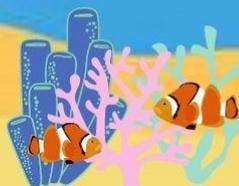




Integrated Annual Report of Mangrove and Marine Biodiversity Conservation Foundation of Maharashtra (Mangrove Foundation) Financial Year 2015-16 to 2019-20



TARANG



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Image Source: Mangrove Foundation photo bank

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Uddhav Balasaheb Thackeray

**Chief Minister
Maharashtra**



**Mantralaya
Mumbai-400 032**

Message



The state of Maharashtra is bestowed with a wide range of habitats and ecosystem types ranging from the tropical dry deciduous forests in Nagpur to the dense mangroves of Sindhudurg. In the past few years mangroves have made it to limelight for the ecosystem services they provide and the most important one of all that, they are our protectors against the tsunamis and storm surges. The mangroves of Maharashtra have stood strong against the *Nisarg* cyclone that hit Maharashtra's coast in June 2020; one cannot envisage the damage this cyclone would have cost in the absence of these courageous mangroves. These mangroves have proven themselves more than a few times and the only token of gratitude they expect is we let them live.

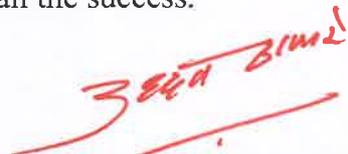
The extraordinary work of the Mangrove Cell, Maharashtra Forest Department and the Mangrove Foundation has led Maharashtra to an astounding 44% rise in the State's mangrove forests between 2015 and 2019 and I am delighted to say that, 'this is the highest rate of increase across India'.

Similar feats have been achieved when it comes to protecting and conserving the marine animals of Maharashtra. The joint compensation scheme implemented by the Mangrove Foundation and State Fisheries Department is playing a crucial role in protecting all the marine animals listed under the Wildlife (Protection) Act, 1972 of the Indian Constitution. Species such as sea turtles, dolphins, whale sharks and many more denizens are now getting enhanced protection. The participation of the fishermen community in this scheme is worth acknowledging.

It is at this very moment that the marine animal conservation in Maharashtra is at its peak. Several capacity building workshops are being conducted throughout the coastal districts which include nest relocation of sea turtles to a protected hatchery and the hatchlings are being safely released into the sea every year.

The washed ashore sea turtles, whales, dolphins etc. are promptly reported by a network of Marine Respondents who are working voluntarily towards a greater cause. Furthermore, these reported species will be receiving appropriate medical attention with the newly established transit and treatment centre at the Coastal and Marine Biodiversity Centre, Airoli.

I congratulate the Mangrove Cell and the Mangrove Foundation for safeguarding the coastal and marine wealth of Maharashtra and wish them all the success.


(Uddhav Balasaheb Thackeray)



सत्यमेव जयते

Sanjay Dulichand Rathod
Minister
Forest, Earthquake Rehabilitation
Government of Maharashtra



Message

‘Sustainable living cannot be taught, it has to be learned from personal experiences and self-realizations’, having said that the specialized team of Mangrove and Marine Biodiversity Conservation Foundation of Maharashtra jointly with the Government of Maharashtra are striving towards implementation of sustainable livelihood activities over the entire coastline of Maharashtra. The scheme of ‘Mangrove Conservation and Livelihood Generation’ initiated in 2017 with the aim of up-scaling the aquaculture activities such as mud crab farming, oyster and mussel farming, nursery rearing and cage culture of Asian sea bass and other fishes throughout coastal Maharashtra has now grown considerably. It is yielding exceptional results, around Rs. 20 lakhs worth of revenue was generated by the villagers of Palghar, Thane, Raigad, Ratnagiri and Sindhudurg from this scheme.

However, the success of this scheme cannot be measured by the amount of revenue generated but by the fact that this scheme has brought about a behavioural change in the villagers, it has changed their outlook towards mangroves. Now that the people have realised the importance of mangroves through this scheme, they protect the mangroves, volunteer for mangrove clean-up activities, participate in mangrove seed collection and help spread word about this scheme.

This in true sense can be called as ‘Community based conservation of Mangroves’

I am extremely pleased that all the initiatives taken by the Mangrove Foundation for coastal and marine biodiversity conservation in Maharashtra are being published in the form of this ‘Integrated Annual Report’ and I wish the Mangrove Foundation all the very best in their future endeavours.

(Sanjay Rathod)



Shri. Dattatray V. Bharane

राज्यमंत्री/सा.बां., मृद व जलसंयोजन, कृषि,
प.दु.म., सा.प्र./नोट/794/2020

**MINISTER OF STATE
PUBLIC WORKS (EXCLUDING
PUBLIC UNDERTAKINGS), SOIL
AND WATER CONSERVATION,
FORESTS, ANIMAL HUSBANDRY,
DAIRY DEVELOPMENT AND
FISHERIES, GENERAL
ADMINISTRATION
MAHARASHTRA STATE
Mantralaya, Mumbai 400 032
www.maharashtra.gov.in**

Date : 11 AUG 2020

Message



Since the inception of Mangrove and Marine Biodiversity Conservation Foundation of Maharashtra in 2014, it has been making concerted efforts not only for conservation of mangroves of the state but also for preservation of the amazing biological wealth of the coastline of Maharashtra. Several pioneering works commissioned by the Mangrove Cell and the Mangrove Foundation have helped us in deepening our understanding of mangroves, coastal, birds, turtles, dolphins, finless porpoises, whales, corals and associated flora and fauna.

The declaration of the Thane Creek Flamingo Sanctuary is a significant step towards conservation as the impenetrable mangrove forest here is home to a reservoir of rich diversity of flora and fauna. Often called a birders' paradise, the creek has been designated as an Important Bird and Biodiversity Area. Additionally, the state-of-the-art nature information centre on the bank of this sanctuary is proving as an excellent tool for raising awareness about the coastal and marine biodiversity of Maharashtra.

Likewise, introduction of sustainable livelihood practises in various coastal districts of Maharashtra is the beginning of new era; where we shift people from traditional aquaculture techniques to modern day methods for better yields.

This report is an excellent compilation of all the activities conducted by Mangrove Foundation throughout Maharashtra. I congratulate Mangrove Foundation and wish them all the luck in the future.


