	नवी मुंबई महानगरपालिका नवी मुंबई मुख्यालय, मुंबई ज. ०१, विल्ले गांधीनगर, वामनवीच जंक्शन, सेक्टर-१५ए, सीबीडी, बेलपूर, नवी मुंबई ४००६१४. दूरध्वनी क्र. ०२२-२७५६७१३०	NAVI MUMBAI MUNICIPAL CORPORATION NMMC Headquarter, Plot No.01 Near Kille Gaonthan, Palmbeach Junction, Sector 15A, CBD-Belapur, Navi Mumbai 400614 Tel No.022/27567130
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No.NMMC/CE/52-1/2025

Date: 21/02/2025

To.

Divisional Forest Officer

Mumbai Mangrove Conservation Unit,

5th Floor, Abhiman-II, Thane (W)

400602, Mumbai, MH

Subject: Stage - II Compliance for Diversion of 4.0122 ha Reserved Forest and Un-notified Mangrove Forest in favour of Navi Mumbai Municipal Corporation for construction of proposed Ghansoli to Airoli Creek Bridge at Villages - Ghansoli, Talavali and Dive, Taluka - Navi Mumbai, District-Thane in the State of Maharashtra.

Reg: Submission of Compliance to query

Ref: 1)Nodal APCCF Ltr No. Desk-17/FCA/S2/PID-142109/Thane/1509/2023-24
dtd.17/08/2023

Respected Sir,

This is to inform that In-principle Forest Clearance has been accorded by RO-MoEFCC to the subjected project under Section-2 of the Forest (Conservation) Act,1980 vide Letter No. FC-I/MH-260/2022-NGP/10618 dated 22.11.2022. In continuation to the same, User Agency has submitted Compliance Report to the conditions raised in Stage-I Forest Clearance.

In continuation to the same and subsequent to the communication letter by Nodal APCCF, Nagpur vide Reference-1 forwarding queries raised by RO-MoEF vide F.No. FC-I/MH-260/2022-NGP/12024 dtd. 31.07.2023, please find our point-wise compliance comments as under:

Sr.No.	Query	Compliance Reply
1	Stage- I compliance report has not been uploaded in Parivesh portal and forwarded to IRO,Nagpur. Stage- I compliance report shall be uploaded on Parivesh portal and forwarded toIRO, Nagpur for further consideration.	Complied Stage-I Compliance Report has been uploaded on Parivesh Portal and forwarded to IRO, Nagpur. A copy of the same is submitted herewith as Annexure-I

लिपिक 21.02.2025
 विभागीय वन अधिकारी
 कांदळवन विभाग-उत्तर कोकण

Sr.No.	Query	Compliance Reply
2	Details of transfer and mutation of non-forest land to Forest Department in compliance to condition no. iii(b) of Stage- I approval is not submitted along with the compliance report. English translated copy of the same needs to be submitted.	Complied. The non-forest CA land has been transferred and mutated to the Forest Department in compliance to Condition No. iii (b). A copy of the same is submitted as Annexure-II.
3	A copy of bird survey carried out by the User Agency in compliance to condition no. ix of Stage- I approval is not submitted along with the compliance report. The same needs to be submitted.	Complied Bird survey has been carried out by the User Agency in compliance to Condition No. ix, a copy of which is attached as Annexure-III.
4	A copy of CRZ clearance obtained in compliance to condition no. xii of Stage- I approval is not submitted along with the compliance report. The same needs to be submitted.	A copy of CRZ clearance obtained in compliance to Condition no. xii submitted herewith as Annexure-IV.

We humbly request to kindly process the proposal further for early grant of Stage-II Final Forest Clearance by the Competent authority.


Thanking You,

Yours Sincerely,


Shirish Aradwad
City Engineer

Navi Mumbai Municipal Corporation.

Encl: As above (Annexure-I to Annexure-IV)
(05- Sets.)

o/c 

Annexure – I

Government of Maharashtra

By Speed Post

No. FLD- 2022/C.R. 57 /F-10
Revenue and Forest Department,
Mantralaya, Mumbai- 400 032.
Date: 16.06.2023

To,
Regional Officer (Central),
Integrated Regional Office,
Ministry of Environment, Forests & Climate Change,
Government of India,
Ground Floor, East Wing,
New Secretariat Building, Civil Lines,
Nagpur-440 001.

Sub.- Forest Land- Thane

Diversion of 4.0122 ha Forest / un-notified mangrove forest in favour of Navi Mumbai Municipal Corporation for construction of proposed Ghansoli to Airoli Creek Bridge at Villages Ghansoli, Talavali & Dive, in Thane District.

Ref: 1. Your Office Letter No. FC-I/MH-260/2022-NGP/10618, Dt.22.11.2022
2. APCCF & Nodal Officer Letter No. Desk-17/FCA-S2/PID-142109/ Mangrove Cell/769, Dt.09.06.2023

Integrated Regional Office, MoEF&CC, Government of India has accorded In-Principle approval for diversion of 4.0122 ha Forest / un-notified mangrove forest in favour of Navi Mumbai Municipal Corporation for construction of proposed Ghansoli to Airoli Creek Bridge at Villages Ghansoli, Talavali & Dive in Thane District, vide letter under reference no.1.

2. Additional Principal Chief Conservator of Forests & Nodal Officer, Maharashtra State, Nagpur has submitted compliance report to the Government of Maharashtra vide letter under reference no.2, Compliance Report submitted by the APCCF & Nodal Officer is self-explanatory and attached herewith for further necessary action in the matter.



(Ganesh Jadhao)

Under Secretary to
the Government of Maharashtra

Under Secretary
Revenue and Forests Department
Hutatma Rajguru Chowk
Madam Cama Road, Mantralaya
Mumbai 400 032

Encl: As above.

Copy to:

Additional Principal Chief Conservator of Forests and Nodal Officer, Nagpur

OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS (HEAD OF FOREST FORCE), MAHARASHTRA STATE, NAGPUR

ADDITIONAL PRINCIPAL CHIEF CONSERVATOR OF FORESTS AND NODAL OFFICER, MAHARASHTRA STATE, NAGPUR,
First Floor, 'B' Wing, Van Bhavan, Civil Lines, Nagpur-440001.

Tel no. (0712) 2530166, 2556916, Fax no. (0712) 2550675 E-mail- apccfnodal@mahaforest.gov.in

Sub:- Diversion of 4.0122 ha Reserved Forest and Un-notified Mangrove Forest in favour of Navi Mumbai Municipal Corporation for construction of proposed Ghansoli to Airoli Creek Bridge at Villages- Ghansoli, Talavali & Dive, Taluka- Navi Mumbai, District Thane in the State of Maharashtra- regarding.

No. Desk-17/FCA-S2/PFD-142109/Mangrove cell/769
Nagpur - 440 001, Date :- 09/06/2023

To,
Principal Secretary (Forest),
Revenue & Forest Department,
Mantralaya, Mumbai -32

Ref:- 1. Government of India, Ministry of Environment, Forests and Climate Change,
Integrated Regional Office, Nagpur letter No. F.No.FC-I/MH-260/2022-
NGP/10618, dated 22/11/2022

2. The Additional Principal Chief Conservator of forests, Mangrove Cell, Mumbai
vide letter No. Desk-3/Land/370, dated 02/06/2023.

The Government of India, Ministry of Environment, Forests and Climate Change, Integrated Regional Office, Nagpur conveyed the 'in-principle' approval for diversion of 4.0122 ha Reserved Forest and Un-notified Mangrove Forest in favour of Navi Mumbai Municipal Corporation for construction of proposed Ghansoli to Airoli Creek Bridge at Villages- Ghansoli, Talavali & Dive, Taluka- Navi Mumbai, District Thane in the State of Maharashtra. Accordingly, the Additional Principal Chief Conservator of forests, Mangrove Cell, Mumbai vide letter under reference no.2 has submitted compliance of conditions of in-principle approval to this office. The compliance report of the conditions of in-principle approval was furnished vide letter dt.22/11/2022.

Sr. No.	Conditions laid down by Central Government letter dt.22/11/2022	Compliance
i.	Legal status of the forest land shall remain unchanged;	The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No. I).
ii.	Forest land will be handed over only after required non-forest land for raising CA is handed over by the User Agency;	The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No. II).
iii.	Compensatory afforestation	
a.	Compensatory afforestation shall be taken up by the Forest Department over 4.0122 ha non-forest land in Sur. No. 96/21 at Village- Saravali, Taluka- Dahanu, District- Palghar at the cost of the User Agency. As far as possible, a mixture of local indigenous species along with 10% RET species of Palghar District shall be planted and monoculture of any species may be avoided. Atleast one water body shall be constructed in the form of tank/ stop dams etc if the same are not available in the area or in nearby vicinity. Further, if	Compensatory afforestation will be taken up by the Forest Department over 4.0122 ha non-forest land in Sur. No. 96/21 at Village- Saravali, Taluka- Dahanu, District- Palghar. In this regard, the User Agency has deposited an amount of Rs.30,75,576/- towards the cost of Compensatory afforestation. A copy of the same is enclosed herewith as (Annexure No.-II-A).

	existing tanks/ stop dams are available and needs desilting/ repair; same shall be carried out to meet the water requirement of wild animals throughout the year	
b.	The non-forest land proposed for CA shall be transferred and mutated in the name of Forest Department and notified as RF/PF prior to Stage-II approval. A copy of the original notification declaring the non-forest land under Section 4 or Section 29 of the Indian Forest Act, 1927, or under the relevant section of the State Forest Act as the case may be, will be submitted by the State Government prior to Stage-II approval;	The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No. II).
iii.	The cost of compensatory afforestation at the prevailing wage rates as per compensatory afforestation scheme and the cost of survey, demarcation and erection of permanent pillars if required on the CA land shall be deposited in advance with the Forest Department by the project authority. The CA will be maintained for 10 years. The scheme may include appropriate provision for anticipated cost increase for works scheduled for subsequent years;	The User Agency has deposited an amount of Rs.30,75,576/- towards the cost of Compensatory afforestation. A copy of the same is enclosed herewith as (Annexure No.-II-A).
iv.	NPV:	
a.	The State Government shall charge the Net Present Value (NPV) for the 4.0122 ha forest area to be diverted under this proposal from the User Agency as per the orders of the Hon'ble Supreme Court of India dated 30/10/2002, 01/08/2003, 28/03/2008, 24/04/2008 and 09/05/2008 in IA No. 566 in WP (C) No. 202/1995 and as per the guidelines issued by the Ministry vide letters No. 5-1/1998-FC (Pt.II) dated 18/09/2003, letter No. 5-2/2006-FC dated 03/10/2006, letter No. 5-3/2007-FC dated 05/02/2009, letter No. 5-3/2011-FC(Vol-I) dated 06.01.2022 and letter No. 5-3/2011-FC(Vol-I) dated 22.03.2022 in this regard;	The User Agency has deposited an amount of Rs.57,64,207/- towards the cost of Net Present Value. A copy of the same is enclosed herewith as (Annexure No.-II-A).
b.	Additional amount of the NPV of the diverted forest land, if any, becoming due after finalization of the same by the Hon'ble Supreme Court of India on receipt of the report from the Expert Committee, shall be charged by the State Government from the User Agency. The User Agency shall furnish an undertaking to this effect;	The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No. IV).
vi.	User agency shall restrict the felling of trees to minimum number in the diverted forest land and the trees shall be felled	The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No. V).

	under the strict supervision of the State Forest Department and the cost of felling of trees shall be deposited by the User Agency with the State Forest Department;																			
vii.	All the funds received from the user agency under the project shall be transferred/ deposited to CAMPA fund only through e-portal (https://parivesh.nic.in/);	<p>The total amount of Rs.94,65,793/-has been transferred to Ad-hoc Compensatory Afforestation Fund Management and Planning Agency (CAMPA) through e-portal. The details are as below:- (Annexure-II-A).</p> <table><tr><th>Sr. No</th><th>Particulars</th><th>Amount transferred to Ad-hoc CAMPA (Rs.)</th><th>Details of amount transferred</th></tr><tr><td>1</td><td>Cost of towards Compensatory Afforestation</td><td>Rs. 30,75,576/-</td><td rowspan="3">Through online 23/01/2023</td></tr><tr><td>2</td><td>NPV</td><td>Rs. 57,64,207/-</td></tr><tr><td>3</td><td>Cost of Survey Demarcation and permanent pillars</td><td>Rs.6,26,010/-</td></tr><tr><td colspan="2">Total</td><td>Rs.94,65,793/-</td><td></td></tr></table>	Sr. No	Particulars	Amount transferred to Ad-hoc CAMPA (Rs.)	Details of amount transferred	1	Cost of towards Compensatory Afforestation	Rs. 30,75,576/-	Through online 23/01/2023	2	NPV	Rs. 57,64,207/-	3	Cost of Survey Demarcation and permanent pillars	Rs.6,26,010/-	Total		Rs.94,65,793/-	
Sr. No	Particulars	Amount transferred to Ad-hoc CAMPA (Rs.)	Details of amount transferred																	
1	Cost of towards Compensatory Afforestation	Rs. 30,75,576/-	Through online 23/01/2023																	
2	NPV	Rs. 57,64,207/-																		
3	Cost of Survey Demarcation and permanent pillars	Rs.6,26,010/-																		
Total		Rs.94,65,793/-																		
viii.	The State Government, Maharashtra/ Nodal Officer (FCA), Maharashtra shall ensure settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 (No. 2 of 2007) before issuing an order for handing over of forest land to the User Agency as per Rule- 9 (6) (b) (ii) of Forest (Conservation) Rules, 2022 dated 28.06.2022;	The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No. VI).																		
ix.	As per recommendation of PCCF, Wildlife, User Agency shall carry out bird survey at every 6 monthly interval in consultation with APCCF, Mangrove Cell, Mumbai and all recommendation based on the observations made in bird survey shall be implemented by the User Agency or by the State Government at the cost of User Agency. A copy of the bird surveys carried out by the User Agency shall be submitted along with Stage- I compliance report;	The User agency has given an undertaking that they will undertake bird survey before starting and while executing the work. The copy of the same is enclosed herewith as (Annexure No.VII)																		
x.	To improve the Forest/ Tree cover and to reduce pollution in the State, as mandated in National Forest Policy, 1988 and Environmental (Protection) Act, 1986 respectively, the User Agency with involvement of Joint Forest Management Committees (JFMC's) and in consultation with local DCF shall raise at least 5,000 seedlings of forestry species along with bamboo, fruit bearing, medicinal, ornamental and indigenous/local for 10 years. At least 50% of seedlings shall be planted in the vicinity of project area and	The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No. VIII).																		

	remaining 50% of seedlings shall be distributed among villagers as per choice of villagers. The concerned JFMC's shall maintain record of plantation/ seedling distribution to villagers;	
xi.	User Agency shall strictly adhere to the conditions mentioned by Thane Creek Flamingo Sanctuary Eco Sensitive Zone Monitoring Committee meeting held on 05.04.2022 and Maharashtra Coastal Zone Management Authority meeting held on 28.06.2022;	The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No. VIII-A) .
xii.	User Agency shall obtain CRZ clearance before commencement of the project and copy of the same shall be submitted along with Stage- I compliance report;	MCZMA has recommended the proposal. Approval of SEIAA is awaited. The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No. IX) .
xiii.	Speed regulating signage will be erected along the road at regular intervals in the Protected Areas/ Forest Areas;	The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No. X) .
xiv.	The State Government/ User Agency shall take prior permission from Hon'ble High Court for Mangrove cutting before issue of order for diversion of the forest land in accordance with Hon'ble Mumbai High Court order dated 27/1/2010 in PIL 87 of 2006;	The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No. XI) .
xv.	User Agency shall obtain Environmental Clearance as per the provisions of the Environmental (Protection) Act, 1986, if applicable;	The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No. XII) .
xvi.	The layout plan of the proposal shall not be changed without prior approval of Central Government;	The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No. XIII) .
xvii.	No labour camp shall be established on the forest land;	The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No. XIV) .
xviii.	Sufficient firewood, preferably the alternate fuel, shall be provided by the User Agency to the labourer after purchasing the same from the State Forest Department or the Forest Development Corporation or any other legal source of alternate fuel;	The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No. XV) .
xix.	The boundary of the diverted forest land shall be suitably demarcated on ground at the project cost, as per the directions of the concerned Divisional Forest Officer;	The User Agency has deposited an amount of Rs.6,26,010/- towards the cost of survey demarcation. A copy of the same is enclosed herewith as (Annexure No.-II-A & XVI) .
xx.	No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work;	The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No. XVII) .
xxi.	The period of diversion under this approval shall be co-terminus with the period of lease to be granted in favour of	The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No. XVIII) .

	the user agency or the project life, whichever is less;	
xxii.	The forest land shall not be used for any purpose other than that specified in the project proposal;	The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No. XIX).
xxiii.	The forest land proposed to be diverted shall under no circumstances be transferred to any other agencies, department or person without prior approval of Govt. of India;	The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No. XX).
xxiv.	Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as per the MoEF&CC Guideline F. No. 11-42/2017-FC dt 29/01/2018;	The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No. XXI).
xxv.	Any other condition that the Ministry of Environment, Forests & Climate Change may stipulate from time to time in the interest of conservation, protection and development of forests & wildlife;	The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No. XXII).
xxvi.	The compliance report shall be uploaded on e-portal (https://parivesh.nic.in/);	The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No. XXIII).

In view of the above facts, it is requested to process the proposals to MoEF&CC for approval under section – 2 of the Forest (Conservation) Act, 1980.

Enclose : As above

(Signature)
26/23

(Naresh Zurmure)

Additional Principal Chief Conservator of Forests
& Nodal Officer

Copy to the Additional Principal Chief Conservator of forests, Mangrove Cell, Mumbai for information.

Copy to the Divisional Forest Officer Mumbai, Mangrove Conservation Unit for information.

Copy to the City Engineer, Navi Mumbai Municipal Corporation, NMMC Headquarter, Plot No.01, Near Kille Gaonthan, Plambeach Junction, Sector-15A, CBD Belapur, Navi Mumbai-400614 for information.



Office of the Additional Principal Chief Conservator of Forests, Mangrove Cell, Mumbai
302, Wakefield House, 3rd Floor, Ballard Estate, Above Britannia & Co. Restaurant,
Fort, Mumbai-400 001.
Ph: 022-2694984 / 85, Email: ccfmmumbai@gmail.com / dcfmangrovecell@gmail.com.

Letter

O.No. Desk-3/Land/ 370 /2023-24.

Fort, Mumbai. Date: 2 / 6 /2023.

To,

Additional Principal Chief Conservator of Forest & Nodal Officer,
Maharashtra State,
Nagpur- 440001.

Sub. :- Diversion of 4.0122 ha. of Reserved Forest land and Un-notified Mangrove Forest for construction of the proposed Ghansoli to Airoli Creek Bridge at Ghansoli, Navi Mumbai, District Thane in the State of Maharashtra.

Ref. :- 1) MoEF&CC Office letter No. FC-I/MH-260/2022-NGP/10618, Date 22/11/2022.
2) City Engineer, Navi Mumbai Municipal Corporation letter No. NMMC/CE/665, Dated 07/02/2023.
3) City Engineer, Navi Mumbai Municipal Corporation letter No. NMMC/CE/1442, Dated 14/03/2023.
4) City Engineer, Navi Mumbai Municipal Corporation letter No. NMMC/CE/1967, Dated 17/04/2023.
5) Divisional Forest Officer, Mumbai Mangrove Conservation Unit office letter No. Desk-9/Land/355, Dated 10/05/2023.

The Central Government vide reference No. 01 has given 'in-principle' approval under section-2 of the Forest (Conservation) Act, 1980 for Diversion of 4.0122 ha. of Reserved Forest Land and Un-notified Mangrove Forest for construction of the proposed Ghansoli to Airoli Creek Bridge at Ghansoli, Navi Mumbai, District Thane in the State of Maharashtra subject to fulfilling certain conditions. City Engineer has submitted the compliance of the same to Divisional Forest Officer, Mumbai Mangrove Conservation Unit office vide reference No. 02 to 04. Vide reference No.05, Divisional Forest Officer, Mumbai Mangrove Conservation Unit office has submitted Stage- I Compliance report to this office (Copy attached).

Additional Principal Chief Conservator of Forest, Mangrove Cell, Mumbai agrees with the Stage- I Compliance report of Divisional Forest Officer, Mumbai Mangrove Conservation Unit and is being forwarded to your office to move this proposal to Central Government for further approval.

Enclosed: As above.

S. V. Ramarao
(S. V. Ramarao)

Additional Principal Chief Conservator of Forests,
Mangrove Cell, Mumbai

Copy to : Divisional Forest Officer, Mumbai Mangrove Conservation Unit office for information & necessary action.

Copy to : City Engineer, Navi Mumbai Municipal Corporation, NMMC Headquarter, Plot No.01, Near Kille Gaonthan, Plambeach Junction, Sector- 15A, CBD Belapur, Navi Mumbai 400614 for information & necessary action.



दूरध्वनी: 022-25220097
Email: dfo@moef.gov.in



महाराष्ट्र शासन
वनविभाग

विभागीय वन अधिकारी, मुंबई कांदळवन संवर्धन घटक
सावे कार्यालय

ब-२८, कामगार नगर, रिजर्वेशन स्टेशन कांदळ, मुंबई ४०००२४

O No. desk-9/land/355/2023-24

Date: 05/05/2023

To, ☒
Additional Principal Chief Conservator of Forest,
Mangrove Cell, Mumbai.

Sub:- Diversion of 4.0122 ha. Of Reserved Forest land and Un - notified Mangrove Forest for construction of the proposed Ghansoli to Airoli Creek Bridge at Ghansoli, Navi Mumbai, District Thane in the State of Maharashtra.

- Ref: 1) MOEF & CC letter No. FC-I/MH-260/2022-NGP/10618 Dtd. 22/11/2022.
2) City Engineer, Navi Mumbai Municipal Corporation letter No. NMMC/CE/665, Dtd.07/02/2023.
3) City Engineer, Navi Mumbai Municipal Corporation letter No. NMMC/CE/1442, Dtd.14/03/2023.
4) City Engineer, Navi Mumbai Municipal Corporation letter No. NMMC/CE/1967, Dtd.17/04/2023.

Sir,

The Central Government vide reference letter 1 has given 'in-principle' approval under Section - 2 of the Forest (Conservation) Act, 1980 for Diversion of 4.0122 ha. Of Reserved Forest land and Un - notified Mangrove Forest for construction of the proposed Ghansoli to Airoli Creek Bridge at Ghansoli, Navi Mumbai, District Thane in the State of Maharashtra, subject to fulfilling certain conditions. City Engineer has submitted the compliance of the same to this office vide reference no.2 to 4. We hereby submit the point wise compliance of the same as follows:

Sr.No.	Shortfalls	Compliance
i	Legal status of the land shall remain unchanged	Undertaking enclosed as Annexure - I
ii	Forest land will be handed over only after required non-forest land for raising CA is handed over by the User Agency;	Undertaking attached as Annexure-II
iii	Compensatory afforestation a) Compensatory afforestation shall be taken up by the Forest Department over 4.0122 ha non-forest land in Sur. No. 96/21 at Village- Saravali, Taluka- Dahanu, District- Palghar at the cost of the User Agency. As far as possible, a mixture of local indigenous species along with 10% RET species of Palghar District shall be planted and monoculture of any species may be avoided. At least one water body shall be constructed in the form of tank/ stop dams etc' if the same are not available in the area or in nearby vicinity. Further, if existing tanks/ stop dams are available and needs desilting/ repair, same shall be carried out to meet the water requirement of wild animals throughout the year; b) The non-forest land proposed for CA shall be transferred and mutated in the name of Forest Department and notified as RF/PF prior to Stage-	User agency has deposited Rs. 30,75,576/- (Rs. Thirty Lakhs Seventy Five Thousand Five Hundred Seventy Six only) for Compensatory Afforestation over non forest land. Details enclosed as Annexure- II A Undertaking attached as Annexure -III

अपर प्रधान मुख्य वनसंरक्षक, कांदळवन कक्ष मुंबई

आवक क्र: 520 दिनांक: 12 2 MAY 2023

महाराष्ट्रीय वनविभाग

अपर प्रधान मुख्य वनसंरक्षक

LAMP
FCA

	<p>II approval. A copy of the original notification declaring the non-forest land under Section 4 or Section 29 of the Indian Forest Act, 1927, or under the relevant section of the State Forest Act as the case may be, will be submitted by the State Government prior to Stage-II approval;</p>	
iv	<p>The cost of compensatory afforestation at the prevailing wage rates as per compensatory afforestation scheme and the cost of survey, demarcation and erection of permanent pillars if required on the CA land shall be deposited in advance with the Forest Department by the project authority. The CA will be maintained for 10 years. The scheme may include appropriate provision for anticipated cost increase for works scheduled for subsequent years;</p>	<p>The user agency has deposited Rs. 30,75,576/- (Rs. Thirty Lakhs Seventy Five Thousand Five Hundred and Seventy-Six only) towards cost of Compensatory Afforestation. Details are attached as Annexure- II A</p>
v	<p>NPV:- a) The State Government shall charge the Net Present Value (NPV) for the 4.0122 ha forest area to be diverted under this proposal from the User Agency as per the orders of the Hon'ble Supreme Court of India dated 30/10/2002, 01/08/2003, 28/03/2008, 24/04/2008 and 09/05/2008 in 1A No. 566 in WP (C) No. 202/1995 and as per the guidelines issued by the Ministry vide letters No. 5-1/1998-FC (Pt.II) dated 18/09/2003, letter No. 5-2/2006-FC dated 03/10/2006, letter No. 5-3/2007-FC dated 05/02/2009, letter No. 5-3/2011-FC(Vol-I) dated 06.01.2022 and letter No. 5-3/2011-FC(Vol-I) dated 22.03.2022 in this regard; b) Additional amount of the NPV of the diverted forest land, if any, becoming due after finalization of the same by the Hon'ble Supreme Court of India on receipt of the report from the Expert Committee, shall be charged by the State Government from the User Agency. The User Agency shall furnish an undertaking to this effect;</p>	<p>The User agency has deposited NPV for 4.0122 ha. forest area to be diverted for an amount of Rs. 57,64,207/- (Rs. Fifty Seven Lakhs Sixty Four Thousand Two Hundred and Seven only.) Details attached as Annexure - II A.</p> <p>Undertaking attached as Annexure- IV.</p>
vi	<p>User agency shall restrict the felling of trees to minimum number in the diverted forest land and the trees shall be felled under the strict supervision of the State Forest Department and the cost of felling of trees shall be deposited by the User Agency with the State Forest Department;</p>	<p>Undertaking attached as Annexure- V.</p>
vii	<p>All the funds received from the user agency under the project shall be transferred/ deposited to CAMPA fund only through e-portal (https://parivesh.nic.in);</p>	<p>User agency has deposited funds to Campa fund through e-portal. Details attached as Annexure - II A</p>
viii	<p>The State Government, Maharashtra/ Nodal Officer (FCA), Maharashtra shall ensure settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 (No. 2 of 2007) before issuing an order for handing over of forest land to the User Agency as per Rule- 9 (6) (b) (ii) of Forest (Conservation) Rules, 2022 dated 28.06.2022;</p>	<p>Undertaking attached as Annexure- VI.</p>

ix	As per recommendation of PCCF, Wildlife, User Agency shall carry out bird survey at every 6 monthly interval in consultation with APCCF, Mangrove Cell, Mumbai and all recommendation based on the observations made in bird survey shall be implemented by the User Agency or by the State Government at the cost of User Agency. A copy of the bird surveys carried out by the User Agency shall be submitted along with Stage- I compliance report;	The user agency has given an undertaking that they will undertake bird survey before starting and while executing the work. Undertaking attached as Annexure- VII
x	To improve the Forest/ Tree cover and to reduce pollution in the State, as mandated in National Forest Policy, 1988 and Environmental (Protection) Act, 1986 respectively, the User Agency with involvement of Joint Forest Management Committees (JFMC's) and in consultation with local DCF shall raise at least 5,000 seedlings of forestry species along with bamboo, fruit bearing, medicinal, ornamental and indigenous/local for 10 years. At least 50% of seedlings shall be planted in the vicinity of project area and remaining 50% of seedlings shall be distributed among villagers as per choice of villagers. The concerned JFMC's shall maintain record of plantation/ seedling distribution to villagers;	Undertaking attached as Annexure- VIII
xi	User Agency shall strictly adhere to the conditions mentioned by Thane Creek Flamingo Sanctuary Eco Sensitive Zone Monitoring Committee meeting held on 05.04.2022 and Maharashtra Coastal Zone Management Authority meeting held on 28.06.2022;	Undertaking attached as Annexure- VIII A
xii	User Agency shall obtain CRZ clearance before commencement of the project and copy of the same shall be submitted along with Stage- I compliance report;	MCZMA has recommended the proposal. Approval of SEIAA is awaited. Undertaking attach as Annexure- IX.
xiii	Speed regulating signage will be erected along the road at regular intervals in the Protected Areas/Forest Areas;	Undertaking attached as Annexure- - X
xiv	The State Government/ User Agency shall take prior permission from Hon'ble High Court for Mangrove cutting before issue of order for diversion of the forest land in accordance with Hon'ble Mumbai High Court order dated 27/1/2010 in PIL 87 of 2006;	Undertaking attached as Annexure- - XI
xv	User Agency shall obtain Environmental Clearance as per the provisions of the Environmental (Protection) Act, 1986, if applicable,	Undertaking attached as Annexure- XII
xvi	The layout plan of the proposal shall not be changed without prior approval of Central Government;	Undertaking attached as Annexure- XIII.
xvii	No labour camp shall be established on the forest land;	Undertaking attached as Annexure- XIV.
xviii	Sufficient firewood, preferably the alternate fuel, shall be provided by the User Agency to the labourer after purchasing the same from the State Forest Department or the Forest Development Corporation or any other legal source of alternate fuel;	Undertaking attached as Annexure- XV.

xix	The boundary of the diverted forest land shall be suitably demarcated on ground at the project cost, as per the directions of the concerned Divisional Forest Officer.	User agency has deposited Rs. 6,26,010/- (Six Lakhs Twenty Six Thousand Ten Only) for demarcation of forest land to be diverted. Undertaking attached as Annexure- XVI
xx	No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work;	Undertaking attached as Annexure- XVII
xxi	The period of diversion under this approval shall be co-terminus with the period of lease to be granted in favour of the user agency or the project life, whichever is less;	Undertaking attached as Annexure- XVIII
xxii	The forest land shall not be used for any purpose other than that specified in the project proposal;	Undertaking attached as Annexure- XIX
xxiii	The forest land proposed to be diverted shall under no circumstances be transferred to any other agencies, department or person without prior approval of Govt. of India;	Undertaking attached as Annexure- XX
xxiv	Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1960 and action would be taken as per the MoEF&CC Guideline F. No. 11-42/2017-FC dt.29/01/2018;	Undertaking attached as Annexure- XXI
xxv	Any other condition that the Ministry of Environment, Forests & Climate Change may stipulate from time to time in the interest of conservation, protection and development of forests & wildlife;	Undertaking attached as Annexure- XXII
xxvi	The compliance report shall be uploaded on e-portal (https://parivesh.nic.in);	Undertaking attached as Annexure- XXIII

Enclosed: 4 sets


 (Adarsh Reddy)
 Divisional Forest Officer,
 Mumbai Mangrove Conservation Unit.

Copy to: City Engineer, Navi Mumbai Municipal Corporation, for information.

Enclosure: 2**Annexure: I****UNDERTAKING**

w.r.t.

Condition no (i) - Legal status of the diverted forest land shall remain unchanged.

This is to state that, Navi Mumbai Municipal Corporation (NMMC), who is the Project Proponent, hereby undertake that, "The Legal Status of Forest Land to be diverted for the for construction of Ghansoli to Airoli Creek Bridge at Villages – Ghansoli, Talavali and Dive, Taluka – Navi Mumbai, District – Thane in the State of Maharashtra," shall be remain unchanged.

Date: 14/03/2023

Place: Navi Mumbai

Sanjay Desai
City Engineer

Navi Mumbai Municipal Corporation

UNDERTAKING

w.r.t

Condition no (ii) - Forest land will be handed over only after required non-forest land forraising CA is handed over by the User agency.

This is to state that, Navi Mumbai Municipal Corporation (NMMC), who is the Project Proponent, hereby agreed that, "Forest land will be handed over only after required non-forest land forraising CA is handed over by the User agency."

Date: 07/02/2023

Place: Navi Mumbai




Santay Desai
City Engineer

Navi Mumbai Municipal Corporation


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Annexure: IV: Condition no (v-a)

Copy of demand note



फ़ोन: 022-25220097
Email: dfommcu@gmail.com



सर्वोच्च न्यायालय
भारत

विशेष न्यायाधीश, मुंबई नगरपालिका क्षेत्रात विकासात्मक विकास कार्य
क-१८, बागमल पार्क, विधानमंडल परिसर, मुंबई (एच), पोस्ट ४०००२४

c/481

O No. desk-9/land/2824 /2022-23 Date: 30/12/2022

To, ☒ The City Engineer,
New Mumbai Municipal Corporation.

Subject: Diversion of 4.0122 ha. Reserved Forest land and Unnotified Mangrove Forest for Construction of the proposed Ghansoli to Airoli Creek Bridge at Ghansoli, Navi Mumbai, District Thane in the State of Maharashtra (FP/MH/ROAD/142109/2021)

Ref- 1. MoEF & CC Letter No. FC-1/MH-260/2022-NGP/10618 Dtd.22/11/2022.
2. City Engineer, Navi Mumbai letter No.8565 Dtd.30/11/2022.
3. Dy. Conservator of Dahahu Letter No. B/20/Land/3327 Dt.29/12/2022

ha.1
Vide above referred letter the Central Government has given 'in-principle' approval under Section - 2 of the Forest (Conservation) Act, 1980 for Diversion of 4.0122 ha. of Reserved Forest land and Unnotified Mangrove Forest for Construction of the proposed Ghansoli to Airoli Creek Bridge at Ghansoli, Navi Mumbai, District Thane in the State of Maharashtra. Subject to fulfilling certain conditions.

With regards to condition iii(a), iv, v(a), vi and xix the user agency is directed to submit compliance as follows:-

Condition	Compliance
All the funds receive from the User agency shall be transferred to Ad-hoc CAMPAs through F-challan.	User agency is required to pay the following amount in Ad-hoc CAMPAs through F-challan. A) Cost of compensatory Afforestation Scheme at the prevailing wage rate at the time of plantation and maintenance for 10 years amounting to Rs.30,75,576/- (Thirty Lakhs Seventy Five Thousand Five Hundred and Seventy Six Rupees only) B) User agency is required to pay Net Present Value for 4.0122 ha. of mangrove forest land to be diverted amounting to Rs. 57,64,207/- (Fifty Seven Lakhs Sixty Four Thousand Two Hundred and Seven Rupees only). C) User agency is required to pay the cost of survey, demarcation and erection of Permanent Pillars for Diverted Forest Area amounting to Rs. 6,26,010/- (Six lakhs Twenty Six Thousand and Ten only)
(V) Cost of tree felling.	User agency should deposit Tree Felling cost of Rs- 9,75,688/- (Nine Lakhs Seventy Five Thousand Six Hundred and Eighty Eight Rupees only) in the following bank account of Divisional Forest Officer, Mumbai Mangrove Conservation Unit through RTGS/ NEFT. The details of the account are as follows: Name of Bank- State Bank of India. Address of Bank Branch - Chembur Mumbai. Account Name- DIVISIONAL FOREST OFFICER MANGROVE CAMPAs Account No- 39175612041. IFSC Code- SBIN0026488.


In Condition iii(a) it is mentioned that 'At least one water body shall be constructed in the form of tank/stop dam etc if the same are not available in the area or in nearby vicinity. Further if existing tanks / stop dams are available and needs desilting / repair same shall be carried out to meet the water requirement of wild animals throughout the year.' The amount to be deposited for the same will be communicated of the earliest.

User agency is also required to submit the compliance report along with necessary undertaking regarding conditions as mentioned in the "In Principle" order. This is submitted for information and necessary action.

(Signature)
(Adarsh Reddy)
Divisional Forest Officer
Mumbai Mangrove Conservation Unit

Copy to - Additional Principal Chief Conservator of Forests, Mangrove Cell Mumbai for information.
Copy to - Chief Conservator of Forest (T.) Thane for information.
Copy to - Dy. Conservator of Forest Dahahu Division for information.

Scanned with CamScanner



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Invoice copy of the amount levied by the Forest Department

RTGS CHALLAN

https://forestsclearance.nic.in/useraccount/Neft_Challan

AGENCY COPY



NEFT / RTGS CHALLAN for CAMPA Funds

Date : 20-01-2023

Agency Name.	NAVI MUMBAI MUNICIPAL CORPORATION (NMMC)
Application No.	61142109658
MoEF/SG File No.	FC-VMH-260/2022-NGP
Location.	MAHARASHTRA
Address.	Navi Mumbai Municipal Corporation Head office, Plot No 1 and 2, Near kille Gaothan, Palm Beach Junction, Sector 15A Thane
Amount(in Rs)	9465793/-

Amount in Words :Ninety-Four Lakh Sixty-Five Thousand Seven Hundred and Ninety-Three Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	MAHARASHTRA CAMPA
IFSC Code:	UBIN096335
Pay to Account No.	1507861142109658 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India FCS Centre, 21/1, II Floor, Jellita Towers, Mission Road, Bengaluru-560027

* This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only

BANK COPY



NEFT / RTGS CHALLAN for CAMPA Funds

Date : 20-01-2023

Agency Name.	NAVI MUMBAI MUNICIPAL CORPORATION (NMMC)
Application No.	61142109658
MoEF/SG File No.	FC-VMH-260/2022-NGP
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Bank Name & Address:	Union Bank Of India FCS Centre, 21/1, II Floor, Jellita Towers, Mission Road, Bengaluru-560027

* This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only

Note:After making the required payment through challan, if the payment status has not been updated even after 7 working days, then kindly mail a copy of your challan with transaction date and reference Id to Email: fcblr@unionbankofindia.bank, spurse@unionbankofindia.bank, ubin0903710@unionbankofindia.bank

Print

Back



Receipt of payment done by user agency

Navi Mumbai Municipal Corporation
Cheque Despatched Register

Print Date : 24/01/2023

Page No : 1

User ID : vidya

Voucher No. Deptt Bill No.	Account Name	Trn Date	Cash/ Chq. Date	Chq. Number	Favouring	Status	Amount
<u>HQ AXIS Power Access 916020025258290</u>							
	Construction of Bridges/Flyovers CE/5539 219009	20/01/2023	23/01/2023	AXISGN001170219	MAHARASHTRA CAMPA	Approved	9455793.00
	Construction of Bridges/Flyovers CE/5540 219010	20/01/2023	23/01/2023	AXISGN001170220	DIVISIONAL FOREST OFFICER MANGROVE CAMPA	Approved	975688.00

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UNDERTAKING

w.r.t

Condition no (iii - b) - The non-forest land proposed for CA shall be transferred and mutated in the name of Forest Department and notified as RF/PF prior to Stage-II approval. A copy of the original notification declaring the non-forest land under Section 4 or Section 29 of the Indian Forest Act, 1927, or under the relevant section of the State Forest Act as the case may be, will be submitted by the State Government prior to Stage-II approval.