(Dattatray V. Bharane)

Message

Shri. Milind Mhaiskar

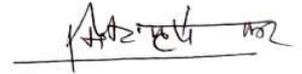
Principal Secretary (Forests),
Revenue and Forest Department Maharashtra
Government of Maharashtra



The Hon'ble High Court of Bombay issued a landmark judgment on 6th October 2005 to save the mangroves of Maharashtra coast. This judgment mandated that mangroves on government land be declared as Protected Forests and those on private lands, as "Forests". This was the very first and a huge step towards protection of mangrove ecosystems. The formation of Mangrove Cell and the Mangrove Foundation served to fill several gaps in the way of nature conservation as both the entities have achieved several milestones in a very span of time.

The Government of Maharashtra in 2017 launched a scheme of 'Mangrove Conservation and Livelihood Generation'. I am pleased to state that today 107 villages from Palghar, Thane, Raigad, Ratnagiri, and Sindhudurg districts are part of this scheme and it not only manifests community based conservation of mangroves but also the spreads the awareness on sustainable practises.

Over the past decade, mangroves have made a significant mark on the map of Maharashtra. There has been a rapid increase in the mangrove enthusiasts and mangrove activists, and hence we decided to add a mangrove grievance section on our 24x7 toll free number (1926), a state-wide call centre facility to lodge complaints or get information about issues related to forests and wildlife. This was followed by establishment of a dedicated website (www.konkanmangroves.com) for reporting incidents pertaining to mangroves. Furthermore, the Mangrove Cell and Mangrove Foundation are also working with the corporate sector for restoring multiple degraded mangrove patches throughout Maharashtra and I congratulate their entire team for the splendid work they are doing to further our cause of protection and conservation of mangroves



(Milind Mhaiskar)



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

'Vanbhavan', Ramgiri Road, Civil Lines, Nagpur-440 001

**Dr. N. Rambabu, IFS
Principal Chief Conservator of Forests (H.O.F.F.)
Government of Maharashtra**



Message

Maharashtra is the third largest state in India, with an area of 307,690 sq. km, constituting 9.36% of India's total geographical area. Geographically, historically, and politically, Maharashtra has five major regions: (i) Vidarbha (Nagpur and Amravati divisions) (the Old Berar Region); (ii) Marathwada (Aurangabad Division); (iii) Khandesh and Northern Maharashtra Region (Nashik Division); (iv) Pune (Pune Division and West Maharashtra); and (v) the Konkan (Konkan Division). The Konkan division covers the entire coastline of Maharashtra i.e. 720 km, extending from Palghar district in the north to the Sindhudurg district in south, and has varying habitats viz. mangroves, corals, rocky shores, sandy shores, mudflats and etc. supporting a variety of flora and fauna.

The Government of Maharashtra realized the significance of this entire landscape and the need for its conservation. As a result, the Mangrove Cell was formed in 2012 for the protection of mangroves and conservation of endangered species of coastal and marine fauna such as corals, turtles, coastal birds, marine mammals etc. The two landmark projects viz. GoI-UNDP-GEF, Sindhudurg Project and GIZ Project, implemented by Mangrove Cell helped us realize the need for continuing and up-scaling the work which led to the creation of Mangrove Foundation.

Today, five years have passed by and the Mangrove Foundation has already added few feathers to its cap and I trust that more such milestones keep adding in this wonderful journey. I congratulate the Mangrove Foundation staff for their achievements and wish them luck in their future endeavours.

(Dr. N. Rambabu)

Dt. 31st July, 2020

Message

Kakodkar N.H., IFS

Principal Chief Conservator of Forests (Wildlife)
Government of Maharashtra



The Mangrove Cell, setup in 2012 and the Mangrove and Marine Biodiversity Conservation Foundation of Maharashtra established in 2015 have come a long way in the field of mangrove and marine biodiversity conservation in Maharashtra and the involvement of local communities in many of these conservation measures has been a special highlight.

The Government of Maharashtra's Scheme of Mangrove Conservation and Livelihood Generation implemented by the Mangrove Foundation is a perfect example where conservation and community upliftment goes hand in hand.

Under this scheme the coastal communities have been provided with an alternative means of livelihood through sustainable aquaculture and ecotourism initiatives carried out in the mangrove and estuarine ecosystems and the local communities in turn have become actively involved in the conservation of these ecosystems.

The joint initiatives of the Mangrove Cell and the Foundation along with the State Fisheries Dept. such as joint patrolling of the territorial seawaters of Maharashtra and the compensation scheme for the fishermen will help to curb illegal fishing practices and the catch of marine animals protected under the Wildlife (Protection) Act – 1972.

The Mangrove Foundation has also promoted research on various aspects of mangroves and marine biodiversity of Maharashtra and around 30 research projects have been commissioned by the Foundation so far which will lead to an increase in scientific knowledge of the coastal and marine habitats and aid in its conservation and management.

I congratulate the Mangrove Foundation for their small yet significant work in the field of coastal and marine biodiversity conservation and wish them the very best in the future.



(Kakodkar N.H.)

Foreword

N. Vasudevan, IFS

Additional Principal Chief Conservator of Forests
Research, Education and Training
Government of Maharashtra



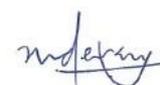
In recent years, Maharashtra has emerged as a leading state in conservation of coastal and marine biodiversity. Two unique institutions are behind this success story-the *Mangrove Cell* and the *Mangrove and Marine Biodiversity Conservation Foundation (Mangrove Foundation)*. It is gratifying to see both these organisations flourishing and carving their own niches. While the parent organisation, the Mangrove Cell is now engaged more in the regulatory functions and in raising mangrove nurseries and plantations, the Mangrove Foundation advances the agenda of livelihood activities, capacity building, outreach, research and core marine biodiversity conservation works.

Among the many achievements of Maharashtra in this field are the substantial increase in mangrove cover in the State, notification of over 15,000 hectares of mangroves on government land as reserved forests, creation of a new Marine Protected Area within the boundaries of the mega city of Mumbai, successful implementation of the UNDP and GIZ projects, establishment of the *Coastal and Marine Biodiversity Centre* at Airoli and several new initiatives for conservation of endangered marine life. The Foundation, with its financial strength and highly professional manpower, has pioneered several pathbreaking initiatives in this emerging field. The blooming of its full potential is a certainty in the years to come.