This is to state that, Navi Mumbai Municipal Corporation (NMMC), who is the Project Proponent, hereby agreed that, "The non-forest land proposed for CA shall be transferred and mutated in the name of Forest Department and notified as RF/PF prior to Stage-II approval. A copy of the original notification declaring the non-forest land under Section 4 or Section 29 of the Indian Forest Act, 1927, or under the relevant section of the State Forest Act as the case may be, will be submitted by the State Government prior to Stage-II approval".

Date: 07 / 02 / 2023

Place: Navi Mumbai



Sanjay Desai
City Engineer

Navi Mumbai Municipal Corporation

Annexure:IV

UNDERTAKING

w.r.t.

Condition no (v-b)


b. Additional amount of the NPV of the diverted forest land, if any, becoming due after finalization of the same by the Hon'ble Supreme Court of India on receipt of the report from the Expert Committee, shall be charged by the State Government from the User Agency. The User Agency shall furnish an undertaking to this effect.

This is to state that, Navi Mumbai Municipal Corporation (NMMC), who is the Project Proponent, hereby undertake that "The cost of NPV and Additional amount of the NPV of the diverted forest land, if any, becoming due after finalization of the same by the Hon'ble Supreme Court of India on receipt of the report from the Expert Committee, shall be charged by the State Government. However, the project proponent is ready to pay NPV cost and Additional amount of the NPV."

Date: 14 / 03 / 2023

Place: Navi Mumbai




Sanjay Desai
City Engineer

Navi Mumbai Municipal Corporation

Annexure: V

UNDERTAKING

w.r.t.

Condition no (vi) - User agency shall restrict the felling of trees to minimum number in the diverted forest land and the trees shall be felled under the strict supervision of the State Forest Department and the cost of felling of trees shall be deposited by the User Agency with the State Forest Department.

This is to state that, Navi Mumbai Municipal Corporation (NMMC), who is the Project Proponent, hereby undertake that, "During the construction of bridge we restrict the felling of trees to minimum number in the diverted forest land and the trees shall be felled under the strict supervision of the State Forest Department and the cost of felling of trees shall be deposited by the User Agency with the State Forest Department."

Date: 14 / 03 / 2023

Place: Navi Mumbai




Sanjay Desai
City Engineer

Navi Mumbai Municipal Corporation

UNDERTAKING

w.r.t

Condition no (viii) - The State Government, Maharashtra Nodal Officer (FCA), Maharashtra shall ensure settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act 2006 (No.2 of 2007) before issuing an order for handing over of forest land to the User Agency as per Rule- 9 (6) (b) (ii) of Forest (Conservation) Rules, 2022 dated 28.06.2022.

This is to state that, Navi Mumbai Municipal Corporation (NMMC), who is the Project Proponent, hereby agreed that, "The State Government, Maharashtra Nodal Officer (FCA), Maharashtra shall ensure settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act 2006 (No.2 of 2007) before issuing an order for handing over of forest land to the User Agency as per Rule- 9 (6) (b) (ii) of Forest (Conservation) Rules, 2022 dated 28.06.2022".

Date: 07/02/2023

Place: Navi Mumbai



Sanjay Desai
City Engineer

Navi Mumbai Municipal Corporation

Annexure: VII

UNDERTAKING

w.r.t

Condition no (ix) - As per recommendation of PCCF, Wildlife, User Agency shall carry out bird survey at every 8 monthly intervals in consultation with APCCF, Mangrove Cell, Mumbai and all recommendation based on the observations made in bird survey shall be implemented by the User Agency or by the State Government at the cost of User Agency. A copy of the bird surveys carried out by the User Agency shall be submitted along with Stage-I compliance report:

This is to state that, Navi Mumbai Municipal Corporation (NMMC), who is the Project Proponent, undertakes that, after getting the permission from Honorable High Court and working permission from the Forest department, The project proponent will conduct the tender procedure to appoint the contractor for the construction for the subject project. In the same tender the bird survey before starting the work and while executing the work will be incorporated. The bird survey will be done as per the direction of Honorable DFO mangrove cell, Kurla Mumbai.

Date: 17/04/2023

Place: Navi Mumbai

Sangay Desai
City Engineer

Navi Mumbai Municipal Corporation



Annexure: VII**UNDERTAKING**


w.r.t.

Condition no (x) - To improve the Forest/ Tree cover and to reduce pollution in the State, as mandated in National Forest Policy, 1988 and Environmental (Protection) Act, 1986 respectively, the User Agency with involvement of Joint Forest Management Committees (JFMC's) and in consultation with local DCF shall raise at least 5,000 seedlings of forestry species along with bamboo, fruit bearing, medicinal, ornamental, and indigenous/local for 10 years. At least 50% of seedlings shall be planted in the vicinity of project area and remaining 50% of seedlings shall be distributed among villagers as per choice of villagers. The concerned JFMC's shall maintain record of plantation/ seedling distribution to villagers.

This is to state that, Navi Mumbai Municipal Corporation (NMMC), who is the Project Proponent, hereby undertake that, "The user Agency with involvement of Joint Forest Management Committees (JFMC's) and in consultation with local DCF shall raise at least 5,000 seedlings of forestry species along with bamboo, fruit bearing, medicinal, ornamental and indigenous/local for 10 years. At least 50% of seedlings shall be planted in the vicinity of project area and remaining 50% of seedlings shall be distributed among villagers as per choice of villagers".

Date: 14 / 03 / 2023

Place: Navi Mumbai


Sanjay Desai
City Engineer

Navi Mumbai Municipal Corporation

Annexure- VIII A

UNDERTAKING


w.r.t

Condition no (xi) - User Agency shall strictly adhere to the conditions mentioned by Creek Flamingo Sanctuary Eco Sensitive Zone Monitoring Committee meeting held on 05.04.2022 and Maharashtra Coastal Zone Management Authority meeting held on 28.06.2022;

This is to state that, Navi Mumbai Municipal Corporation (NMMC), who is the Project Proponent, hereby agreed that, "User Agency shall strictly adhere to the conditions mentioned by Creek Flamingo Sanctuary Eco Sensitive Zone Monitoring Committee meeting held on 05.04.2022 and Maharashtra Coastal Zone Management Authority meeting held on 28.06.2022."

Date: 17/04/2023

Place: Navi Mumbai


Sanjay Desai
City Engineer

Navi Mumbai Municipal Corporation




Annexure: IX**Undertaking for submission of CRZ clearance**

This is to state that, Navi Mumbai Municipal Corporation (NMMC), who is the Project Proponent, hereby undertake that," Project proponent has obtained recommendation from MCZMA. After that, Project proponent applied to SEIAA for obtaining CRZ clearance. The appraisal by SEIAA is awaited. The CRZ clearance received from SEIAA will be submitted to the forest department"

Date: 07/02/2022

Place: Navi Mumbai




Sanjay Desai
City Engineer

Navi Mumbai Municipal Corporation

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Enclosure: III

Annexure: I The proposal recommended to SEIAA, as per MoM of the 159th MCZMA meeting dated 28th June 2022.

Minutes of the 159th (Day 4) meeting of Maharashtra Coastal Zone Management Authority (MCZMA) held on 28th June, 2022

All concern local bodies of coastal districts while submitting the proposals shall take into consideration the following guidelines:

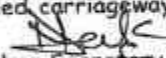
Guidelines:

- 1) Proposals wherein there is pure renovation /repair / minor addition & alteration of existing authorized structure which has necessary approvals from all competent authorities or existing old authorized structures existing prior to 19.02.1991, without increase in FSI, then local body can take decision as per MCZMA circular no. MCZMA/2017/CR 28/TC 4 dated 27.04.2017. No need of MCZMA recommendation for such miscellaneous proposals.
- 2) Proposals wherein new construction on vacant plot OR reconstruction of existing authorized structure is done without prior approval from the competent Authority such cases, will require examination as per Office Memorandum (OM) dated 19th Feb, 2021 issued by MoEF, New Delhi. However, applicability of said OM issued by MoEF, New Delhi is subject to outcome of ongoing High Court matter wherein said OM is challenged and currently stayed.
- 3) The para 6(d) of the CRZ Notification, 2011 stipulates the provision of regularization of dwelling units of the traditional coastal communities including fisherfolk, tribals as were permissible under the provisions of the CRZ notification, 1991, but which have not obtained formal approval from concerned authorities under the aforesaid notification, subject to certain conditions stipulated therein.
- 4) Proposals wherein construction on vacant land or reconstruction of existing authorized structure is proposed, such matters will be examined as per current applicable CRZ Notification, 2011 and approved CZMP, 2011 thereunder. Once the CRZ Notification, 2019 come into effect, the proposals would be examined as per provisions of the CRZ Notification, 2019.

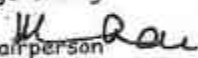
The Authority opined that the above guidelines to be communicated to local bodies of all 7 coastal districts.

Item No. 41: Proposed development of RCC Bridge from Ghansoli to Airoli by Navi Mumbai Municipal Corporation (NMMC).

The Authority noted that the proposal is for development of RCC Bridge from Ghansoli to Airoli by Navi Mumbai Municipal Corporation (NMMC). It involves construction of segmental bridge over length of 3.05 km with 6 lane divided carriageway. It further merges into proposed four Lane Bridge ending


Member Secretary

Page 39 of 43


Chairperson



**Minutes of the 159th (Day 4) meeting of Maharashtra Coastal Zone
Management Authority (MCZMA) held on 28th June, 2022**

at chainage 3+050 connecting existing road near sector 14 of Airoli. The road on embankment continues into 6 lane bridge and ends at chainage 2+850 connecting Mulund-Airoli bridge with required interchanges. The project involves construction of bridge in mangrove area along east bank of Thane creek over length of 1.05 km.

As per approved CZMP, the project falls in CRZ -I (A) & II areas. The project involves construction of bridge in mangrove area along east bank of Thane creek over length of 1.05 km. As per approved CZMP, the project falls in CRZ -I (A) & II areas. The PP has submitted the Rapid EIA / EMP for the project. The PP presented that appropriate measure are planned in order to minimize the impact of the project on marine ecology, mangrove and flamingos in the airoli creek.

The proposal was earlier deliberated in 152nd, 154th and 158th meeting of MCZMA held on 16.02.2021, 15.04.2021 and 25.5.2022 respectively.

As per the decision of the MCZMA in the said meetings, reports were received from the NMMC and Mangroves Cell.

1) NMMC Report:-

The NMMC vide letter dated 17.2.2021 submitted its report. The report states as follows:

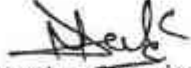
Temporary impact: The total 15 m of ROW will be required for construction purpose. Mangroves under this are will be affected temporarily. Permanent Impact: There will be 25 nos of piers for which the mangrove will be affected permanently.

	Mangrove area (Sqm)	Nos of mangrove
Temporary impact	10,125	2640
Permanent Impact	2025	810
Total	12150	3540

- a) The embankment was a part of CIDCO development for sector 10A of Airoli or peripheral road. It is understood that this was done 20 years back.

2) Mangrove Cell Report:

The Mangrove cell vide letter dated 26.03.2021 submitted its report. As per the report, the site visit was done at proposed site on 08.03.2021 & following observation was made during the site visit.


Member Secretary


Chairperson



Minutes of the 159th (Day 4) meeting of Maharashtra Coastal Zone Management Authority (MCZMA) held on 28th June, 2022

- 1) The proposed bridge is constructed from Ghansoli sector 14 to sector 10 A and the GPS regarding are.
 - 19 07 32.63N 72 59 20.88E (Ghansoli)
 - 19 09 3.16N 72 59 11.93E (Airoli)
- 2) The proposed bridge is passing through Reserve Forest (Mangrove) villages Dive survey no. 150A, Talvali survey no. 195, Navi Mumbai survey no. 184 and Ghansoli survey no. 109. Approximately 4ha. forest area will be affected due to the proposed project.
 - Total number of mangroves affected will be approximately 5,500 to 6000 trees which fall in the alignment of the proposed bridge. However, approximately 1000 mangroves will be cut for the purpose of construction of piers (25 numbers).
 - Part of bridge and embankment is passing through 50m buffer zone of Reserve mangrove forest (Dive village S. N. 150A)
 - As the proposed project is an important public infra project to improve connectivity in Navi Mumbai region, it is recommended by the mangrove cell on the condition that PP has to obtain necessary permission under FCA 1980 and also from the Hon'ble High Court.

The Authority in the earlier meetings noted that as per the report of the mangrove cell, total number of mangroves affected will be approximately 5,500 to 6000 trees which fall in the alignment of the proposed bridge. However, approximately 1000 mangroves will be cut for the purpose of construction of piers. Taking into the order dated 18th Sep, 2018 in PIL 87/2006 by Hon'ble High Court, which bars the construction in mangroves area except in public interest project, the Authority after deliberation decided that NMMC need to submit the explicit note on the public interest involved in the project to the MCZMA. Accordingly, the matter was deferred for the want of above said information from the NMMC. Accordingly, the NMMC vide letter dated 15.04.2021 submitted a note. Further, following the decision of the MCZMA in its 158th meeting, the NMMC vide letter dated 13.6.2022 submitted the mangrove plantation plan.

The Authority discussed that the PP should make active efforts to minimize impact on mangroves in order to have lesser temporary loss of mangroves during construction phase of the activity. Mangroves cutting should be restricted to bare minimum. Spacing between pillars of bridge should be designed in such a way that it will have minimum footprint in the mangroves area. Adequate Culverts/ channels should be provided at appropriate locations while constructing approach road so as to ensure the free movement of the tidal water in the mangrove vegetation.

[Signature]
Member Secretary

Page 41 of 43

[Signature]
Chairperson



**Minutes of the 159th (Day 4) meeting of Maharashtra Coastal Zone
Management Authority (MCZMA) held on 28th June, 2022**

The Authority noted that as per para 8.I. CRZ I (ii) (g) of the CRZ Notification, 2011, construction of roads on stilts or pillars without affecting the tidal flow of water is a permissible activity.

Further, as per amended CRZ Notification dated 28th November, 2014 published by MoEF, For the projects specified under 4(i)(except with respect to item (d) thereof relating to building projects with less than 20,000 sqm of built up area) and for the projects not attracting EIA Notification, 2006, clearance from SEIAA is required based on the recommendation from MCZMA.

In the light of above, the Authority after detailed discussion and deliberation decided to recommend the proposal to SEIAA subject to strict compliance of following conditions:

1. The proposed Ghansoli to Airoli Bridge should be carried out strictly as per the provisions of CRZ Notification, 2011 as amended from time to time and with a commitment of protection and conservation of coastal environment.
2. PP should strictly ensure that mangroves cutting should be restricted to bare minimum. Spacing between pillars of bridge should be designed in such a way that it will have minimum footprint in the mangroves area. Adequate Culverts/ channels should be provided at appropriate locations while constructing approach road so as to ensure the free movement of the tidal water in the mangrove vegetation
3. PP should make active efforts to minimize impact on mangroves in order to have lesser temporary loss of mangroves during construction phase of the activity.
4. PP to obtain the prior High Court permission since, the project involve cutting of the mangroves.
5. PP to obtain the Forest clearance under Forest (Conservation) Act, 1980.
6. PP to obtain the NoC from the mangrove cell. Compensatory afforestation of the mangroves should be carried out with the help of the Forest Department.
7. Construction debris and dredged material should not be disposed of in the mangrove area & creek water to avoid any adverse impact on mangroves and marine water quality.
8. Debris generated during the project activity should not be dumped in CRZ area. It should be processed scientifically at a designated place.
9. PP to ensure that best industrial practices should be followed for fire safety measures and for conservation of coastal environment


Member Secretary

Page 42 of 43


Chairperson



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*Minutes of the 159th (Day 4) meeting of Maharashtra Coastal Zone
Management Authority (MCZMA) held on 28th June, 2022*

10. PP to install the Sewage Treatment plant (STP) for the treatment of the waste water treatment.
11. Project proponent should implement Mitigation measures and Environment Management plan as stipulated in the EIA report, effectively and efficiently in letter and spirit during construction and operational phase of the project to ensure that coastal environment is protected.
12. All other required permissions from different statutory authorities should be obtained prior to commencement of work.

-----Meeting ended with vote of thanks to chair-----

Annexure I

List of members/officials present in the online meeting:

1. Commissioner, Fisheries, Member, MCZMA
2. Mr. P. K. Mirashe, Representative from the Industry Dept, Member MCZMA
3. Dr. Mahesh Shindikar, College of Engineering, Pune, Expert Member, MCZMA
4. Dr. A. K. Chaubey, Ex Regional Director NIO, Expert Member, MCZMA
5. Mr. Sunil Bhat, DYChE, MCGM, Representative from the MCZMA, Member, MCZMA
6. Mr. Narendra Toke, Director, Environment &CC and Member Secretary, MCZMA.


Member Secretary

Page 43 of 43


Chairperson



Annexure:II NMMC has applied to SEIAA for obtaining CRZ clearance vide letter no. NMMC/CE/2181/2022 Dated: 15/07/2022.



**नवी मुंबई
महानगरपालिका**

नवीन मुख्यालय, भु.क. १ वर,
से. १५ए, सी.बी.डी. नवी मुंबई-
४००६१४. दूरध्वनी क्र. - २७५६७०७०
२७५६७११२, फॅक्स - २७५७३७८५

**Navi Mumbai
Municipal Corporation**

New Head Office Building, Plot No.1 & 2, Sector
15A, CBD, Navi Mumbai- 400 614.
TEL. No. : 27567070, 27567112
FAX : 2757 37 85

NMMC/CE/2181/2022
Date-15/7/2022.

To,

The Member Secretary,
Room no. 217,
State Environmental Impact Assessment Authority,
Environment Department, Mantralaya,
Mumbai, Maharashtra-400 032

15/07/22
प्रधान सचिव, राज्य पर्यावरण व जल संवर्धन विभाग, मुंबई-400 012

Subject: Compliance to the minutes of 159th meeting (Day 4) of MCZMA held on 28th June 2022 for CRZ clearance for proposed construction of bridge from Ghansoli to Airoli by Navi Mumbai Municipal Corporation.

Reference: Minutes of 159th meeting of MCZMA held on 28th June 2022

Respected Madam,

Navi Mumbai Municipal Corporation (NMMC) has proposed the construction of bridge from Ghansoli to Airoli in Navi Mumbai. In this regard the application was submitted to Maharashtra Coastal Zone Management Authority (MCZMA) for obtaining the CRZ clearance.