Besides its core development agenda, Mangrove Foundation is also providing financial and manpower support to many activities, which form part of the basic mandate of the Mangrove Cell, viz. protection of the mangrove ecosystem. The hiring of over 100 personnel from 'Maharashtra Security Corporation' for protection of mangroves in Mumbai, construction of compound walls around highly vulnerable mangrove pockets, strengthening the infrastructure for mangrove protection and engaging qualified fisheries personnel to support the livelihood activities, are just a few examples of this extended mandate. This report beautifully documents the several achievements of the Mangrove Foundation since its inception, and will certainly provide food for thought for all those who are concerned with marine conservation, including the rest of the coastal states and Union Territories of India.

Sustainable livelihood activities like cage culture of brackish water fishes, crab farming, oyster farming, ornamental fishery and mangrove ecotourism have now emerged as the flagship programmes of the Mangrove Foundation. These programmes are implemented by first bringing the coastal communities under the institutional umbrella of the Mangrove Co-Management Committees (MCMC). Besides overseeing the income-generating activities, the MCMCs have a critical role in ensuring that the mangroves along Maharashtra coast are protected and sustainably managed. It is heartening to note that several coastal villages have reaped rich rewards through these livelihood programmes during the COVID-19 pandemic, when all other sources of employment and livelihood had folded up. The bond between the Forest Department and the coastal communities can only get stronger and stronger from here.

In its journey, the Mangrove Foundation has received tremendous support from the State and Central Governments, several scientific and research organisations, international organisations like UNDP and GIZ and a number of civil society organisations. Mangrove Foundation is now poised to take the great leap forward in marine conservation, both on its own strength and aided by upcoming projects like the *Green Climate Fund Project*. It gives me great pleasure in wishing Mangrove Cell and the Mangrove Foundation the very best in all its future endeavours. Hearty congratulations to the Executive Director and his competent team at the Mangrove Foundation for bringing out this comprehensive report.



(N. Vasudevan)



Mangrove and Marine Biodiversity Conservation Foundation of Maharashtra
(An Autonomous Body under Revenue & Forests Department, Government of Maharashtra)
302, 3rd Floor, Wakefield House, Above Britannia & Co. Restaurant,
Ballard Estate, Fort, Mumbai – 400 001.
Ph.022 – 22694984 / 22694985, email id : mangrovefn@gmail.com

Preface

Virendra Tiwari, IFS

Additional Principal Chief Conservator of Forests
Mangrove Cell
Government of Maharashtra



The State Government of Maharashtra in 2015 established the Mangrove and Marine Biodiversity Conservation Foundation of Maharashtra with a vision that it would form the institutional pillar for implementation of several coastal and marine related activities in the State. The by-laws of the Foundation have accorded special priorities for continuing some of the activities initiated under the GoI-UNDP-GEF, Sindhudurg Project and GIZ Project implemented by the Mangrove Cell, Forest Dept., Govt. of Maharashtra.

The year 2020 celebrates the Wood Anniversary of the Mangrove and Marine Biodiversity Conservation Foundation of Maharashtra. The sapling that was planted in 2015 has now grown into a mangrove tree with numerous stilt roots. This publication is an attempt to showcase the results of the efforts undertaken in the last five years. Over this duration, a significant number and variety of activities have been implemented on the ground. There has been a steady rise in the acknowledgement of our interventions over the years, as seen from the increased media coverage from regional to international level.

Over the next few pages, we have attempted to capture our efforts and interventions in multiple sectors viz. fisheries, research, conservation, livelihood, tourism and many more. The foundation has also demonstrated the organic link between biodiversity conservation and income generation. The success of these interventions is evident from the number of programmes that are now being up-scaled to the entire coast of Maharashtra i.e. from Palghar to Sindhudurg under the Government scheme of 'Mangrove Conservation and Livelihood Generation'.

One of the most significant interventions is introduction of aquacultural activities such as mangrove crab culture, oyster and mussel culture, sea bass, pearlspot farming along the coastline of Maharashtra, which are widely practised on the western coast. In addition to this the aqua farmers are also made aware about the technological advancements in the fish farming sector thereby empowering and encouraging them to take new initiatives. The participation of coastal communities is the key in protecting the mangroves.

In the end I thank the Forest and other line department for their continuous and unwavering support. I hope this report will be a useful medium to update our partner agencies, stakeholders and the community at large on some of the practical developments in the conservation of coastal and marine biodiversity conservation.

(Virendra Tiwari)

PART I

Annual Report 2015 – 16 to 2019 – 20

Introduction

Maharashtra has a long coastline of about 720 kilometres, which is home to a diverse range of coastal ecosystems such as mangroves, corals, rocky shores, sandy shores, mudflats etc. The coastal and marine environment not only supports an astounding variety of flora and fauna, but also provides a number of ecosystem services, which are crucial to the sustenance of life and livelihood security of coastal communities. The Mangrove Cell (a specialised unit of the Maharashtra Forest Dept.), since its inception in January 2012 has undertaken a lot of activities for the protection and conservation of mangroves, research programmes on endangered species of coastal and marine flora and fauna and also pilot projects to improve the livelihood of coastal communities through sustainable aquaculture activities and ecotourism ventures.

Different coastal habitats found in Maharashtra



Fig.1. Mangroves



Fig.2 Sandy beaches



Fig.3. Rocky intertidal areas



Fig.4. Corals

From 2012 to 2018, the Mangrove Cell, with the help of the Ministry of Environment, Forest and Climate Change (MoEF&CC), implemented the United Nations Development Programme (UNDP) – Global Environment Facility (GEF) Project in the district of Sindhudurg (from 2012 – 13 to

2017 – 18) and a project under the Indo-German collaboration, supported by GIZ and MOEFCC in Thane Creek and parts of coastal Ratnagiri (from April 2014 to April 2017).

Through the UNDP-GEF Sindhudurg Project, the Mangrove Cell addressed a wide range of interconnected conservation issues from sustainability of coastal fisheries, conservation of endangered marine species to development of sustainable livelihood programmes in Sindhudurg and the initiatives undertaken by the Mangrove Cell in this project received a ‘Special Mention Award’ in the India Biodiversity Awards under the category ‘Sustainable Use of Biological Resources’ in 2018. Similarly, under the GIZ project, the Mangrove Cell took up conservation issues particularly in Thane Creek (one of the biggest creeks in Asia) and in parts of coastal Ratnagiri and also developed a state-of-the-art coastal and marine biodiversity interpretation centre at Airoli (in Navi Mumbai region).