The proposal for the CRZ clearance to the project was appraised during 152nd, 154th, 158th and 159th meeting of MCZMA held on 16.2.2021, 15.4.2021, 25.5.2022 and 28.6.2022 respectively.

The authority after deliberation in its 159th meeting on 28.6.2022 recommended the proposal to SEIAA for CRZ clearance subject to certain conditions. We are submitting herewith the point wise compliance to the conditions as given below.

1. The proposed Ghansoli to Airoli Bridge should be carried out strictly as per the provisions of CRZ Notification, 2011 as amended from time to time and with a commitment of protection and conservation of coastal environment.

Compliance: The proposed Ghansoli to Airoli bridge will be constructed as per the provisions of the CRZ notification. The mitigation measures along with environment management plan suggested in the EIA report will be followed to minimize the impact on the coastal environment from the construction activities of the project. Also the project proponent will have PMC to monitor overall project including its environmental aspects.



2. PP should strictly ensure that mangroves cutting should be restricted to bare minimum. Spacing between pillars of bridge should be designed in such a way that it will have minimum footprint in the mangroves area. Adequate Culverts/ channels should be provided at appropriate locations while constructing approach road so as to ensure the free movement of the tidal water in the mangrove vegetation.

Compliance: The project requires cutting of 1454 nos. of mangrove trees for the construction of pillars of the bridge. The pillars of the proposed bridge will be spaced at 40-50 m which will ensure the minimum loss of mangrove vegetation. The channels will be provided during construction phase to allow free flow of the tidal water in mangrove vegetation near construction site.

3. PP should make active efforts to minimize impact on mangroves in order to have lesser temporary loss of mangroves during construction phase of the activity.

Compliance: The project design is developed so as to minimize the impact on mangrove. The incremental launch method is proposed to reduce disturbance to the mangrove ecosystem. The pillars of the bridge are spaced at 40-50 m to avoid destruction to large number of mangrove. Also mangrove in the approach path will have temporary impact as the mangrove trees are anticipated to regrow in the area devoid of pillars. Further it will be ensured that the construction waste will be disposed to designated dumping area. The solid waste will be collected and disposed to authorised agency.

4. PP to obtain the prior High Court permission since, the project involve cutting of the mangroves

Compliance: The Hon'ble High Court order dated 18.9.2018 in PIL 87/2006 bars construction in mangrove area except in public interest. The PP has submitted a note to MCZMA pertaining to the public interest involved in the project vide letter dated 15.4.2022. Accordingly prior High Court permission will be obtained.

5. PP to obtain the Forest clearance under Forest (Conservation) Act, 1980.

Compliance: The Forest clearance will be obtained prior to construction of the project. The proposal for Stage-I Forest Clearance has been submitted to Mangrove Conservation Unit, Mumbai on 1.2.2022 and the same is in process for obtaining the Forest clearance.

6. PP to obtain the NoC from the mangrove cell. Compensatory afforestation of the mangroves should be carried out with the help of the Forest Department.

Compliance: The NOC will be obtained from Mangrove cell. The Compensatory Afforestation land has been identified by Forest department at Gut No 96/21 in Saravali Village, Taluka Dahana, District Palghar. The mangroves may be planted in the density of approximately 4,444 nos./Ha with the help of Forest department.

7. Construction debris and dredged material should not be disposed of in the mangrove area & creek water to avoid any adverse impact on mangroves and marine water quality.

Compliance: The construction debris and dredged material will be disposed to designated authorised disposal site. No debris will be dumped in mangrove area.

8. Debris generated during the project activity should not be dumped in CRZ area. It should be processed scientifically at a designated place.

Compliance: The debris generated during construction activity will be dumped at designated dumping site through authorised agency. Construction debris will not be



dumped into CRZ area.

9. PP to ensure that best industrial practices should be followed for fire safety measures and for conservation of coastal environment

Compliance: Necessary measures will be implemented with regards to fire and safety such as avoiding excess fuel storage at construction site, demarcation of construction area etc. Waste management will be practiced at site to avoid impact on mangrove and associated fauna.

10. PP to install the Sewage Treatment plant (STP) for the treatment of the waste water.

Compliance: The sewage generated from construction labour will not be discharged into mangrove area. Modular STP will be installed during construction phase for treatment of waste water generated by labour.

11. Project proponent should implement Mitigation measures and Environment Management plan as stipulated in the EIA report, effectively and efficiently in letter and spirit during construction and operational phase of the project to ensure that coastal environment is protected.

Compliance: The mitigation measures and environment management plan provided in the EIA report will be implemented during construction as well as operation phase for the protection of the coastal environment within project surrounding.

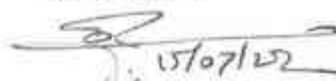
12. All other required permissions from different statutory authorities should be obtained prior to commencement of work.

Compliance: All the statutory permissions will be obtained prior to start of the construction process.

With regards to the above compliance to the conditions given by MCZMA we request you to kindly consider the proposal in next SEIAA meeting and grant us the CRZ clearance.

Thanking you!

Yours faithfully,

 15/07/22

(Abhijit Bangar)
Commissioner

Navi Mumbai Municipal Corporation





Annexure: X**UNDERTAKING**

w.r.t.

Condition no (xiii) - Speed regulating signage will be erected along the road at regular intervals in the Protected Areas/Forest Areas

This is to state that, Navi Mumbai Municipal Corporation (NMMC), who is the Project Proponent, hereby undertake that, "Speed regulating signage ready to erected along the road at regular intervals in the Protected Areas/Forest Areas"

Date: 14/03/2023

Place: Navi Mumbai

Sanjay Desai
City Engineer

Navi Mumbai Municipal Corporation

UNDERTAKING

w.r.t

Condition no (xiv) - The State Government/ User Agency shall take prior permission from Hon'ble High Court for Mangrove cutting before issue of order for diversion of the forest land in accordance with Hon'ble Mumbai High Court order dated 27/1/2010 in PIL 87 of 2006.

This is to state that, Navi Mumbai Municipal Corporation (NMMC), who is the Project Proponent, hereby agreed that, "The State Government/ User Agency shall take prior permission from Hon'ble High Court for Mangrove cutting before issue of order for diversion of the forest land in accordance with Hon'ble Mumbai High Court order dated 27/1/2010 in PIL 87 of 2006."

Date: 07/02/2023

Place: Navi Mumbai




Sanjay Desai
City Engineer

Navi Mumbai Municipal Corporation

UNDERTAKING


w.r.t

Condition no(xv): User Agency shall obtain Environmental Clearance as per the provisions of the Environmental (Protection) Act, 1986, if applicable.

This is to state that, Navi Mumbai Municipal Corporation (NMMC), who is the Project Proponent, hereby undertakes that, "As per EIA notification 14 Sept. 2006 updated till date, Environment Clearance (EC) is not required for the proposed project."

Date: 17/04/2023

Place: Navi Mumbai


Sanjay Desai
City Engineer

Navi Mumbai Municipal Corporation



Annexure: XIII**UNDERTAKING**


w.r.t.

Condition no (xvi) - The layout plan of the proposal shall not be changed without prior approval of Central Government

This is to state that, Navi Mumbai Municipal Corporation (NMMC), who is the Project Proponent, hereby undertake that, "The layout plan of the proposal shall not be changed without prior approval of Central Government."

Date: 14 / 03 / 2022

Place: Navi Mumbai


Sanjay Desai
City Engineer

Navi Mumbai Municipal Corporation




Annexure: XIV**UNDERTAKING****w.r.t.****Condition no (xvii) - No labour camp shall be established on the forest land.**

This is to state that, Navi Mumbai Municipal Corporation (NMMC), who is the Project Proponent, hereby undertake that, "No labour camp shall be established on the forest land."

Date: 14/03/2022

Place: Navi Mumbai




Sanjay Desai
City Engineer

Navi Mumbai Municipal Corporation

Annexure: XV**UNDERTAKING**

w.r.t.

Condition no (xviii) - Sufficient firewood, preferably the alternate fuel, shall be provided by the User Agency to the labourer after purchasing the same from the State Forest Department or the Forest Development Corporation or any other legal source of alternate fuel.

This is to state that, Navi Mumbai Municipal Corporation (NMMC), who is the Project Proponent, hereby undertake that, "Sufficient firewood, preferably the alternate fuel, shall be ready to provide to the labourer after purchasing the same from the State Forest Department or the Forest Development Corporation or any other legal source of alternate fuel."

Date: 14/03/2022

Place: Navi Mumbai

Sanjay Desai
City Engineer

Navi Mumbai Municipal Corporation

Annexure - XVI

UNDERTAKING

w.r.t

Condition no (xix) - The boundary of the diverted forest land shall be suitably demarcated or ground at the project cost, as per the directions of the concerned Divisional Forest Officer,

This is to state that, Navi Mumbai Municipal Corporation (NMMC), who is the Project Proponent, hereby agreed that, "The boundary of the diverted forest land shall be suitably demarcated or ground at the project cost, as per the directions of the concerned Divisional Forest Officer."

Date: 07/02/2023
Place: Navi Mumbai




Sanjay Desai
City Engineer
Navi Mumbai Municipal Corporation

Annexure: XVII**UNDERTAKING**


w.r.t.

Condition no (xx) - No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work.

This is to state that, Navi Mumbai Municipal Corporation (NMMC), who is the Project Proponent, hereby undertake that, "No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work."

Date: 14 /03 /2022

Place: Navi Mumbai


Sanjay Desai
City Engineer

Navi Mumbai Municipal Corporation

UNDERTAKING

w.r.t

Condition no (xxi) - The period of diversion under this approval shall be co-terminus with the period of lease to be granted in favor of the user agency or the project life, whichever is less.

This is to state that, Navi Mumbai Municipal Corporation (NMMC), who is the Project Proponent, hereby agreed that, "The period of diversion under this approval shall be co-terminus with the period of lease to be granted in favor of the user agency or the project life, whichever is less."

Date: 07/02/2023

Place: Navi Mumbai



Sanjay Desai
City Engineer

Navi Mumbai Municipal Corporation

Annexure: XIX**UNDERTAKING**


w.r.t.

Condition no (xxii) - The forest land shall not be used for any purpose other than that specified in the project proposal.

This is to state that, Navi Mumbai Municipal Corporation (NMMC), who is the Project Proponent, hereby undertake that, "The forest land shall not be used for any purpose other than that specified in the project proposal".

Date: 14 /03 /2023

Place: Navi Mumbai


Sanjay Desai
City Engineer

Navi Mumbai Municipal Corporation

Annexure - XX

७९

UNDERTAKING

w.r.t


Condition no (xxiii) - The forest land proposed to be diverted shall under no circumstances be transferred to any other agencies, department or person without prior approval of Govt. of India.

This is to state that, Navi Mumbai Municipal Corporation (NMMC), who is the Project Proponent, hereby agreed that, "The forest land proposed to be diverted shall under no circumstances be transferred to any other agencies, department or person without prior approval of Govt. of India."

Date: 07/02/2023

Place: Navi Mumbai




Sanjay Desai
City Engineer

Navi Mumbai Municipal Corporation

Annexure - ~~XXI~~

UNDERTAKING

w.r.t

Condition no (xxiv) - Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as per the MoEF & CC Guideline F. No. 11-42/2017-FC dt 29/01/2018;

This is to state that, Navi Mumbai Municipal Corporation (NMMC), who is the Project Proponent, hereby agreed that, "Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as per the MoEF & CC Guideline F. No. 11-42/2017-FC dt 29/01/2018."

Date: 07/02/2023

Place: Navi Mumbai




Sanjay Desai
City Engineer

Navi Mumbai Municipal Corporation

Annexure - XII

(24)

UNDERTAKING

w.r.t

Condition no (xxv) - Any other condition that the Ministry of Environment, Forests & Climate Change may stipulate from time to time in the interest of conservation, protection and development of forests & wildlife

This is to state that, Navi Mumbai Municipal Corporation (NMMC), who is the Project Proponent, hereby agreed that, "Any other condition that the Ministry of Environment, Forests & Climate Change may stipulate from time to time in the interest of conservation, protection and development of forests & wildlife."

Date: 07/02/2023

Place: Navi Mumbai




Sanjay Desai
City Engineer

Navi Mumbai Municipal Corporation

Annexure - XXIII

73

UNDERTAKING

w.r.t

Condition no (xxvi) - The compliance report shall be uploaded on e-portal (<https://parivesh.nic.in>)

This is to state that, Navi Mumbai Municipal Corporation (NMMC), who is the Project Proponent, hereby agreed that, "The compliance report shall be uploaded on e-portal (<https://parivesh.nic.in>).

Date: 07/02/2023

Place: Navi Mumbai



Sanjay Desai
City Engineer

Navi Mumbai Municipal Corporation

Annexure – II



महाराष्ट्र शासन

गाव नमुना सात (अधिकार अमिलेख पत्रक)

[महाराष्ट्र जमीन मंडळाला अधिकार अमिलेख आणि नोंदवह्या (तयार करणे व सुविधेतील ठेवणे) नियम १९७१ यातील नियम ३,५,६ आणि ७]

गाव :- सरावली (५५१६९०)

तालुका :- ठहाणू

जिल्हा :- पालघर



PJ-ID : 37427297970

समापन क्रमांक व त्रयसिमा

९६/२१

37427297970

मुधारणा पद्धती सरकार

शेताचे स्थानीक नाव :

क्षेत्र, एकक व आकारणी	खाले क्र.	मोगवट्यादाराचे नाव	क्षेत्र	आकार	पो.ख.	फेरफार क्र.	कुळ, खंड व इतर अधिकार
क्षेत्राचे एकक डे.आर.पी.मी	४८६	खांजण .	५३.८९.८४			(८०५२)	कुळ्याचे नाव व खंड
अ) लागवड योग्य क्षेत्र	९५४	राखीव वन	१९.४७.५७			(८०३९)	इतर अधिकार
जिरादत ७८.९९.३९							इतर
बागावत -	१९२२	भारतीय रेल्वे	४.८९.९०			(८०५२)	ने.प्रॉ.नं. LND SM/५/६४ दि.१८/९/५० लगत
एकुण							ता.प्रॉ.नं. LND SM २१५ दि.२०/९/५० प्रो.नाया पोशा
ला.पो. क्षेत्र ७८.९९.३९							माथी याची जमीन खालसा केली. (२०३०)
							जाना रत्ना याचात याने २०० तगाई केली जमीन
							तारण (२०३०)
ब) पोटखराब क्षेत्र							इतर
(लागवड अयोग्य)							रामा झेपस माथी यास कोलंबी उत्पादनासाठी ५
वर्ग (अ) -							हेक्टर जागा ३० वर्षासाठी माडेपट्ट्याने दिली. शर्त
वर्ग (ब) -							क्र. १ ते ११. (७२२०)
एकुण							इतर
पो.ख.क्षेत्र ०.००.००							राकेश जयंतीलाल ठहाणूयाला यास कोलंबी
							उत्पादनासाठी ५ हेक्टर जागा ३० वर्षासाठी
एकुण क्षेत्र ७८.९९.३९							माडेपट्ट्याने दिली. शर्त क्र. १ ते १७. (७३४९)
(अ+ब)							इतर
आकारणी ०.००							काशिनाथ झेपस माथी ५हेक्टर जमिन कोलंबी
							उत्पादनासाठी ५ हेक्टर जागा ३० वर्षासाठी
							माडेपट्ट्याने दिली. शर्त क्र. १ ते १७. (७३५०)
जुडी किया विशेष							इतर
आकारणी							वन जमाबंदी अधिकारी तथा उपविभागीय
							अधिकारी यांचेकडील अंतिम आदेशाला अधीन
							राहून. (७७४४)
							इतर
							वन जमाबंदी अधिकारी तथा उपविभागीय
							अधिकारी ठहाणू यांचे कडील अंतिम आदेशास
							अधीन राहून (७९०१)
							[इतर.] (७९४९)
							[सुकर नामा दुबळा आन १ जालीचे जागा दिलेली
							खालसा केली.] (७९४९)



हा गाव नमुना क्रमांक ७ दिनांक १६/०४/२०२५ ७:२८:४५ PM रोजी डिजिटल स्वाक्षरीत केला आहे व गाव नमुना क्रमांक १२ या डेटा स्वयंसेवागिरी अंतर्गत मुळे ७/१२ अमिलेखावर वर कोणत्याही सही शिक्क्याची आवश्यकता नाही.

७/१२ कायमलीक दि. : १८-०२-२०२५ : १०:५४:४४ PM. वैधता पडताळणीसाठी <https://digisatbar.mahabhumi.gov.in/dsr/> या संकेत स्थळावर जाऊन 3602100001182400 हा क्रमांक वापरावा.

पृष्ठ क्र. १/३





[सि. प्रॉप. ला. नं. LND SP ८६७० दि. १२/२/८९
मितागरे साती २५ प्रॉप. साती लीफ्टवर स्वातील
सोलापटीमा देण्यात आली.] (७९४९)
[रामभोत विभाग आदिवासी सो ११५ एकर.] (७९४९)
[इतर.] (७९४२)
[हेडी अग्रीक बारी ग्राम कौलबी विकसित विकसनी
अरीता ५ सेक्टर जगा ३० प्रॉप. साती माहेरपुत्राचे
दिली शर्त क्र. १ ते ११.] (७९४२)
इतर
मा. जिल्हाधिकारी कार्यालय पालघर यांचे कडील
आदेश क्र. महसूल/कस. १/टे-
जमीनबाब/सीआर-०५/२०२४ दि. ०४/०७/२०२४
अन्वये आदेशातील शर्त क्र. १ ते १५ अटीस अधीन
राहून क्षेत्र ४.०९.२२ डे. आर. वन विभागाचे मावे
[राखीव वन] या खात्यात दाखल केले असे (८०३९)
[इतर.] (८०४२)
[हेडीकॅटेन फॅड कॉरीडॉर अरीता संपादीत क्षेत्र
०-०२-५.] (८०४२)
[हेडीकॅटेन फॅड कॉरीडॉर अरीता संपादीत क्षेत्र
४-३६-८.] (८०४२)
मा. जिल्हाधिकारी पालघर यांचे कडील आदेश क्र.
महसूल/कस. १/टे-जमीनबाब/कावि-१२३१/२०१६
दि. १७/११/२०१६ आदेश मध्ये नमूद अटी व शर्त
क्र. १ ते १५ ला अधीन राहून (८०४२)

प्रलंबित फेरफार : नाही.

शेवटचा फेरफार क्रमांक : ८०४२ व दिनांक :
१६/०९/२०२५

जुने फेरफार क्र. : (१) (८०३) (८३१) (२०३०) (३४७४) (३५३८) (३५३९) (३६४४) (४०६३) (६०३२) (७१६६) (७२०२) (७२१७) (७२२०) (७२५२) (७२५३) (७३४९) (७३५०)
(७३६६) (७६००) (७७३३) (७७४४) (७८९९) (७९०९) (८०३९)

सीमा आणि सुमापन चिन्हे :



हा गाव नमुना क्रमांक ७ दिनांक १६/०९/२०२५ ७:१२:८४ PM रोजी डिजिटल स्वाक्षरीत केला आहे व गाव नमुना क्रमांक १२ चा डेटा स्वयंसेवागार अलवामुळे ७/१२ अमिले जाऊन वर
कोणत्याही सही आवश्यकता नाही.
७/१२ कायमशीक दि. : १८-०२-२०२५ : १७:५४:४४ PM. वेबसाइट पडताळणीसाठी <https://digisatbar.mahabhumi.gov.in/dsr/> या संकेत स्थळावर जाऊन 3602100001182400 हा क्रमांक
वापरावा.

पृष्ठ क्र. २/३



ગાવ નમુના બારા (પિકાંબી નોંદવઢી)

[મહારાષ્ટ્ર જમીન મહસુલ અધિકાર અમિલેક આણિ નોંદવઢા (તયાર કરણે ધ સુલ્થિતીત ઢેયણે) નિયમ ૧૯૭૧ યાતીલ નિયમ ૨૧]

ગાવ :- સરાવલી (૫૫૧૬૧૦)

તાલુકા :- ડહાણુ

જિલ્લા :- પાલઘર

મુનાવન ક્રમાંક ધ ડગધિમાગ ૧૬/૨૧

વર્ષ	હગાન	ચાતે ક્રમાંક	પિકાંચાલીલ ક્ષેત્રામા તપશીલ					લાગવઢીતાઢી ડપલચ નલલેલી જમીન		ઢેરા
			પિકાંચા પ્રકાર	પિકાંચે માપ	જલ લિખિત	અજલ લિખિત	જલ લિખનાયે સાધન	સ્વલપ	ક્ષેત્ર	
(૧)	(૨)	(૩)	(૪)	(૫)	(૬)	(૭)	(૮)	(૯)	(૧૦)	(૧૧)
					હે.આર.પી.ની	હે.આર.પી.ની			હે.આર.પી.ની	
૨૦૧૭-૧૮	ચરીપ							નિઠાગર	૪૬.૦૦૦૦	
			નિર્મેલ	માત		૦.૭૫૩૧				
								ચાખણ	૩૧.૪૪૦૦	
૨૦૧૮-૧૯	ચરીપ							નિઠાગર	૪૬.૦૦૦૦	
								ચાખણ	૩૧.૪૪૦૦	
			નિર્મેલ	માત		૦.૭૫૩૧				
	સંપૂર્ણ વર્ષ							નિઠાગર	૪૬.૦૦૦૦	
								ચાખણ	૩૧.૪૪૦૦	
૨૦૧૯-૨૦	ચરીપ		નિર્મેલ	માત		૦.૭૫૩૧				
								નિઠાગર	૪૬.૦૦૦૦	
								ચાખણ	૩૧.૪૪૦૦	
	સંપૂર્ણ વર્ષ							નિઠાગર	૪૬.૦૦૦૦	
								ચાખણ	૩૧.૪૪૦૦	

ટીપ : - સવરચી નોંદ મોઢાહલ ઓપ ઢારે ષેળેત આલેલી આઢે

Government of Maharashtra**Village Form VII (Record of Rights (Adhikar Abhilekh Patrak))**

[Rule 3, 5, 6 and 7 of Maharashtra Land Revenue Record of Rights and Registers (Preparation and Maintenance)

Rules, 1971]

Village: - Sarawali (551610)

Taluka: - Dahanu

Dist.: - Palghar

Survey No. and Subdivision: 96/21

Land holding system: Government

Local name of the field :

Area, Unit & Assessment	A/c No.	Name of occupant	Area	Size	NC	Mutation No.	Tenant, Rent and other rights
Unit area Ha Are Sqm	486	Khanjan	53.89.84			(8052)	Name of tenant & rent -
A) Cultivable Area	954	Reserve Forest	19.47.57			(8031)	Other rights :
Arable land - 78.19.31	1122	Indian Railway	4.81.90			(8052)	Other
Orchard land -							May Province. Prof. No. LND SR/5/64. Dated 18/9/50 Adjacent hrs. Prof. No. LND SR 215 Date. 20/9/50 Prof. The Land Of Maya Machhi Was Confiscated. (2030) Jana Ratna Waghat Mortgaged 200 Tagai Land (2030)
Total C.A. 78.19.31							Other
B) Non-cultivable Area							Rama Zepru Machhi Leased 5 Hectares Of Land For Shrimp Production For 30 Years. Condition No. 1 To 11 (7220)
Class (A) -							Other
Class (B) -							Rakesh Jayantilal Dahanuwala Leased 5 hectares Of Land for Shrimp Production for 30 years. Condition No. 1 to 17 (7349)
Total N. C. Area 0.00.00							Other
Total Area (A+B) 78.19.31							Kashinath Zepru Machhi Leased 5 Hectares Of land For Shrimp Production For 30 Years. Condition No. 1 To 17 (7350)
Assessment 0.00							Other
Judi Or special - Assessment							Subject To The Final Order Of The Forest jamabandi Officer & Sub-Divisional Officer (7744)
							Other
							Subject To The Final Order Of The Forest jamabandi Officer & Sub-divisional Officer Dahanu (7901)
							[Other] (7941)
							[Sukar Nan Dubala Was Given a Place of 1 Year] (7941)
							[May. Province. H No. LND SR 8670 Dt. 12/8/89 Lease For 25 Years For Mithagare To the Following Societies] (7941)
							[Ranshet Division Tribals So. 115 Hectares] (7941)
							[Other] (7972)
							[Bebi Ashok Bari Leased 5 Hectares Of Land For Shrimp Production For 30 Years. Condition No. 1 To 11] (7972)
							Other
							Hon. Collectors Office Palghar Order No. Revenue/Room No. 1/ to Zaminbab/CR- Dated 05/2024. Area 4.01.22 Subject To Condition No. 1 To 15 Of the order dated 4/7/2024. The name of the R. Forest Department were entered in the Reserve Forest Account (8031)

		<p><u>[Other] (8052)</u> <u>[Edited Area Doing Dedicated Corridor 0.02.5] (8052)</u> <u>[Edited Area Doing Dedicated Corridor 4.36.8] (8052)</u> Hon. Collector Of Palghar Order No. Revenue/Room No. 1/ Te - Zaminbab/Kavi-1231/2016 Dated 17/11/2016. Subject To The Terms & Conditions Set out in the order no. 1 To 15. (8052)</p> <hr/> <p>Pending mutation: No</p> <hr/> <p>No. Of Last mutation - 8052 & Date – 16/01/2025</p> <hr/>
<p>Old mutation no: (1) (803) (831) (2030) (3474) (3538) (3539) (3644) (4063) (6032) (7166) (7202) (7252) (7253) (7349) (7350) (7366) (7600) (7733) (7744) (7899) (7901) (8031)</p>		<p>Boundary and survey marks:</p>

Note : The information given on this website cannot be used for any governmental or legal matters.

Village Form XII (Register of crops)

[Rule 29 of Maharashtra Land Revenue Record of Rights and Registers (Preparation and maintenance) Rules, 1971]

Village: - **Sarawali (551610)**
Survey No. and Subdivision – **96/21**

Taluka: - **Dahanu**

Dist.: - **Palghar**

		Details of cropped area									Land not available for cultivation		Source of irrigation	Remark
		Area under mixed crops						Area under pure crops						
		Account No.	Irrigated	Type Of Crop	Constituent crops and area under each		Unirrigated				Name of crop	Irrigated		
Name of crop	Irrigated				Unirrigated									
Year	Season													
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
						Ha. Are. Sqm.	Ha. Are. Sqm.		Ha. Are. Sqm.	Ha. Are. Sqm.		Ha. Are. Sqm.		
2017-18	Kharif										Mithagar	46.0000		
				Pure	Rice		0.7531							
											Khanjan	31.4400		
2018-19	Kharif										Mithagar	46.0000		
											Khanjan	31.4400		
				Pure	Rice		0.7531							
	Whole Year										Mithagar	46.0000		
											Khanjan	31.4400		
2019-20	Kharif			Pure	Rice		0.7531							
											Mithagar	46.0000		
											Khanjan	31.4400		
	Whole Year										Mithagar	46.0000		
											Khanjan	31.4400		

Note : The information given on this website cannot be used for any governmental or legal matters.

ताबा पावती

ताबे पावती लिहून देणार

श्री. गौरव रामचंद्र बांगारा

मंडळ अधिकारी मल्याण ता.डहाणू जि. पालघर

ताबे पावती लिहून घेणार

श्री. नविन शंभू माच्छी

वनक्षेत्रपाल डहाणू ता.डहाणू जि. पालघर

कारणे ताबेपावती लिहून देतो की, मौजे : सरावली येथील स.नं./गट.नं. 96/21 क्षेत्र 62.72.96 हे.आर मधील पैकी क्षेत्र 4.01.22 हे आर ही जमिन नवी मुंबई महानगर पालिका क्षेत्रा अंतर्गत घणसोली येथील पाम बिच मार्गावर घणसोली ते ऐरोली खाडीवरील ब्रीज प्रस्तावित असून सदर प्रकल्पामध्ये बाधित होत असलेल्या वन जमिनीच्या बदल्यात वन विभागास पर्यायी वनीकरणासाठी जमिन देण्याकामी झालेले आदेश पुढीलप्रमाणे 1) मा. महाराष्ट्र शासन महसूल व वन विभाग शासन शापण क्र.जमिन 27अ22/प्र.क्र. 24/ज.4 अ दिनांक 13/06/2024 2) मा. जिल्हाधिकारी पालघर यांचेकडील आदेश क्र.महसूल/कक्ष.1 /टे.जमिनबाब/सौआर -05/2024 दि. 04/07/2024 3) मा. तहसिलदार डहाणू यांचेकडील पत्र क्र. महसूल/जमिनबाब/कावि- 2318182/2024 दि. 13/07/2024 रोजीचे आदेशाने राखिव वन म्हणून वन विभागाला जमिन देण्यासाठी आदेशाने गावी फे.क्र. 8031 दिनांक 15/07/2024 रोजी फेरफार मंजूर करून राखिव वन म्हणून नावे जमिन केलेली आहे. सदर जमिनीची मोजणी मा. उपअधिक्षक भूमि अभिलेख डहाणू यांचेकडून दि. 30/08/2024 रोजी जागेची मोजणी करून खांजण मधून जमिन क्षेत्र 4.01.22 हे. आर ऐवढी जमिन वन विभाग डहाणू यांना पुढील प्रमाणे जमिनीच्या चर्तुसिमा 1) पुर्वेस स.नं. 96/21 खांजण जमिनीची हद्द कोळंबी प्रकल्प 2) पश्चिमेस - मौजे वडकून गावाची शीव 3) दक्षिणेस - स.नं. 96/21 राखिव वनाची हद्द 4) उत्तर - ओढ्याची हद्द आहे . अशा चर्तुसिमा समजावून जमिन ताब्यात दिलेली आहे. त्याबाबत गावी झालेल्या फेरफारानुसार 7/12 उतारा वर राखीव वन असा नावे झाल्याने व त्या जागेची मोजणी केली आहे. तरी श्री. नविन शंभू माच्छी, वनक्षेत्रपाल डहाणू यांना मंडळ अधिकारी मल्याण यांनी पंचांसमक्ष व नवी मुंबई महानगरपालिका येथील आधिकारी यांचे उपस्थितीत ताबा दिला आहे. त्याबाबत ताबे पावती लिहून दिली असे, घेतली असे.

दिनांक : 30/08/2024

पंच

(ताबे पावती लिहून देणार)

1) श्री. किरण रमाकांत माच्छी - RRM.

वय वर्षे - 26, रा. सरावली, ता. डहाणू

2) श्री. आशोक वडका माच्छी - Ashok

वय वर्षे - 37, रा. सरावली, ता. डहाणू

गौरव रा. बांगारा
मंडळ अधिकारी मल्याण
ता.डहाणू जि.पालघर
(ताबे पावती लिहून घेणार)

समक्ष

श्री. सरावली श्रीरंगराजे
उपअभियंता नमुकपा

श्री. नविन शंभू माच्छी

वनक्षेत्रपाल ता.डहाणू जि. पालघर

वनक्षेत्रपाल

वनक्षेत्रपाल

Possession Receipt

Person handing over possession:

Shri. Gaurav Ramchandra Bangar
Block Officer, Malyan, Tal. Dahanu, Dist. Palghar

Person taking possession:

Shri. Navin Shambu Makhchi
Forest Ranger, Dahanu, Tal. Dahanu, Dist. Palghar

Reason for issuing the possession receipt:

The land located at Survey No./Plot No. 96/21, Area 62.72.96 hectares in Mouje Saravali includes a portion of 4.01.22 hectares, which falls under the Navi Mumbai Municipal Corporation area near Ghansoli, on Palm Beach Road. This land is affected by the proposed Airoli Creek Bridge Project.

As compensation for the affected forest land, an alternative land parcel has been allocated to the Forest Department for afforestation purposes as per the following government orders:

1. Maharashtra Government Revenue and Forest Department Order No. Land 27A22/Pr. No. 24/J.4A, dated 13/06/2024
2. Palghar District Collector's Order No. Revenue/Section.1/Te-Land Matter/CR-05/2024, dated 04/07/2024
3. Tahsildar Dahanu's Letter No. Revenue/Land Matter/Kavi-2318182/2024, dated 13/07/2024

As per Order No. 8031, dated 15/07/2024, the land has been declared as Reserved Forest Land, and its official records have been updated accordingly.

The measurement and demarcation of the land were carried out by the Deputy Superintendent of Land Records, Dahanu, on 30/08/2024. The total area of 4.01.22 hectares has been handed over to the Forest Department, Dahanu, with the following boundaries:

1. East: Boundary of Survey No. 96/21 (Khajan land, Kolambi Project)
2. West: Boundary of Vadkun village
3. South: Boundary of Reserved Forest (Survey No. 96/21)
4. North: Stream boundary

The land was handed over after explaining these boundaries. According to the updated village records, this land is now officially recorded as Reserved Forest in 7/12 land records. The final land measurement was conducted accordingly.

Therefore, Shri. Navin Shambu Makhchi, Forest Ranger, Dahanu, received possession of the land in the presence of Block Officer, Malyan, local witnesses, and officials from Navi Mumbai Municipal Corporation.

Accordingly, this possession receipt has been issued and acknowledged.

Date: 30/08/2024

Witnesses (Panch):

1. Shri. Vikram Ramakant Mhatre (Gram Panchayat Member, Saravali, Dahanu)
2. Shri. Ashok Ramakant Mhatre (Gram Panchayat Member, Saravali, Dahanu)

Signature of Officials:

- Gaurav R. Bangar (Block Officer, Malyan, Dahanu, Palghar)
- Navin Shambu Makhchi (Forest Ranger, Dahanu, Palghar)
- Other Officials' Signatures

This document officially records the transfer of possession of the said land from the concerned authorities to the Forest Department.

फक्त कार्यालयीन कामासाठी - निशुल्कप्रत

फक्त कार्यालयीन कामासाठी - निशुल्कप्रत

फक्त कार्यालयीन कामासाठी - निशुल्कप्रत

गाव नमुना ६

फेरफार नोंदवही (फेरफार पत्रक)

[महाराष्ट्र जमीन महसूल अधिकार अभिलेख आणि नोंदवह्या (तयार करणे व सुस्थितीत ठेवणे) नियम, १९७१ यातील नियम १०]

गाव :- सरावली

तालुका :- डहाणू

जिल्हा :- पालघर

नोंदीचा अनुक्रमांक	संपादन केलेल्या अधिकाराचे स्वरूप	परिणाम झालेले भुमापन व उपविभाग क्रमांक	अधिकार्याचे नाव , आद्याक्षरी व शेरा
७९०१	<p>फेरफाराचा प्रकार : अनोंदणीकृत</p> <p>नोंदीचा प्रकार : आदेश व दस्तावेज फेरफाराचा दिनांक : २४/०२/२०२१ माहिती मिळालेचा दिनांक :- २४/०२/२०२१</p> <p>अधिकारी : मा.तहसीलदार डहाणू</p> <p>आदेश क्रमांक : क्र महसूल /जमिनबाब /कांदळवन अधिसूचना/राखीव वन /कावि -११२०</p> <p>आदेश दिनांक : १५/१२/२०२०</p> <p>आदेशाने मा.विभागीय आयुक्त कोकण विभाग यांचे कडील दि.३/०९/२०१५ रोजी च्या प्रारूप अधिसूचनेत नमूद नदी , नाळे , गावठाण , अरबीसमुद्र</p>	<p>९६/ २१</p> <p>(मंजूर)</p> <p>एकूण :- १</p>	<p>मा . तहसिलदार डहाणू यांचेकडील आदेश क्र महसूल /जमिनबाब /कांदळवन अधिसूचना/राखीव वन /कावि -११२० दि.१५/१२/२०२० रोजीचा आदेश पाहिला ,सबब नोंद प्रमाणित.</p>

यात असलेले कांदळवन क्षेत्र चिन्हांकित करून गाव दफ्तरातील शेवटचे गट नं नंतर नविन गट नं देऊन राखीव वनाचा सातबारा नविन घडविण्यासाठी

मा. तहसिलदार डहाणू यांचे कडील आदेश क्र. महसूल जमिन बाब कावि-०३/२०१८ दि.१७/०३/२०१८ अन्वये आदेश झालेने गट नं. ११२ क्षेत्र ५.३२.१६ हे आर , गट नं ११३ क्षेत्र १.७३.०१ हे आर , गट नं ११४ क्षेत्र ०.१५.२२ हे आर , गट नं. ११५ क्षेत्र ०.७४.७७ हे.आर. असे राखीव वनाचे नविन ७/१२ घडविण्यात आले होते.परंतु उपअधीक्षक भूमी अभिलेख यांचे सोबत स्थळ पाहणी केल्या नंतर गट नं व नविन सर्वे नं यामध्ये तफावत असलेने व सदरचे क्षेत्र हे गट नं.९६/२१ यामध्ये येत असल्याने , गट नं ११२ , ११३ , ११४ व ११५ हे ७/१२ बंद करून सदर कांदळवन क्षेत्राची नोंद भारतीय वन अधिनियम १९२७ कलम ४ अन्वये राखीव वन म्हणून गट नं.९६/२१ या सर्वे नं मध्ये समविष्ट करणे बाबत मा .

तहसिलदार डहाणू यांचेकडील आदेश क्र

महसूल /जमिनबाब /कांदळवन अधिसूचना/राखीव वन /कावि -११२० दि.१५/१२/२०२०

अन्वये आदेश झाल्याने गट नं ११२ , ११३ , ११४ व ११५ मधील एकूण क्षेत्र ७.१५.१६ हे आर. हे गट नं.९६/२१ मध्ये वरील क्षेत्राची राखीव वन म्हणून नोंद घेतली असे.

हितसंबंधितांना नोटीस बजावल्याचा दि.

फेरफार नोंद निर्गतीचा दि. २४/०२/२०२१

(जयश्री जनार्दन दिवे)

तलाठी

सरावली साझा सरावली ता. डहाणू जि. पालघर

(जि.आर.बांगारा)

मंडळ अधिकारी:- मल्याण

ता.: डहाणू

जि.: पालघर

दि.: २४/०२/२०२१

"सदर दस्तावेज हा केवळ अंतर्गत शासकीय कार्यवाहीसाठी उपलब्ध आहे. खाजगी वापर केल्यास योग्य दंड/शिक्षा केली जाईल याची नोंद घ्यावी."