To ensure sustainability of the interventions under the UNDP-GEF and GIZ projects, activities under these projects needed to be incorporated into regular conservation programmes on mangroves and coastal and marine biodiversity in the state of Maharashtra. Thus it was proposed to the Government of Maharashtra that an autonomous organisation, the Mangrove and Marine Biodiversity Conservation Foundation of Maharashtra (Mangrove Foundation in short) be formed that can take on the broader responsibility of mangrove and marine ecosystem conservation while the Mangrove Cell focuses on protection of mangrove forests in the state.

Accordingly, the Government of Maharashtra constituted the ‘Mangrove Foundation’ in 2015 (Government resolution dated 23rd September 2015, Annexure – I). The Mangrove Foundation functions under the aegis of the Mangrove Cell, Maharashtra Forest Dept. and undertakes implementation of various sustainable livelihood development programmes for the local communities in the coastal districts of Maharashtra, assists the Forest Dept. in mangrove plantation programmes, conducts/commissions research activities, awareness programmes, capacity building activities related to conservation of mangroves and marine biodiversity of the state.

The Mangrove Foundation is a registered society under the Societies Registration Act, 1860 and the Hon’ble Chief Minister of Maharashtra is the Patron of the organisation whereas the Hon’ble Minister (Forests), Maharashtra State is the Chairperson of the Board of Governors of the Mangrove Foundation which supervises and controls the affairs of the Foundation. The Additional Principal Chief Conservator of Forests, Mangrove Cell acts as the Executive Director of Mangrove Foundation and is the Chairperson of the Executive Committee of the Foundation.

The Objectives of the Mangrove Foundation as stated in the Government Resolution are as follows:

- i. To conserve ecology and biodiversity of mangroves and marine biodiversity of Maharashtra, and the activities will include its protection, maintenance, restoration, regeneration, breeding,

sustainable use and preservation of the same consistent with the relevant statutory provisions covering wildlife habitats and landscapes in coastal areas, marine zones, coral reefs, mangroves, beaches, sand dunes, mudflats etc.

- ii. To promote sustainable livelihood opportunities, cultural heritage and community resilience (to address vulnerabilities including those caused by climate change) of local communities particularly fisher folk in the coastal areas of Maharashtra through awareness generation and capacity building programmes.
- iii. To promote sustainable natural resource-based economic activities in rural areas of coastal, island and marine regions of the State.
- iv. To promote eco-tourism and support development of related infrastructure facilities for nature education and enjoyment of general public and visitors in coastal, island and marine areas.
- v. To promote ecological and multi-disciplinary research for conservation, restoration and protection of mangroves and marine biodiversity in coastal, island and marine areas of the State with active involvement of key stakeholders including Central and State Governments and their undertakings, academic institutions and reputed Non- Government Organizations.
- vi. To promote nature education on protection and conservation of mangroves and marine biodiversity.
- vii. To mobilize resources from the civil society, universities, academic institutions, donor agencies, reputed companies, corporations, organizations and other bodies as well as researchers, volunteers and other persons for protection, conservation, development and sustainable utilization of mangroves and marine biodiversity in the State.
- viii. To coordinate related works with experts, professionals, consultants, agencies, institutions, universities, organizations, associations and such other bodies engaged in research, protection, restoration, regeneration and development of mangroves and marine biodiversity.
- ix. To facilitate collection, compilation and dissemination of information relating to mangroves, marine biodiversity and such other information as may be relevant to the objects of the Foundation from time to time.
- x. To provide inputs and suggestions regarding policies and schemes designed for conservation of mangroves and marine biodiversity in the state as well as sustainable livelihood development of local communities including fisher folks.
- xi. To support the implementation of projects on coastal and marine biodiversity conservation, including the UNDP-GEF (Global Environment Facility) Project for Sindhudurg Coast, the GIZ project and other similar projects implemented by Mangrove Cell, to ensure the long-term sustenance of the project initiatives well beyond the project period and to replicate the successful programmes and best practices from these projects, elsewhere.
- xii. To do all such things as may be necessary, incidental or conducive to the attainment of the objectives of the Foundation.

Administrative set-up of the Mangrove Foundation

The Mangrove Foundation is headed by the Addl. Principal Chief Conservator of Forests, Mangrove Cell in the capacity of the Executive Director and the Deputy Conservator of Forests, Mangrove Cell acts as the Joint Director of the Foundation. Under the leadership of the Executive Director and the Joint Director, the Mangrove Foundation has a team of employees which are hired on a contractual basis.

Mangrove Foundation Organogram

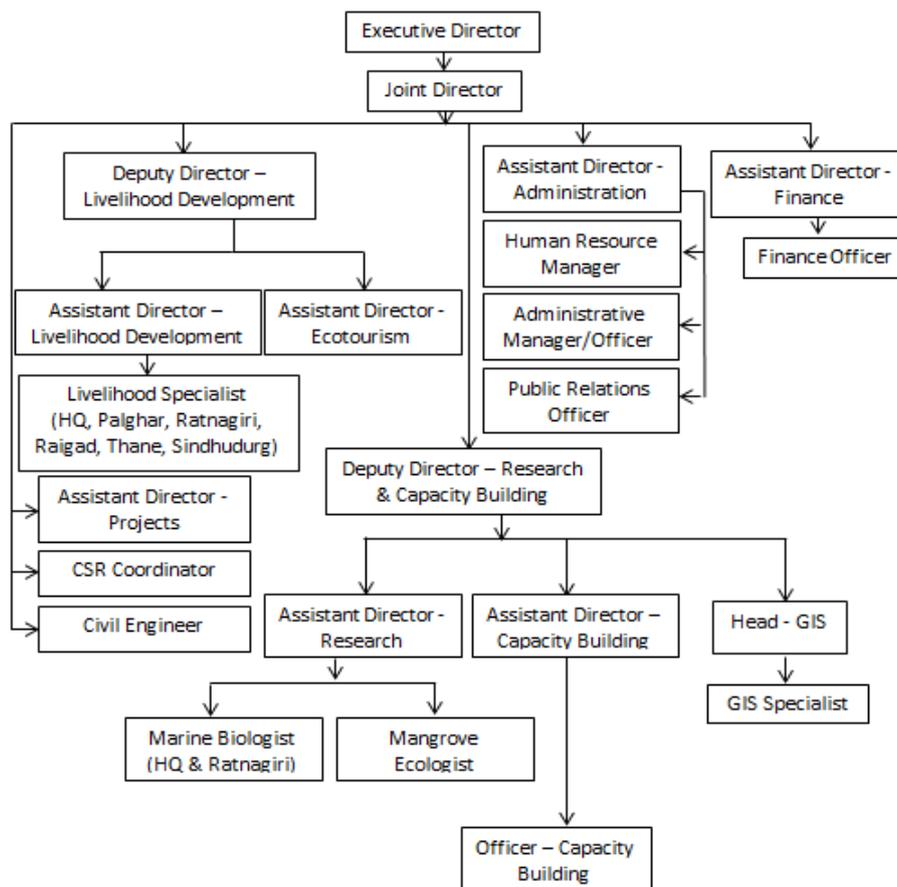


Fig.5. Organogram of the Mangrove Foundation

Out of the 36 contractual posts, approved by the Governing Body for the Mangrove Foundation, presently 18 posts have been filled (Annexure II). In addition to the above staff, the Foundation has also hired a total of 52 Project Associates and Project Assistants (from Fishery and Forestry science background) which consists of the field team which carries out the coordination and implementation of the sustainable livelihood activities and the mangrove conservation programmes across coastal Maharashtra under the supervision of the head office of the Mangrove Foundation (HQ is located in Mumbai).

Financial aspects of the Mangrove Foundation

The Mangrove Foundation was registered with a Corpus of Rs. 115 Crores in 2015 (which increased to Rs. 316 Crores in 2020) with a mandate to run its operations from the interest income generated by keeping its corpus funds in Fixed Deposits. Additionally, it receives project/activity specific funds from various Government Departments & Agencies and CSR funds from various corporate organizations.

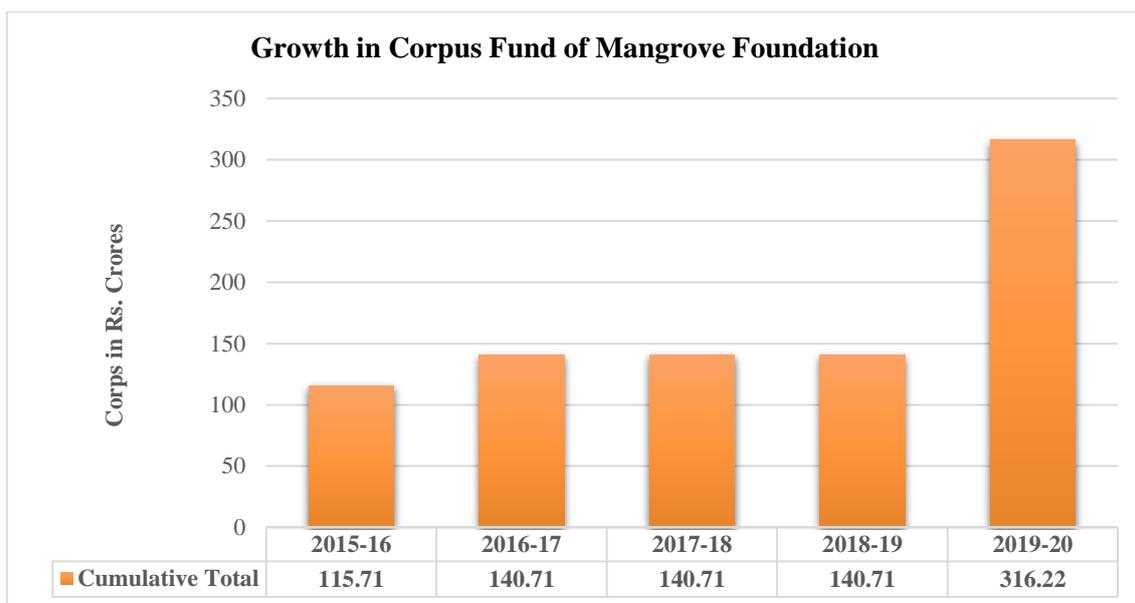


Fig.6. Growth in the corpus fund of the Mangrove Foundation

Details of the funds received by the Mangrove Foundation apart from the corpus of the Foundation since 2015 – 16 are as follows:

Table 1: Non-Corpus funds received by the Mangrove Foundation

Sr. No.	Financial Year	Amount (in Crores)
1	2015 – 16	0.5
2	2016 – 17	—
3	2017 – 18	93.23
4	2018 – 19	0.14
5	2019 – 20	16.85
Total		110.72

(Annexure – III: Details of the non-corpus funds received by the Mangrove Foundation)

Regarding Annual Financial Budgets of Mangrove Foundation

The Annual Financial Budget of the Foundation is approved by the Governing Body of the Foundation. Following are the details of Annual Budgets and Actual Expenditures:

Table 2: Details of Annual Budgets and Actual Expenditures of the Mangrove Foundation

Sr.	Financial Year	Amount (in Crores)	
		Financial Budget	Actual Expenditure
1.	2016-17	10.32	02.58
2.	2017-18	16.84	14.60
3.	2018-19	19.20	16.44
4.	2019-20	24.40	17.27

Mangrove Conservation and Protection Activities

Mangrove Afforestation

Mangrove afforestation programme involves development of mangrove nurseries raised in coastal habitats and plantation of the mangrove saplings in degraded mangrove forest areas and it involves intensive labour work in all its steps. The Foundation team undertakes field visits for monitoring of mangrove afforestation activities in a phased manner as per the steps involved in plantation programme such as seed/propagule collection from the mangrove plants in different seasons, planting the propagules in recommended polybags, digging of canals to allow the landward flow of tidal water and ensuring the growth of planted saplings.

The Foundation has been supporting the mangrove plantation activities across coastal Maharashtra since 2017 – 18 and the funds provided by the Foundation for mangrove afforestation programme are as follows:

Table 3: Funds provided by the Mangrove Foundation for the mangrove afforestation programme

Year	No of saplings planted	Hectares	Total Amount Spent (Rs. in Lakhs)
2017 – 18	0.44	10	14.37
2018 – 19	2.98	67	108.27
2019 – 20	0.8	18	5.4
Total	4.22	95	128.04

(Annexure – IV: Detailed information regarding the mangrove afforestation programme since 2015 – 16 to 2019 – 2020)

Mangrove Afforestation Activities



Fig.7. Mangrove nursery



Fig.8. Filling of fine sediment in polybags



Fig.9. Collection of Propagules



Fig.10. Mangrove Plantation

Mangrove Protection

As a major part of mangrove protection activities, the Mangrove Cell intensified patrolling in all mangrove areas, especially in the Mumbai and Mumbai Suburban region where the mangroves face a lot of anthropogenic pressures. Considering the high vulnerability to encroachment and debris dumping in the mangrove areas of Mumbai and Mumbai Suburban region and to overcome the staff shortage, the Mangrove Foundation has employed the services of the Maharashtra State Security Corporation from December 2017 onwards and a total of 117 Security Guards have been deployed for the protection and patrolling of mangroves in Mumbai, Mumbai Suburban and Navi Mumbai areas (the total expenditure made by the Foundation regarding the hiring of the Security Guards from 2017 – 18 to 2019 – 20 is Rs. 8.10 Crores).