दिनांक :- १२/०८/२०२४

सांकेतिक क्रमांक :- २७२१०००२०२६५१२००००८२०२४३६६

५५७०

(नाव :- जयश्री जनार्दन दिवे)

तलाठी साझा :- सरावली ता :- डहाणू जि :-पालघर

तलाठी सना सरावली

ता डहाणू जि पालघर

Village Form No. 6
Mutation Entry (Mutation Register)

[Maharashtra Land Revenue Record of Rights and Register (Preparation and Maintenance)
Rules, 1971, Rule 10]

Village: Saravali

Taluka: Dahanu

District: Palghar

Mutation Number	Nature of Rights Acquired	Changes Reflected in Land Area and Usage	Name of Authority, Aadhar Number & Signature
7901	<p>Type of Mutation: Unregistered Nature of Entry: Order and Document Date of Mutation: 24/02/2021 Date of Information Received: 24/02/2021</p> <p>Authority: Hon. Tahsildar Dahanu Order Number: Rev/Land Matters/Mangrove Notification/Reserved Forest/Kavi-1120 Order Date: 15/12/2020</p> <p>As per the order of the Hon. Divisional Commissioner, Konkan Division, the draft notification dated 03/09/2015 identified mangrove areas located in rivers, streams, village settlements, and the Arabian Sea. Subsequently, a new survey number was assigned after the last survey number in the village records, and a new 7/12 extract for the reserved forest was created based on the order of Hon. Tahsildar Dahanu (Order No. Rev/Land Matters/Kavi-03/2018, dated 17/03/2018).</p> <p>Accordingly, the following reserved forest survey numbers were created:</p> <ul style="list-style-type: none"> • Survey No. 112 - Area: 5.32.16 hectares • Survey No. 113 - Area: 1.73.01 hectares • Survey No. 114 - Area: 0.15.22 hectares 	<p>96/21 (Approved) Total - 1</p>	<p>The order from Hon. Tahsildar Dahanu, Order No. Rev/Land Matters/Mangrove Notification/Reserved Forest/Kavi-1120, dated 15/12/2020, has been reviewed; hence, the entry is certified.</p>

	<ul style="list-style-type: none"> Survey No. 115 - Area: 0.74.77 hectares <p>However, after a joint site inspection with the Deputy Superintendent of Land Records, discrepancies were found between the survey numbers and the newly assigned survey numbers. The identified mangrove area actually falls under Survey No. 96/21.</p> <p>Therefore, Survey Numbers 112, 113, 114, and 115 were canceled, and as per the Indian Forest Act, 1927, Section 4, the entire mangrove area was included in Survey No. 96/21 as a reserved forest. This was done based on the order issued by Hon. Tahsildar Dahanu (Order No. Rev/Land Matters/Mangrove Notification/Reserved Forest/Kavi-1120, dated 15/12/2020).</p> <p>Thus, a total area of 27.95.16 hectares from Survey Nos. 112, 113, 114, and 115 has now been officially recorded under Survey No. 96/21 as reserved forest.</p> <p>The date of serving notice to the concerned parties: ____</p> <p>The date of mutation entry issuance: 24/02/2021</p> <p style="text-align: right;">(Jaishree Janardan Dive) Talathi, Saravali Saja, Taluka: Dahanu, District: Palghar</p>		
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"This document is available only for internal government proceedings. Any private use will be subject to appropriate penalties/punishment." **Date:** 12/08/2024
Reference Number:
27210002026512000082024366

(Name: Jaishree Janardan Dive)
Talathi Saja: Saravali
Taluka: Dahanu, District: Palghar

फक्त कार्यालयीन कामासाठी - निशुल्कप्रत

फक्त कार्यालयीन कामासाठी - निशुल्कप्रत

फक्त कार्यालयीन कामासाठी - निशुल्कप्रत

गाव नमुना ६

फेरफार नोंदवही (फेरफार पत्रक)

[महाराष्ट्र जमीन महसूल अधिकार अभिलेख आणि नोंदवह्या (तयार करणे व सुस्थितीत ठेवणे) नियम, १९७१ यातील नियम १०]

गाव :- सरावली

तालुका :- डहाणू

जिल्हा :- पालघर

नोंदीचा अनुक्रमांक	संपादन केलेल्या अधिकाराचे स्वरूप	परिणाम झालेले भुमापन व उपविभाग क्रमांक	अधिकार्याचे नाव , आद्याक्षरी व शेरा
७७४४	<p>फेरफाराचा प्रकार : अनोंदणीकृत नोंदीचा प्रकार : आदेश व दस्तावेज</p> <p>फेरफाराचा दिनांक : ०४/०२/२०१७</p> <p>माहिती मिळालेला दिनांक :- ०६/०२/२०१७</p> <p>मा.विभागीय आयुक्त कोकण विभाग , कोकण भवन यांचेकडील अधिसूचना क्र/म शा/कार्या/२/वने/सी आर २३५७/२०१२ दि.०३/०९/२०१५ हि महाराष्ट्र शासन राजपत्र असाधारण भाग-१ कोकण विभागीय पुरवणी असाधारण भाग क्र ७२ अन्वये ४ सप्टेंबर २०१५ मध्ये प्रसिध्द झालेली आहे. या अधिसूचने द्वारे व मा. तहसीलदार डहाणू</p>	<p>८४(मंजूर),</p> <p>८७(मंजूर),</p> <p>८८(मंजूर),</p> <p>९६/२१</p> <p>(मंजूर)</p> <p>एकूण :- ४</p>	<p>गावी फेरफार घेण्याबाबताचा मा. तहसीलदार डहाणू यांचेकडील आदेश क्र./महसूल/जमिनबाब/कायि-४७०/१६ दि.२९/०४/२०१६ पाहीला सबब नोंद प्रमाणित केली.</p>

यांचेकडील आदेश क्र./महसूल/जमिनबाब/कावि-४७०/१६
दि.२१/०४/२०१६ अन्वये खालील नमूद केलेले सर्वे क्रमांकाचे क्षेत्र
कांदळवन म्हणून प्रस्तावित करण्याचे अधिसूचित झाल्याने संबंधित ७/१२
चे कब्जेदार सदरी "राखीव वन" व इतर हक्क सदरी "वन जमाबंदी
अधिकारी तथा उपविभागीय अधिकारी यांचेकडील अंतिम आदेशाला
अधीन राहून" अशी नोंद घेतली असे.

अ.क्र. सर्वे क्र. ७/१२ वरील एकूण क्षेत्र (हे.आर.) कांदळवनासाठी
अधिसूचित करावयाचे प्रस्तावित क्षेत्र (हे.आर.)

१ २६/२१ ७८.१९३१ ७.५११९

२ ८४ पो.ख. ०.०१०० ०.००७४

३ ८७ ०.७७९० पो.ख. ०.०६१० ०.६५५३

४ ८८ ०.२१५० ०.१९१९

हितसंबंधितांना नोटीस बजावल्याचा दि.

फेरफार नोंद निर्गतीचा दि. ०९/०२/२०१७

(अनंता नामदेव मडके)

तलाठी

सरावली साझा सरावली ता. डहाणू जि. पालघर

(राजेश जनार्दन निमगुळकर)

मंडळ अधिकारी:- मल्याण

ता.: डहाणू

जि.: पालघर

दि.: ०९/०२/२०१७

"सदर दस्तावेज हा केवळ अंतर्गत शासकीय कार्यवाहीसाठी उपलब्ध आहे.

खाजगी वापर केल्यास योग्य दंड/शिक्षा केली जाईल याची नोंद घ्यावी."

दिनांक :- १२/०८/२०२४

सांकेतिक क्रमांक :- २७२१०००२०२६५१२००००८२०२४३६९

५१५०

(नाव :- जयश्री जनार्दन दिवे)

तलाठी साझा :- सरावली ता. डहाणू जि. पालघर

तलाठी साझा सरावली

ता. डहाणू जि. पालघर

Village Form No. 6
Mutation Entry (Mutation Register)

[Maharashtra Land Revenue Record of Rights and Register (Preparation and Maintenance)
Rules, 1971, Rule 10]

Village: Saravali

Taluka: Dahanu

District: Palghar

Mutation Number	Nature of Rights Acquired	Changes Reflected in Land Area and Usage	Name of Authority, Aadhar Number & Signature
7744	<p>Mutation Type: Unregistered</p> <p>Type of Entry: Order and Document Mutation Date: 04/02/2017 Date of Information Received: 06/02/2017</p> <p>The notification No. MSH/Karya/2/Forests/CR 2357/2012, dated 03/09/2015, issued by the Hon. Divisional Commissioner, Konkan Division, Konkan Bhavan, was published in the Maharashtra Government Gazette, Extraordinary Part-1, Konkan Supplementary Edition, Extraordinary Part No. 72, dated 04/09/2015.</p> <p>As per this notification and the order issued by Hon. Tahsildar Dahanu, Order No. Rev/Land Matters/Kavi-470/16, dated 21/04/2016, the following survey numbers have been notified as proposed mangrove areas. Consequently, the relevant 7/12 land records now include the remark "Reserved Forest" in the occupancy column, and in the other rights column, it states "Subject to the final order of the Forest Settlement Officer and Sub-Divisional Officer."</p> <p>Sr. No. Survey No. Total Area in 7/12 (Hectares) Proposed Area to be Notified for Mangroves (Hectares)</p> <p>1 96/21 78.1931 7.5119</p> <p>2 84 P.Kh. 0.0100 0.0074</p>	<p>84 (Approved)</p> <p>87 (Approved)</p> <p>88 (Approved)</p> <p>96/21 (Approved)</p> <p>Total - 4</p>	<p>The order regarding the mutation in the village, issued by Hon. Tahsildar Dahanu (Order No. /Revenue/Land Matters/Kavi-470/16 dated 21/04/2016), has been reviewed; hence, the record has been certified.</p> <p>(Rajesh Janardan Nimgulkar) Mandal Officer, Malyan Taluka: Dahanu, District: Palghar Date: 09/02/2017</p>

	<p>3 87 0.7790 0.0610</p> <p>4 88 0.2150 0.1919</p> <p>Date of Notice Issued to Concerned Parties:</p> <p>—</p> <p>Date of Mutation Entry Issuance: 09/02/2017</p> <p>(Ananta Namdev Madke)</p> <p>Talathi, Saravali Saja,</p> <p>Taluka: Dahanu, District: Palghar</p>		
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Date: 12/08/2024

Reference Number:

27210002026512000082024369

(Name: Jaishree Janardan Dive)

Talathi Saja: Saravali

Taluka: Dahanu, District: Palghar

Annexure – III

EVALUATION OF IMPACT OF PROPOSED “CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI-AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVIMUMBAI ON EPC MODE” ON HABITAT OF SHOREBIRDS AND RECOMMENDATIONS ON MITIGATION

Six-Monthly Report-2

February to July 2024

Prepared by

Srushti Conservation Foundation

A handwritten signature in black ink, appearing to read "Ranjana K. V.".

Introduction

By mid-century, India, China, and Nigeria are projected to account for 35% of the world's population growth, with India alone contributing 416 million additional urban residents. India currently has the largest rural population (893 million), but the global rural population is expected to decrease from 3.4 billion to 3.1 billion by 2050 (UN, 2018). This trend signals an accelerating rural-to-urban migration within India, particularly toward its megacities, necessitating strategic planning to address the associated infrastructural, environmental, and socio-economic challenges.

Over the past few decades, India has witnessed a significant rise in rural-to-urban migration. Between 1981 and 1991, approximately 11 million individuals migrated from rural areas to urban centers, a figure that nearly doubled to 19 million between 2001 and 2011. This migration has contributed to nearly one-third of urban population growth (Bhagat & Mohanty, 2009). Many of these migrants settle in peri-urban areas, accelerating urban expansion beyond city limits. This trend is particularly evident in megacities such as the Mumbai Metropolitan Region (MMR). According to the Mumbai Metropolitan Region Development Authority's (MMRDA) 40-year concept plan, Mumbai's population is projected to reach 44 million by 2052, with urban sprawl extending over 1,050 square kilometers—almost twice its current area of 603 square kilometers (Kamdar, 2014).

A part of this ongoing urbanization of MMR is an upcoming Ghansoli-Airoli link road. J. Kumar Infrasprojects Ltd. is constructing this ~3km road, which runs parallel to Thane Creek and some part of it passes through the Coastal Regulation Zone (CRZ) and demands diversion of 4.0122 ha reserve forest and unnotified mangrove forest (F. No. FC-IMH-260/2022/NGP/10618). The Thane Creek is a critical wintering grounds for migratory shorebirds in the Central Asian Flyway (CAF; Prabhu et al. 2022) and home to about 30–35% of the lesser flamingo population in South Asia (Wetlands International, 2023). Given the importance of the creek for migratory shorebirds, it's essential to evaluate the impact of the proposed bridge on their habitat. Hence, Principal Chief Conservator of Forests (Wildlife), suggested the six-monthly bird surveys to understand the impact bridge on the birds and their habitats (F. No. FC-IMH-260/2022/NGP/10618, condition ix), so that appropriate mitigation measures can be recommended. J. Kumar Infrasprojects Ltd. has sought



the expertise of the Srusti Conservation Foundation (SCF) to study the potential effects of the link road on the shorebirds and their habitats and suggest recommendations.

Shorebirds are the target taxa of this investigation. The specific objectives of the project are as follows.

Objectives

1. Monitoring of diversity and abundance of avifauna at the study site.
2. Monitoring mudflat characteristics of the thane creek along the length of the proposed link to understand physical and biological changes occurred (if any) during the construction work.
3. Recommendations based on firsthand information gained from the on-ground studies to minimise direct impact (if any) on the habitat and associated avifauna.

Study area

The proposed link (~3km in length) is connecting Airoli (on the north) and Ghansoli (on the south) with some part passing through the mangroves (Fig. 1). The northern part of the bridge usually traversing through the degraded mangrove and barren/fallow lands, whereas the southern part crossing through the dense mangroves. The western side of the link is flanked with dense mangrove stripes, which range from ~300m to ~1km wide, beyond these mangroves the creek covered with highly productive mudflats. The eastern side of the bridge is bordered with degraded mangroves, wetlands, barren/fallow land and human settlements.

This link road is situated in the Thane Creek Ramsar site (<https://rsis.ramsar.org/rs/2490>) and Key Biodiversity Area (KBA; BirdLife International, 2024), spread across ~6521 ha. The productive mudflats of the creek are well-known for the huge congregation of the migratory birds, more than 200,000 individuals, especially flamingos and waders and thus is one of the critical wintering and staging sites for migratory waterbirds in the Central Asian Flyway. However, birds in the Thane Creek are facing threats from urbanization, infrastructure development, landfilling, sand mining,



increasing salinity, recreational activities, tourism, synanthropic species, mangrove incursion, solid waste dumping, and pollution (Prabhu et al., 2022).



Fig. 1. Google satellite map with proposed Airoli-Ghansoli link road (red line), including Thane Creek Ramsar and KBA site (yellow polygon), sampling sites/mudflats (white polygons) and key high tide waterbird roosting sites (blue polygons). Map source: Google Satellite Map.

Methodology

Thane Creek is a key site for migratory shorebirds and other waterbirds (Prabhu et al., 2022). 'Shorebirds' is a term specifically used for waders or birds belonging to the order Charadriiformes, however, we did not use the term in *sensu stricto*— here, the term also included migratory and non-migratory waterbird species— instead, we used it because our study site and focus bird species are associated with the shores. Thus, we used 'shorebirds' and 'waterbirds' interchangeably in this study.



We used the total count method for sampling waterbirds. The study area, i.e., mudflats of the east bank of the Thane creek adjacent to the link road, divided into four 1-km transects for shorebird counting (Fig. 1). All the sites were bound by the shallow creek on their west side and mangroves on the east side. **T-4 site:** It is located on the southern part of the study area with an area of ~42 ha and width of ~400m. **T-1 site:** This site is situated in the middle of a study area with an area of ~35 ha and width of 350m. **T-2 site:** This site is also located at middle of a study area with an area of ~15 ha and width of 150m. **T-3 site:** It is northernmost site with an area of nine ha and width of 80m.

The counts were taken during the lowest low tides because maximum shorebird populations were fed on the exposed mudflats and they spread in small flocks so counting become relatively easy. We have seen that the birds easily get scared by motorboats, but they acclimatized with small hand-rowed boats, hence, we used these boats for surveys. Each boat carried a researcher with a trained local boatman who rows the boat slowly along the water edge and even anchors it, if necessary, without disturbing the birds. Then, the researcher counted/estimated the waterbird species individuals using binoculars and spotting scope along with the auxiliary data.

The previous studies and our experience suggested that the migratory shorebirds in the Thane creek show distinct diversity and abundance during the three seasons autumn (August to November), winter (December to January) and spring (February to May). Thus, we clumped the autumn and winter season together considering seasonal peculiarities for meaningful insights and complying with the delivery of the six-monthly bird survey report as mandated by the PCCF. We counted shorebirds on 12 and 13 February 2024 (two temporal replicates) and 10 and 11 March 2024 for a six-monthly report from February to July 2024.

All data analysis was conducted in R (R Core Team 2024). We estimated the site-specific species richness and Shannon diversity index adopting Hill numbers in 'adiv' R package (Pavoine, 2020). The summary table of abundance was computed in 'pivottabler' R package (Bailiss, 2023). We used QGIS 3.34.15 (QGIS Development Team, 2025) for geospatial analysis and mapping.



Result and discussion

We recorded 34 species of waterbirds across all four sites during this spring survey (Appendix 1). Each site showed the variations in richness, composition and abundance of waterbirds.

Migration and Conservation status

The number of migratory waterbirds observed at different sites ranged from 13 to 18 species. Migratory waterbirds represent over 65% of the bird species recorded at each site. The highest number of migratory species were recorded at T-1 and T-3 sites. We also noted four to seven species of residential waterbirds at each site.

The T-1 site harbored the highest number of Vulnerable (VU) species (3 species), followed by site T-2 and T-4 sites, whereas T-3 site had one VU species. In contrast, the T-2 and T-4 sites had more number Near Threatened (NT) species—three species each (Fig 3; please refer to 'species abundance' and 'Threatened species' section for details).

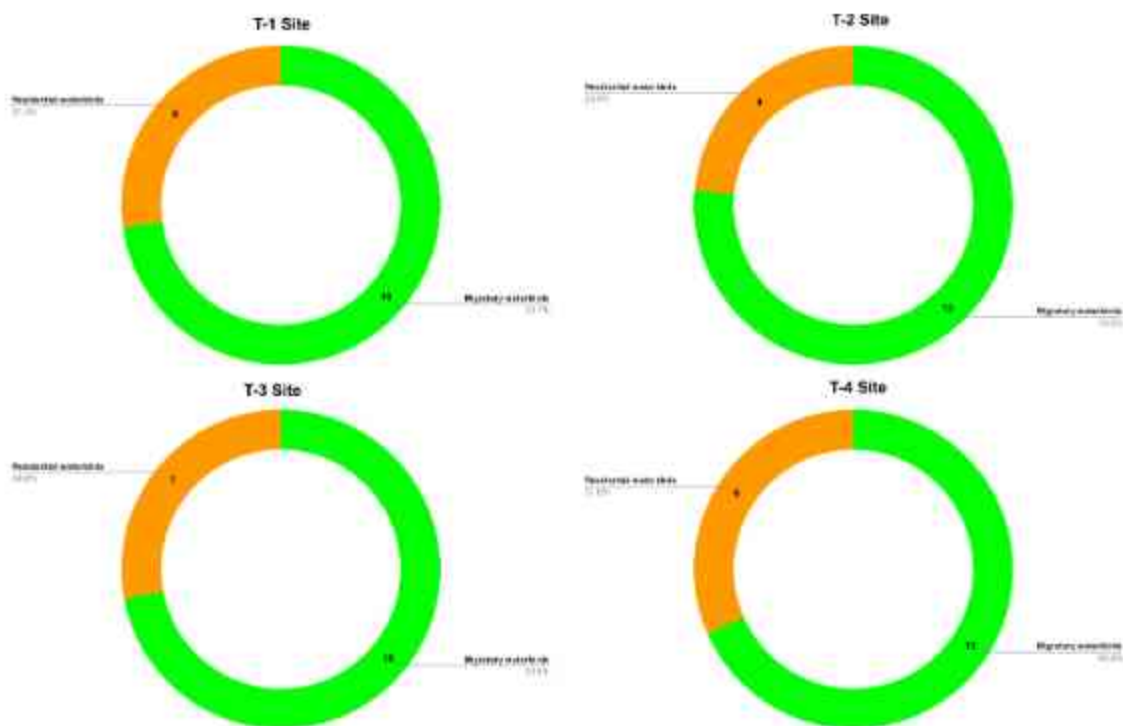


Fig. 2. Pie charts of the number of migratory and residential waterbird species were recorded at four different sites.

Pranayanku

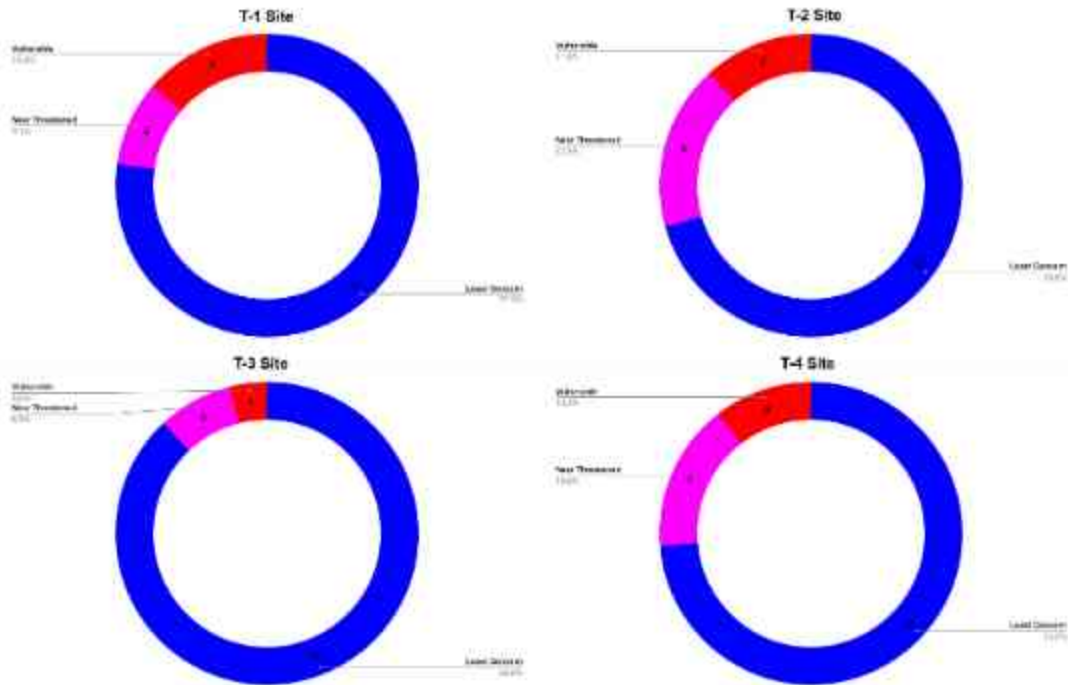


Fig. 3. Pie charts of threatened waterbird species were recorded at four different sites.

Species richness and diversity

Across all sites, species richness declines as the autumn season progresses. The highest number of waterbirds were recorded at T-3 site (17 species), while lowest were seen at T-2 site (4 species). Although the species richness is comparable across sites, T-3 site consistently supports more species than rest of the sites. (Fig. 4)

The Shannon diversity index also decreases as autumn advances. With maximum being reported at T-2 site (8.22) and lowest was noted at T-1 site (1.16). The T-3 site consistently harbors more diversity and showed a gradual decline with autumn progress, whereas T-2 site was relatively poor in diversity and exhibited considerable fluctuations in the diversity index. (See Fig. 5)

Pranav K V

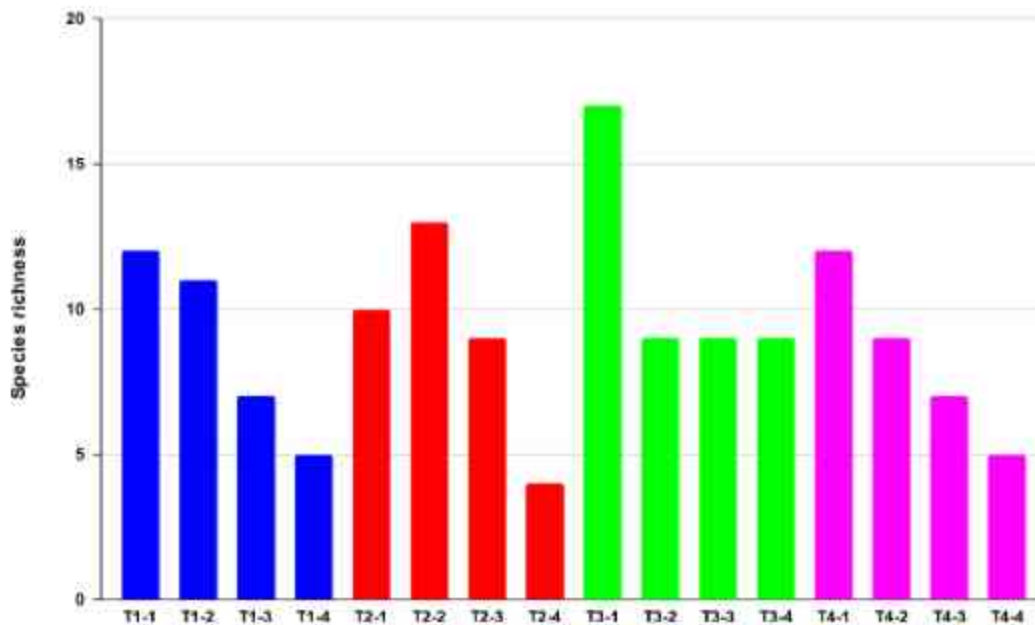


Fig. 4. Bar chart of species richness — estimated using Hill numbers ($q = 0$)—of waterbird species recorded at four different sites. T1-1 is a site T-1 samples on day 1 (14 October 2023), day2-15 October 2023, day3-10 January and day-4 11 January 2024.

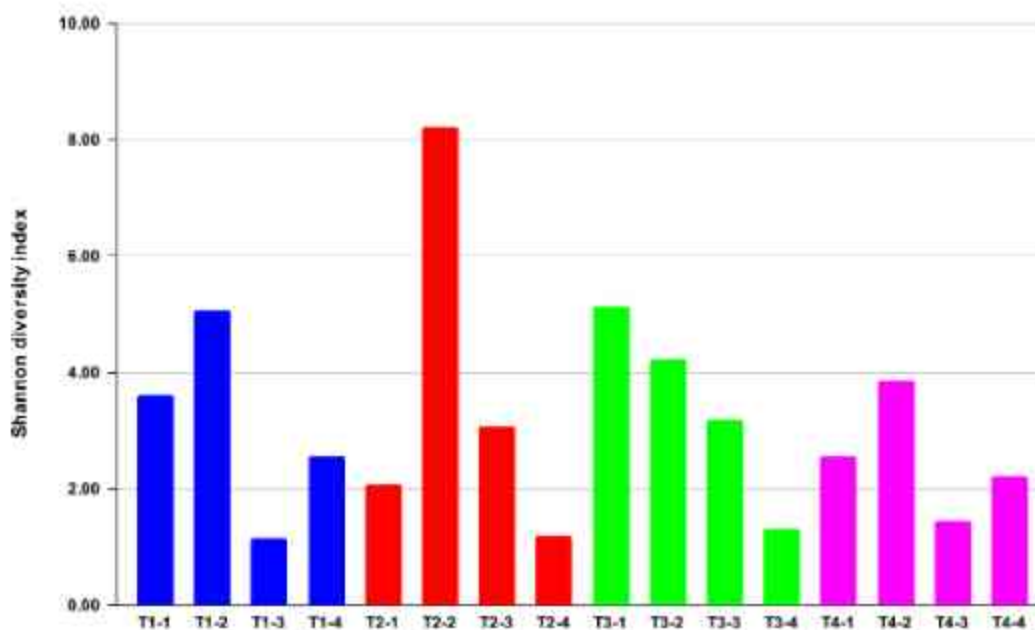
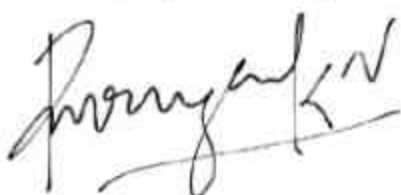


Fig. 5. Bar chart of Shannon diversity index—estimated using Hill numbers ($q = 1$), of waterbird species recorded at four different sites. T1-1 is a site T-1 samples on day 1 (14 October 2023), day2-15 October 2023, day3-10 January and day-4 11 January 2024.



Species abundance

In general, waterbird abundance was maximum at T-4 and T-1 sites, followed by T-2 and T-3. The Little Stint *Calidris minuta* and Lesser Flamingo *Phoeniconaias minor* were the most abundant species found across all the sites, with mean abundance over 1000 individuals at T-2 and T-4. Greater Flamingo *Phoenicopterus roseus* counts were high at T-1 and T-2 sites. Black-tailed Godwits (*Limosa limosa*) were notably abundant in autumn and spring; however, their numbers dropped sharply during this season. (Fig. 6)

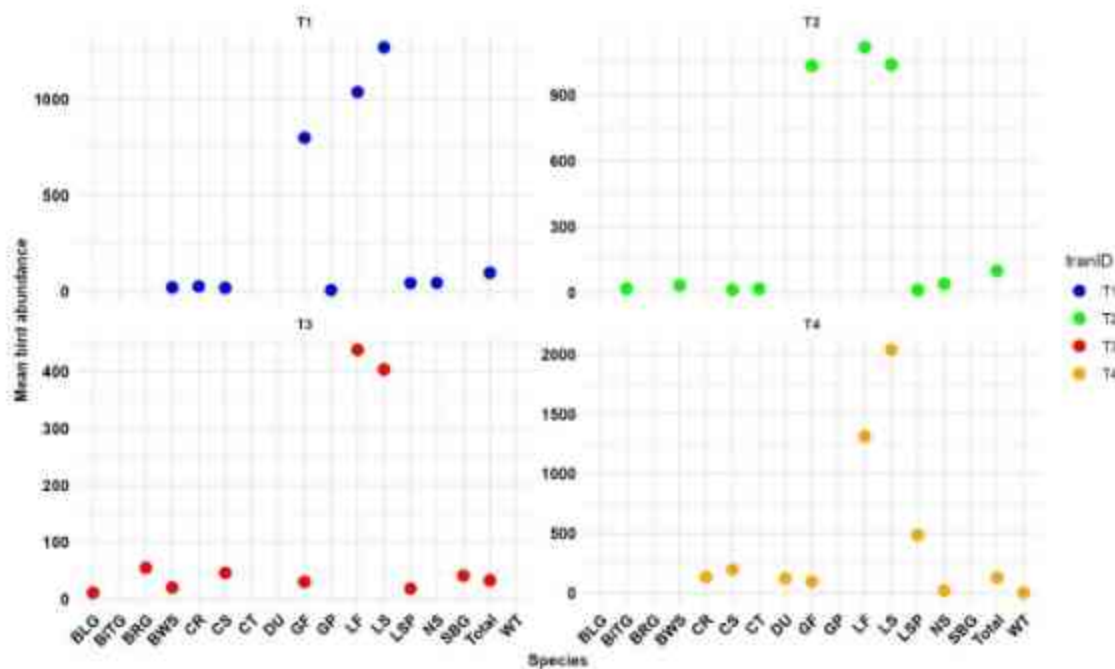


Fig. 6. Mean abundance plot of the 10 most abundant waterbird species were observed at four different sites. Please refer to the appendix for species abbreviations.

Threatened species

In total, seven threatened shorebird species recoded during this study, including three Vulnerable (VU) and four Near Threatened (NT) species.

Broad-billed Sandpiper *Calidris falcinellus* (VU)

Broad-billed Sandpiper *Calidris falcinellus* is a small winter migrant wader. Recently, it is classified as Vulnerable species by International Union for Conservation of Nature (IUCN) red



list of threatened species. At the T-1 and T-2 sites, six and eight individuals were reported, respectively.

Curlew Sandpiper *Calidris ferruginea* (VU)

Curlew Sandpiper *Calidris ferruginea* is also a small migratory wader, winters in India. This species was recently elevated from Near Threatened to Vulnerable. Although the species was found at all the sites, more abundant at T-3 and T-4 where more than 100 individuals were spotted at two different sampling occasions.



Plate 1. Curlew Sandpiper *Calidris ferruginea* on the mudflats of the Thane Creek.

Black-bellied Plover *Pluvialis squatarola* (VU)

Black-bellied Plover *Pluvialis squatarola* is small winter migrant wader. This species has been recently reclassified as Vulnerable, upgrading from its previous Least Concern status. The species was observed at T-1 and T-4 site during this study, ranging from one to 13 individuals.

Black-tailed Godwit *Limosa limosa* (NT)

Black-tailed Godwit *Limosa limosa* is a medium-sized winter migrant. The wader species is treated as NT. Except for T-4, individuals were seen at all sites, but their numbers remained below 100 during each sampling occasion.





Plate 2. Black-tailed Godwit *Limosa limosa* feeding in the Thane Creek.

Dunlin *Calidris alpina* (NT)

Dunlin *Calidris alpina* is a small winter migrant wader. This species was recently elevated from Least Concern to NT. We observed this species at T-2 and T-4 sites during a survey.

Eurasian Curlew *Numenius Arquata* (NT)

Eurasian Curlew *Numenius Arquata* is a large winter migrant. This wader has been a NT since 2008. Only two individuals were seen at T-4 during this study.

Lesser Flamingo *Phoeniconaias minor* (NT)

Lesser Flamingo *Phoeniconaias minor* is a large waterbird. The recent evidence suggests that the flamingos visiting in winter and summer in the Thane Creek are migrate from Gujarat. This species has been classified as NT since 2004. Their abundance increased compared to the autumn and winter surveys, with more than 1,000 individuals observed at each site during any sampling occasion.

Pranav K V



Plate 3. The flocks of Greater and Lesser Flamingo foraging on the mudflats of the Thane creek.



Plate 4. A flock of Lesser Flamingos foraging with a mixed flock of waders in Ghansoli Channel.

Pranay K N

Precautions should be taken during link road construction

- Dumping debris/garbage/oil/chemicals in the surrounding habitat must be avoided.
- Do not obstruct the water channel, which may cause excessive flooding or drying of the habitat, that can negatively affect the birds.
- Reduce the noise during construction.
- Special care should be taken during high tide and autumn (August to November) and spring (March to May) when migratory waterbirds congregate.
- If construction activities are carried out at night, use warm colour LED lights with low wattage, reducing the brightness or intensity of light and is bird-friendly. Whenever there is no construction, switch off the lights and try to curtail light pollution.
- Keep the bridge under construction free of threads, thin ropes, cables or wires, mesh, nets and plastic, as birds may entangle, get injured and die.
- Don't feed birds or throw food in the bird habitat.

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A handwritten signature in black ink, appearing to read "Pranay Kumar".

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Appendix 1. Abundance summary table of the waterbirds recorded at four different sites during this study, including their IUCN Red List of Threatened Species status and migrating (Mig) or residential (Res.).

Abbreviations: LC=Least Concerned, NT=Near Threatened, V=Vulnerable, R=Residential and M=Migratory, SD=Standard Deviation, Med=Median, Min.=Minimum, Max.=Maximum, n=number of surveys.