Thousands of illegal shanties, which had cropped up on mangrove lands in various parts of Mumbai, have been given notices for evacuation and many of them have been removed/demolished by the Mangrove Cell. In order to prevent encroachment of the mangrove areas in some sensitive parts of Mumbai and Mumbai Suburban region, the Mangrove Cell has undertaken the construction of Mangrove Protection Wall (total length – 4.85 km) in such areas for e.g. Charkop, Kandivali, Kanjur, Mandale, Mahul, etc. For the said construction of the walls, the Mangrove Foundation has provided a funding of Rs. 2.80 Crores till the end of 2019 – 20.

Mangrove Protection Activities



Fig.11. Encroachment removal at Chitra camp,
Central Mumbai Range (May 2016)



Fig.12. Encroachment removal at Ambujwadi,
West Mumbai Range (Jan. 2016)



Fig. 13. Maharashtra State Security Corporation
guards deployed in sensitive mangrove areas



Fig. 14. Mangrove protection wall at Madh,
Mumbai

Implementation of Sustainable Livelihood Activities for Mangrove and Coastal Biodiversity Conservation

Implementation and popularisation of sustainable livelihood activities in coastal habitats such as mangroves, estuaries, etc. is a major objective of the Mangrove Foundation. The mangroves and associated habitats of creeks and estuaries have great potential for providing alternative livelihood sources to the local community. The Mangrove Cell, Maharashtra Forest Department explored this potential in the UNDP-GEF project in Sindhudurg during 2012 – 2017. As a part of this project, mud-crab farming, oyster farming, fish cage culture and mangrove ecotourism activities were initiated by the Mangrove Cell with active community participation at selected places. Livelihood activities initiated under the UNDP Sindhudurg project gave a significant boost to the conservation of mangroves and coastal ecosystems in the district with the active involvement of the local communities.

Considering the role of sustainable livelihoods in the conservation of mangroves, the Government of Maharashtra, on 20th September 2017 initiated a Scheme on “Mangrove Conservation and Livelihood generation” in the coastal districts of Maharashtra (GR No. S-10/2017/Pra.Kra.63/F-3). This scheme is being implemented by the Mangrove Cell and the Mangrove Foundation and it aims to provide benefits to community members and individuals of selected villages in terms of alternative sustainable livelihood activities which will in turn ensure the participation of the local communities in conservation of mangroves and related coastal habitats.

For the identification of suitable sites and for the implementation of various aquaculture based livelihood activities, the Mangrove Foundation has collaborated with a number of Govt. research institutions which are working in the field of sustainable aquaculture [for e.g. ICAR- Central Marine Fisheries Research Institute (CMFRI), ICAR- Central Institute of Brackishwater Aquaculture (CIBA), The Marine Products Exports Development Authority (MPEDA), Rajiv Gandhi Centre for Aquaculture (RGCA), ICAR- National Bureau of Fish Genetic Resources (NBFGR)].

The scheme is implemented through village-based Mangrove Co-Management Committees (MCMC) formed in the selected villages which have considerable mangrove cover and presently, the scheme is being implemented in 107 villages from Palghar, Thane, Raigad, Ratnagiri, and Sindhudurg districts and the details are as follows:

Table 4: Details of the Mangrove Co-Management Committees formed in various coastal districts of Maharashtra

District	Number of MCMCs Formed			Total nos. of MCMCs	Number of beneficiaries	Total number of self-help groups
	2017-18	2018-19	2019-20			
Palghar	4	9	0	13	610	71
Thane	4	2	3	9	210	30
Raigad	10	7	8	25	392	49
Ratnagiri	7	17	0	24	621	75
Sindhudurg	19	17	0	36	1,016	107
Total	44	53	10	107	2,847	332

(Annexure – V Detailed list of villages with MCMC’s formed)