Abbr.	Common name	Scientific name	IUCN Status	Mig./Res.	T1						T2						T3						T4					
					Mean	Median	SD	Min	Max	n	Mean	Median	SD	Min	Max	n	Mean	Median	SD	Min	Max	n	Mean	Median	SD	Min	Max	n
BBS	Broad-billed Sandpiper	<i>Calidris falcinellus</i>	VU	M	1.5	0	3	0	6	4	2	0	4	0	8	4	0	0	0	0	0	4	0	0	0	0	0	4
BHI	Black-headed Ibis	<i>Threskiornis melanocephalus</i>	LC	R	1.75	1.5	2.06155	0	4	4	3.75	2.5	3.59398	1	9	4	2.75	3	2.21736	0	5	4	0.75	0.5	0.95743	0	2	4
BLG	Black-headed Gull	<i>Chroicocephalus ridibundus</i>	LC	M	0	0	0	0	0	4	0	0	0	0	0	4	11.25	0	22.5	0	45	4	0	0	0	0	0	4
BRG	Brown-headed Gull	<i>Chroicocephalus brunnicephalus</i>	LC	M	3.5	2.5	4.3589	0	9	4	1.5	1	1.91485	0	4	4	55	27.5	77.7817	0	165	4	0.25	0	0.5	0	1	4
BWS	Black-winged Stilt	<i>Himantopus himantopus</i>	LC	R	20	7.5	30.8221	0	65	4	32.25	24.5	38.526	0	80	4	20.5	14.5	24.5561	1	52	4	0.5	0	1	0	2	4
BITG	Black-tailed Godwit	<i>Limosa limosa</i>	NT	M	3.25	0	6.5	0	13	4	18	6.5	27.8687	0	59	4	10.75	12	8.53913	0	19	4	0	0	0	0	0	4
CGr	Common Greenshank	<i>Tringa nebularia</i>	LC	M	0	0	0	0	0	4	0	0	0	0	0	4	1.5	0.5	2.38048	0	5	4	0	0	0	0	0	4
CR	Common Redshank	<i>Tringa totanus</i>	LC	M	25	0	50	0	100	4	7.75	10	5.18813	0	11	4	9.5	5.5	11.3871	1	26	4	135	10	256.84	0	520	4
CS	Curlew Sandpiper	<i>Calidris ferruginea</i>	VU	M	17.5	15.5	20.4695	0	39	4	12	1.5	22.0454	0	45	4	46.25	5	85.9627	0	175	4	196.25	59.5	314.675	0	666	4
CSA	Common Sandpiper	<i>Actitis hypoleucos</i>	LC	M	0.5	0	1	0	2	4	1	0	2	0	4	4	1.75	0	3.5	0	7	4	0	0	0	0	0	4
CT	Green-winged Teal	<i>Anas crecca</i>	LC	M	0	0	0	0	0	4	16.5	0	33	0	66	4	9.5	0	19	0	38	4	0	0	0	0	0	4
DU	Dunlin	<i>Calidris alpina</i>	NT	M	0	0	0	0	0	4	2.5	0	5	0	10	4	0	0	0	0	0	4	122.5	0	245	0	490	4
EC	Eurasian Curlew	<i>Numenius arquata</i>	NT	M	0	0	0	0	0	4	0	0	0	0	0	4	0	0	0	0	0	4	0.5	0	1	0	2	4
GBT	Gull-billed Tern	<i>Gelochelidon nilotica</i>	LC	M	0.5	0	1	0	2	4	0	0	0	0	0	4	0	0	0	0	0	4	0	0	0	0	0	4
GF	Greater Flamingo	<i>Phoenicopterus roseus</i>	LC	M	799.25	450	1084.9	0	2297	4	1033	25	2032.8	0	4082	4	30.25	12	45.9157	0	97	4	96	1	190.669	0	382	4
GH	Gray Heron	<i>Ardea cinerea</i>	LC	R	1	1	1.1547	0	2	4	1.25	1	1.5	0	3	4	0.5	0	1	0	2	4	0.75	0	1.5	0	3	4
GP	Black-bellied Plover	<i>Pluvialis squatarola</i>	VU	M	5.75	5	6.75154	0	13	4	0	0	0	0	0	4	0	0	0	0	0	4	0.25	0	0.5	0	1	4
HG	Lesser Black-backed Gull	<i>Larus fuscus</i>	LC	M	0	0	0	0	0	4	0	0	0	0	0	4	5.25	0	10.5	0	21	4	0	0	0	0	0	4
IE	Medium Egret	<i>Ardea intermedia</i>	LC	R	0.5	0	1	0	2	4	0	0	0	0	0	4	0	0	0	0	0	4	0.25	0	0.5	0	1	4
IPH	Indian Pond-Heron	<i>Ardeola grayii</i>	LC	R	0.5	0	1	0	2	4	0.25	0	0.5	0	1	4	1	0.5	1.41421	0	3	4	1.25	1	1.5	0	3	4
LE	Little Egret	<i>Egretta garzetta</i>	LC	R	0.5	0	1	0	2	4	0	0	0	0	0	4	0.5	0	1	0	2	4	1.25	1	1.5	0	3	4
LF	Lesser Flamingo	<i>Phoeniconaias minor</i>	NT	M	1037.25	750	1286.29	0	2649	4	1117	718	1445.03	0	3032	4	438	276.5	570.39	0	1199	4	1313.75	172.5	2403.01	0	4910	4
LS	Little Stint	<i>Calidris minuta</i>	LC	M	1270	656	1526.29	240	3528	4	1038.25	147.5	1843.87	55	3803	4	403.5	382	461.832	0	850	4	2038.5	2242	1706.27	30	3640	4
LSP	Tibetan Sand-Plover	<i>Anarhynchus atrifrons</i>	LC	M	43.25	17	65.8148	0	139	4	10.25	10	11.8427	0	21	4	18.75	0	37.5	0	75	4	488.75	112.5	834.27	0	1730	4
MS	Marsh Sandpiper	<i>Tringa stagnatilis</i>	LC	M	0	0	0	0	0	4	0	0	0	0	0	4	0.75	0	1.5	0	3	4	0	0	0	0	0	4
NS	Northern Shoveler	<i>Spatula clypeata</i>	LC	M	44.25	10.5	75.1548	0	156	4	39	23	52.0641	0	110	4	5	0	10	0	20	4	21	13.5	27.1662	0	57	4
PA	Pied Avocet	<i>Recurvirostra avosetta</i>	LC	M	0.75	0	1.5	0	3	4	0	0	0	0	0	4	0	0	0	0	0	4	0	0	0	0	0	4
PG	Pallas's Gull	<i>Ichthyophaga ichthyophaga</i>	LC	M	0	0	0	0	0	4	0	0	0	0	0	4	0	0	0	0	0	4	0.25	0	0.5	0	1	4
SBG	Slender-billed Gull	<i>Chroicocephalus genei</i>	LC	M	0.25	0	0.5	0	1	4	0	0	0	0	0	4	41.25	40	47.6751	0	85	4	0	0	0	0	0	4
SG	Lesser Black-backed Gull	<i>Larus fuscus barabensis</i>	LC	M	0	0	0	0	0	4	0	0	0	0	0	4	1.25	0	2.5	0	5	4	0	0	0	0	0	4
TS	Terek Sandpiper	<i>Xenus cinereus</i>	LC	M	0.25	0	0.5	0	1	4	0	0	0	0	0	4	0	0	0	0	0	4	0	0	0	0	0	4
WRE	Western Reef-Heron	<i>Egretta gularis</i>	LC	R	0	0	0	0	0	4	0	0	0	0	0	4	0.75	0	1.5	0	3	4	0	0	0	0	0	4
WT	Whiskered Tern	<i>Chlidonias hybrida</i>	LC	M	0	0	0	0	0	4	0	0	0	0	0	4	0.75	0	1.5	0	3	4	3.25	1.5	4.71699	0	10	4
WTK	White-throated Kingfisher	<i>Halcyon smymensis</i>	LC	R	0	0	0	0	0	4	0	0	0	0	0	4	0.25	0	0.5	0	1	4	0	0	0	0	0	4



Company Profile

Sr. No	Particulars	Details
1	Company Name	Srushti Conservation Foundation
2	Address	Chinar Heights, Office No. 2, Lane No.5, Survey No: 31+32/9, PRABHAT RD, Pune City, Pune, Maharashtra, 411004
3	Website	www.the-scf.org
4	Email	director@the-scf.org dydirector@the-scf.org
5	Phone/Fax	+917972948094
6	Registration No	U85300PN2021NPL197577
7	PAN No	ABFCS2409E
8	TAN No	PNES71102D
9	GSTN	27ABFCS2409E1ZK
10	MSME Registration No	UDYAM-MH-26-0263053
11	12A Certificate Number	ABFCS2409EE20206
12	80G Certificate Number	ABFCS2409EF20221
13	CSR 1 No:	CSR00070377
14	Bank Details	Bank Name: ICICI Bank, Branch Name: Kothrud Branch, Pune Account Number: 033805007944 Bank Branch IFSC: ICIC0000338




About Company

The Srushti Conservation Foundation (SCF) is a Section 8 Not for profit start-up established in January 2021. Highly qualified team of SCF carries with it over four decades of experience in the space on ecosystem, biodiversity and sustainability across landscapes and seascapes of India.

SCF primarily aims to promote and undertake research-based biodiversity and ecosystem conservation and restoration of habitats, ecosystem-based adaptation, climate change mitigation and education, Agro-biodiversity and provide sound scientific knowledge for environmentally sustainable economic development. As India marches ahead in its quest for development and nation building, conservation of the natural environment remains a major challenge as well as an opportunity.

In the true spirit of sustainable development, SCF is committed to continue its conservation mission with a professional approach and strong research background, while closely working with various stakeholders including government, research institutes, academia, corporates, civil society groups and the public. SCF clearly perceives crucial issues affecting nature such as biodiversity loss,

deforestation, degradation of habitats, coastal erosion and species extinction, and the increasing disconnect of the rising urban population with nature. In this context, SCF endeavours to work in line with its mission, which is also aligned with the Sustainable Development Goals (SDG) set up by the Convention on Biological Diversity (CBD), and other relevant international conventions and agreements.

The SCF focuses on fundamental assumptions namely ecological, social, economic, policy level and technological innovations. The SCF primarily focuses on participatory conservation of marinescapes, landscapes, climate change, threatened and endangered species. Under these broad themes, SCF envisages a holistic approach for the conservation of biodiversity of the country. For further details visit: <https://the-scf.org/main/>

Our Partners and Funders



Pranay Kumar



Annexure – IV

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

CRZ- 2021/CR-16/SEIAA
Environment & Climate Change Department
Room No. 217, 2nd Floor, Mantralaya,
Mumbai- 400032.
Date: 14.02.2023

To
Municipal Commissioner,
Navi Mumbai Municipal Corporation
Ground Floor, Sector-15 A,
Palm Beach Junction, CBD Belapur,
Navi Mumbai- 400614

Sub: CRZ Clearance for Proposed development of RCC Bridge from Ghansoli to Airoli by Navi Mumbai Municipal Corporation (NMMC).

Ref: 255th meeting (Day-3) of SEIAA held on 14th December, 2022

This has reference to your communication on the above mentioned subject. The proposal was considered, by the Maharashtra Coastal Zone Management Authority (MCZMA) in its 159th meeting held on 28th June 2022 and recommended the proposal for CRZ Clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 255th meeting (Day-3) of SEIAA held on 14th December, 2022.

2. It is noted that the proposal is considered by Maharashtra Coastal Zone Management Authority as per CRZ Notification, 2011.

3. Brief Information of the project is as below:-

The proposal was considered in 159th meeting of MCZMA held on 28.06.2022. Navi Mumbai Municipal Corporation has proposed development of RCC Bridge from Ghansoli to Airoli, Navi Mumbai. It involves construction of segmental bridge over length of 3.05 km with 6 lane divided carriageway. It further merges into proposed four Lane Bridge ending at chainage 3+050 connecting existing road near sector 14 of Airoli. The road on embankment continues into 6 lane bridge and ends at chainage 2+850 connecting Mulund-Airoli bridge with required interchanges. The project involves construction of bridge in mangrove area along east bank of Thane creek over length of 1.05 km.

As per approved CZMP, the project falls in CRZ -I (A) & II areas. The project involves construction of bridge in mangrove area along east bank of Thane creek over length of 1.05 km. As per approved CZMP, the project falls in CRZ -I (A) & II areas. The PP has submitted the Rapid EIA / EMP for the project. The PP presented that appropriate measure are planned in order to minimize the impact of the project on marine ecology, mangrove and flamingos in the airoli creek.

The proposal was earlier deliberated in 152nd, 154th and 158th meeting of MCZMA held on 16.02.2021, 15.04.2021 and 25.5.2022 respectively.

As per the decision of the MCZMA in the said meetings, reports were received from the NMMC and Mangroves Cell.

1) NMMC Report:-

The NMMC vide letter dated 17.2.2021 submitted its report. The report states as follows:

Temporary impact: The total 15 m of ROW will be required for construction purpose.

Mangroves under this are will be affected temporarily. Permanent Impact: There will be 25 nos of piers for which the mangrove will be affected permanently.

	Mangrove area (Sq.m)	Nos of mangrove
Temporary impact	10,125	2640
Permanent Impact	2025	810
Total	12150	3540

The embankment was a part of CIDCO development for sector 10A of Airoli or peripheral road. It is understood that this was done 20 years back.

2) Mangrove Cell Report:

The Mangrove cell vide letter dated 26.03.2021 submitted its report. As per the report, the site visit was done at proposed site on 08.03.2021 & following observation was made during the site visit.

- 1) The proposed bridge is constructed from Ghansoli sector 14 to sector 10 A and the GPS regarding are.
 - 19 07 32.63N 72 59 20.88E (Ghansoli)
 - 19 09 3.16N 72 59 11.93E (Airoli)
- 2) The proposed bridge is passing through Reserve Forest (Mangrove) villages Dive survey no. 150A, Talvali survey no. 195, Navi Mumbai survey no. 184 and Ghansoli survey no. 109. Approximately 4ha. forest area will be affected due to the proposed project.
 - Total number of mangroves affected will be approximately 5,500 to 6000 trees which fall in the alignment of the proposed bridge. However, approximately 1000 mangroves will be cut for the purpose of construction of piers (25 numbers).
 - Part of bridge and embankment is passing through 50m buffer zone of Reserve mangrove forest (Dive village S. N. 150A)
 - As the proposed project is an important public infra project to improve connectivity in Navi Mumbai region, it is recommended by the mangrove cell on the condition that PP has to obtain necessary permission under FCA 1980 and also from the Hon'ble High Court.

The Authority in the earlier meetings noted that as per the report of the mangrove cell, total number of mangroves affected will be approximately 5,500 to 6000 trees which fall in the alignment of the proposed bridge. However, approximately 1000 mangroves will be cut for the purpose of construction of piers. Taking into the order dated 18th Sep, 2018 in PIL 87/2006 by Hon'ble High Court, which bars the construction in mangroves area except in public interest project, the Authority after deliberation decided that NMMC need to submit the explicit note on the public interest involved in the project to the MCZMA. Accordingly, the matter was deferred for the want of above said information from the NMMC. Accordingly, the NMMC vide letter dated 15.04.2021 submitted a note. Further, following the decision of the MCZMA in its 158th meeting, the NMMC vide letter dated 13.6.2022 submitted the mangrove plantation plan.

The Authority discussed that the PP should make active efforts to minimize impact on mangroves in order to have lesser temporary loss of mangroves during construction phase of the activity. Mangroves cutting should be restricted to bare minimum. Spacing between pillars of bridge should be designed in such a way that it will have minimum footprint in the mangroves area. Adequate Culverts/ channels should be provided at appropriate locations while constructing approach road so as to ensure the free movement of the tidal water in the mangrove vegetation.

The Authority noted that as per para 8.I. CRZ I (ii) (g) of the CRZ Notification, 2011, construction of roads on stilts or pillars without affecting the tidal flow of water is a permissible activity.

Further, as per amended CRZ Notification dated 28th November, 2014 published by MoEF, For the projects specified under 4(i)(except with respect to item (d) thereof relating to building projects with less than 20,000 sqm of built up area) and for the projects not attracting EIA Notification, 2006, clearance from SEIAA is required based on the recommendation from MCZMA.

In the light of above, the Authority after detailed discussion and deliberation decided to recommend the proposal to SEIAA subject to strict compliance of following conditions:

1. The proposed Ghansoli to Airoli Bridge should be carried out strictly as per the provisions of CRZ Notification, 2011 as amended from time to time and with a commitment of protection and conservation of coastal environment.
2. PP should strictly ensure that mangroves cutting should be restricted to bare minimum. Spacing between pillars of bridge should be designed in such a way that it will have minimum footprint in the mangroves area. Adequate Culverts/ channels should be provided at appropriate locations while constructing approach road so as to ensure the free movement of the tidal water in the mangrove vegetation
3. PP should make active efforts to minimize impact on mangroves in order to have lesser temporary loss of mangroves during construction phase of the activity.
4. PP to obtain the prior High Court permission since, the project involve cutting of the mangroves.
5. PP to obtain the Forest clearance under Forest (Conservation) Act, 1980.
6. PP to obtain the NoC from the mangrove cell. Compensatory afforestation of the mangroves should be carried out with the help of the Forest Department.
7. Construction debris and dredged material should not be disposed of in the mangrove area & creek water to avoid any adverse impact on mangroves and marine water quality.
8. Debris generated during the project activity should not be dumped in CRZ area. It should be processed scientifically at a designated place.
9. PP to ensure that best industrial practices should be followed for fire safety measures and for conservation of coastal environment
10. PP to install the Sewage Treatment plant (STP) for the treatment of the waste water treatment.
11. Project proponent should implement Mitigation measures and Environment Management plan as stipulated in the EIA report, effectively and efficiently in letter and spirit during construction and operational phase of the project to ensure that coastal environment is protected.
12. All other required permissions from different statutory authorities should be obtained prior to commencement of work.

4. During the meeting PP presented that, proposal is for development of RCC Bridge from Ghansoli to Airoli by Navi Mumbai Municipal Corporation (NMMC). It involves construction of segmental bridge over length of 3.05 km with 6 lane divided carriageway. As per approved CZMP, the project falls in CRZ -I (A) & II areas. The project involves construction of bridge in mangrove area along east bank of Thane creek over length of 1.05 km. PP further submitted that, Forest Clearance was obtained under Forest (Conservation) Act, 1980. SEIAA observed that, as per the report of the mangrove cell, total number of mangroves affected will be approximately 5,500 to 6000 trees which fall in the alignment of the proposed bridge. However, approximately 1000 mangroves will be cut for the purpose of construction of piers. Prior High Court permission should be obtained from the High Court, since project activities falls within mangroves, as per Hon'ble High Court order dated 17th September, 2018 in PIL 87/2006.

5. The proposal has been considered in 255th meeting (Day-3) of SEIAA held on 14th December, 2022 & decided to accord CRZ Clearance to project proponent under the provisions of Environment Impact Assessment Notification, 2006 & CRZ Notification 2011 subject to implementation of the following terms and conditions:

Specific Conditions:

- I. The proposed Ghansoli to Airoli Bridge should be carried out strictly as per the provisions of CRZ Notification, 2011 as amended from time to time and with a commitment of protection and conservation of coastal environment.
- II. PP should strictly ensure that mangroves cutting should be restricted to bare minimum. Spacing between pillars of bridge should be designed in such a way that it will have minimum footprint in the mangroves area. Adequate Culverts/ channels should be provided at appropriate locations while constructing approach road so as to ensure the free movement of the tidal water in the mangrove vegetation
- III. PP should make active efforts to minimize impact on mangroves in order to have lesser temporary loss of mangroves during construction phase of the activity.
- IV. PP to obtain the prior High Court permission since, the project involve cutting of the mangroves.
- V. PP to obtain the Forest clearance under Forest (Conservation) Act, 1980.
- VI. PP to obtain the NoC from the mangrove cell. Compensatory afforestation of the mangroves should be carried out with the help of the Forest Department.
- VII. Construction debris and dredged material should not be disposed of in the mangrove area & creek water to avoid any adverse impact on mangroves and marine water quality.
- VIII. Debris generated during the project activity should not be dumped in CRZ area. It should be processed scientifically at a designated place.
- IX. PP to ensure that best industrial practices should be followed for fire safety measures and for conservation of coastal environment
- X. PP to install the Sewage Treatment plant (STP) for the treatment of the waste water treatment.
- XI. Project proponent should implement Mitigation measures and Environment Management plan as stipulated in the EIA report, effectively and efficiently in letter and spirit during construction and operational phase of the project to ensure that coastal environment is protected.

- XII. All other required permissions from different statutory authorities should be obtained prior to commencement of work.
- XIII. This is only CRZ Clearance.

General Conditions:

- I. The SEIAA reserves the right to revoke this recommendation, if the conditions stipulated are not complied with to the satisfaction of the MCZMA or Environment Department.
 - II. The SEIAA or any other competent authority, may stipulate any additional conditions subsequently, if deemed necessary, for environmental protection, which shall be complied with
 - III. A copy of the recommendation letter shall be marked to the concerned local body/ local NGO, if any, from whom any suggestion/ representation has been received while processing the proposal
 - IV. The environmental safeguard measures should be implemented in letter and spirit
 - V. The Clearance from CRZ point of view is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act
6. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the CRZ Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.
7. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
8. The clearance accorded to the project under CRZ notification shall be valid for a period of seven years from the date of issue of such clearance: Provided that the construction activities shall commence within a period of five years from the date of the issue of clearance and the construction be completed and the operations be commenced within seven years from the date of issue of such clearance.
9. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
10. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

11. Any appeal against this CRZ Clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



Pravin Darade

(Member Secretary, SEIAA)

Copy to:

1. Chairman, State Environment Impact Assessment Authority, Maharashtra, Mumbai.
2. Secretary MoEF & CC, Government of India, Ministry of Environment, Forests & Climate Change, Indira Paryavaran bhavan, Jor Bagh Road, New Delhi - 110 003.
3. Director, IA- Division MoEF & CC. Coastal Zone Regulation, Government of India, Ministry of Environment, Forests & Climate Change, Indira Paryavaran bhavan, Jor Bagh Road, New Delhi - 110 003.
4. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
5. Regional Office, MoEF & CC, Nagpur.
6. District Collector, Thane
7. Regional Officer, Maharashtra Pollution Control Board, Thane