The year-wise formation of MCMCs in the coastal districts of Maharashtra

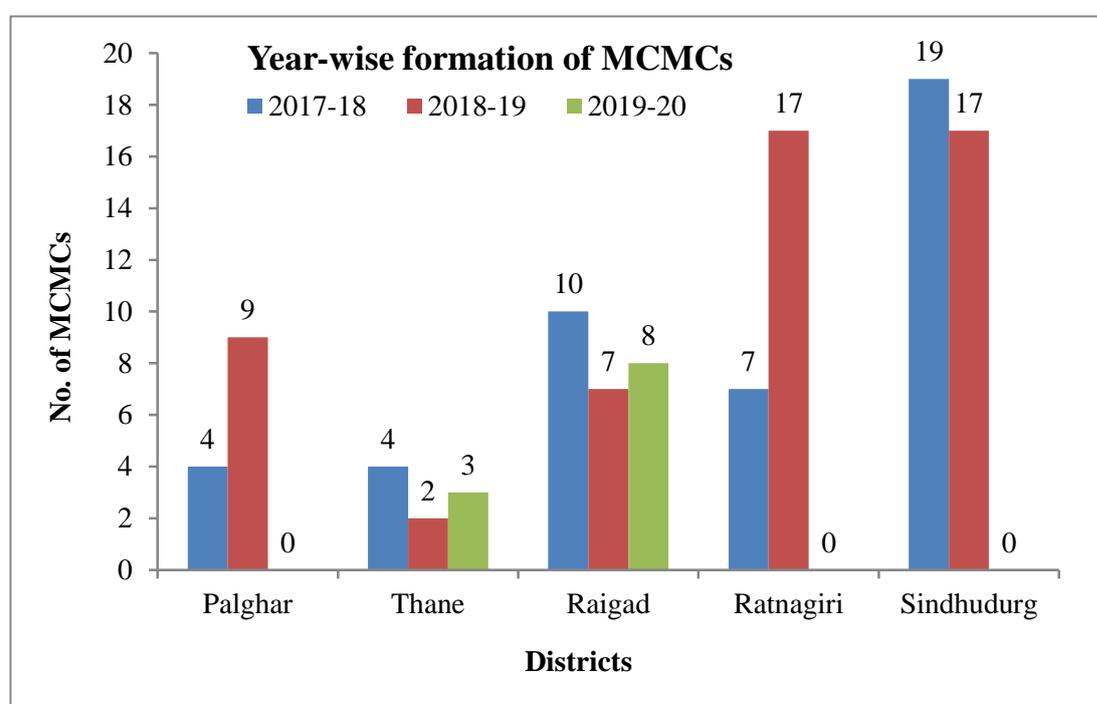


Fig.15. Year-wise formation of MCMCs in the coastal districts of Maharashtra

To supervise the implementation of the various livelihood activities and for effective coordination between the local communities and the Forest Dept., Mangrove Foundation and other Govt. agencies, the Mangrove Foundation has recruited Project Associates from Fisheries and Forestry backgrounds (graduates in these subjects) as well as Project Assistants (fishery science diploma holders). This field team of 52 members is deployed across the coastal districts of the state in the selected villages for the implementation of the livelihood programmes.

The district-wise deployment of the field team of Project Associates and organisational structure of the Livelihood Development team of the Mangrove Foundation



Fig.16. Organisational structure of the Livelihood Development Team of the Mangrove Foundation



Fig.17. Team of Project Associates for implementation of the Govt. Scheme

Also, to ensure proper and scientific implementation of the various livelihood activities, the Foundation regularly conducts various capacity building (on-field training) programmes and exposure visits for the beneficiaries in collaboration with expert institutions in the field of aquaculture. Since 2017, a total of 804 beneficiaries have been trained in various capacity building programmes.

Livelihood Development: Aquaculture/Fishery based activities

The aquaculture based livelihood activities being implemented by the Mangrove Foundation are as follows:

Fish Cage Culture (Asian Sea Bass/Pearl spot): Fish fry (newly born fishes) of Asian Sea bass, *Lates calcarifer*, are supplied to the farmers (beneficiaries) by ICAR-Central Institute of Brackishwater Aquaculture (CIBA), Chennai and the farmers rear the fish fry (size 3 – 4 inch) in hapa nets in ponds. Once the fish attain a weight of 80-100 gm, they are transferred in floating cages in creeks and reared in these cages for about 6 – 7 months at the end of which the fish weigh about 800 – 1000 gm and are ready for sale. In similar manner, Pearl spot fish fry, *Etroplus suratensis* are also supplied to some farmers from recognised fish seed suppliers and the Pearl spot fishes attain a marketable weight of 150 – 200 gm in 6 – 7 months.



Fig.18. Cage culture of Asian Sea Bass



Fig.19. Harvested Asian Sea Bass

Mud Crab Farming: Mud crab farming is carried out in pens constructed in the mangrove areas. The preferred mud crab species for farming is green mud crab, *Scylla serrata*. Crablets (crab juveniles) weighing around 70 – 80 gm are provided to farmers for stocking in pens (avg. size of a pen is one acre, around 1,600 crablets are stocked per pen) in mangrove areas. The farmers rear these crablets for 6 – 7 months, till they attain a weight of 600 gm or more and are ready for sale in the market.



Fig.20. Local women harvesting the Mud Crabs



Fig.21. Harvested Mud Crab

Oyster Farming: Two methods are adopted for oyster farming viz. floating bamboo raft method and fixed bamboo raft method. Farmers set up these bamboo rafts in the creek and shells of dead oysters are hung by a rope called as ‘Ren’ to these rafts. Around 300 – 500 rens and 5 – 6 shells/ren are set up on one raft and the larvae of the oysters (spats) settle on these dead oyster shells (it’s a natural process) and start to grow. In about 7 – 8 months, farmers get a good yield of oysters.



Fig.22. Oyster rafts from Sindhudurg

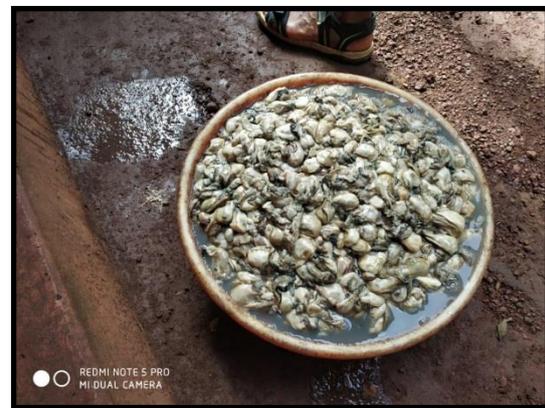


Fig.23. Harvested oysters

Green mussel farming: Green mussel, *Perna viridis* are also cultured on bamboo raft structures (set up in creeks/estuaries) similar to the oyster farming technique but since the natural occurrence of green mussel beds is rare along Maharashtra coast, ropes of live mussel seed are procured from sites in Karnataka and Kerala and these are set up on the rafts. After 7 – 8 months of rearing, the mussels reach marketable size.



Fig.24. Mussel raft



Fig.25. Live mussel ropes

Ornamental Fish Culture: The Mangrove Foundation has set up a hatchery of marine ornamental fishes (clown-fishes) in Airoli, Navi Mumbai. These marine ornamental fishes have a high market demand and presently the hatchery has around 34 brood stock pairs and young ones of fishes are being produced continuously in the hatchery. These small fishes will be provided to community groups in villages and these groups will rear these fishes for about 2 months after which they will attain marketable size. Simultaneously, fresh water culture of ornamental fishes is also being promoted among the beneficiaries in coastal Maharashtra.



Fig.26. Marine ornamental fish hatchery



Fig.27. Hatchery-bred clownfish species

For the implementation of the various livelihood activities (aquaculture and ecotourism activities) the main source of funding is through the State Government Budget under the ‘Mangrove Conservation and Livelihood Generation Scheme’ and the year-wise details of the funds provided under the said scheme are as follows:

Table 5: Details of the funds provided through State Govt. budget for the implementation of the ‘Mangrove Conservation and Livelihood Generation Scheme’

Districts	Year wise funds (in Lakhs)		Total (in Lakhs)
	2018 – 19	2019 – 20	
Palghar	57.31	120.07	177.39
Thane	85.34	45.86	131.21
Raigad	35.12	134.21	169.33
Ratnagiri	23.57	159.85	183.43
Sindhudurg	254.20	129.18	383.39
Total	455.57	589.20	1,044.77

For the effective and timely implementation of the livelihood programme, the Mangrove Foundation has also made the following expenditure:

Table 6: The expenditure by the Mangrove Foundation for livelihood development activities

Particulars	Year-wise Funding (in Lakhs)			Total (in Lakhs)
	2017 – 18	2018 – 19	2019 – 20	
Livelihood related expenses along Maharashtra coast from Mangrove Foundation	133.03	129.17	145.85	408.05

The Mangrove Foundation started the implementation of the Mangrove Conservation and Livelihood Generation Scheme across coastal Maharashtra by the end of 2017 and over the course of the last two years, different livelihood activities have been initiated in various villages and they have started generating revenue for the local communities. The details of the revenue generated by various livelihood activities in 2019-20 are as follows:

Table 7: Details of the revenue generated by various livelihood activities in 2019 – 20

District	Livelihood activity	Revenue (Rs.)
Sindhudurg	Sea bass cage culture	10,23,950
	Sea bass nursery	4,44,296
	Integrated Multi-Trophic Aquaculture system	3,06,000
	Sea bass and Milk fish pond culture	1,31,475
	Mud crab farming	88,100
	Ornamental fish rearing	10,000
	Oyster farming	51,990
Total		20,55,811



Fig.28. Harvested Asian Sea Bass



Fig.29. Harvested Mud Crab

Multispecies Hatchery Complex in Vengurla, Sindhudurg

Though Maharashtra has a high potential for implementation of brackish-water aquaculture activities (mud crab farming, sea bass cage culture and oyster/mussel farming etc.), one of the major hurdles is the lack of availability of seeds (young ones) for mud crabs (crab instars), bivalves (oyster and mussel seeds) and seabass (seabass fry).

Thus, to overcome this obstacle, the Mangrove Cell had proposed the construction of a multispecies hatchery complex which would include mud crab, seabass and bivalve hatchery unit on a land area of 1.25 hectares at Vageshwar, Ubhadanda (taluka Vengurla) which is in the possession of the Mangrove Cell, Maharashtra Forest Dept.

Subsequently, the State Govt. has given approval to the said proposal and accordingly, the Mangrove Cell and Mangrove Foundation in collaboration with the State Fisheries dept. has partnered with technical institutes like Rajiv Gandhi Centre for aquaculture (MPEDA-RGCA for mud crab unit),

Central Marine Fisheries Research Institute (ICAR-CMFRI for bivalve unit) and Central Institute of Brackishwater Aquaculture (ICAR-CIBA for seabass unit) for the establishment of the said hatchery complex. The production capacity of the said hatchery complex is proposed to be 0.5 million crab instars/year, 5 million seeds/year each for oyster and mussel and 1 million seabass fry/year.

The Mangrove Foundation has committed a funding of Rs. 3 Crores for the construction of the said hatchery complex and has also engaged an aquaculture consultant firm for the preparation of the DPR of the said hatchery complex. The said hatchery is expected to boost the aquaculture activities by providing a regular supply of seeds to the aquaculture farmers in coastal Maharashtra.

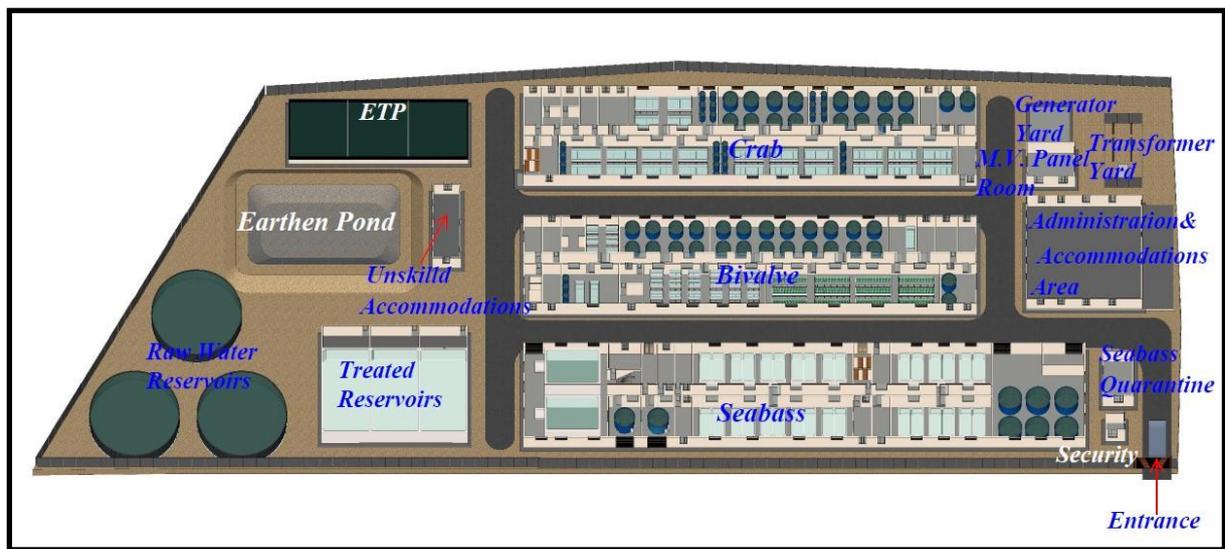


Fig.30. Schematic Layout of the Multispecies Hatchery Complex

Livelihood Development: Ecotourism activities

Initiation of sustainable and low-impact ecotourism activities in selected coastal villages is the other important aspect of the livelihood development programme apart from the aquaculture based livelihood activities. The key players in the protection of mangroves and its habitat are local communities that have a symbiotic relationship with the ecosystem and ecotourism offers a viable combination of ecological and cultural protection and also aids in the economic development of the local communities.

The Foundation mainly focuses on mangrove based ecotourism which has the following salient features:

- Involvement of local communities
- Means of alternate livelihood
- Low environmental impact
- A small-scale alternative for visitors

- Community-based conservation
- Education and awareness
- Nature conservation

The emphasis on mangrove ecotourism stems from a success story under the Mangrove Cell run UNDP-GEF Sindhudurg project. Under the said project, Mangrove Cell, supported *Swamini*, a women self-help group (SHG) in Vengurla, Sindhudurg to establish a successful mangrove ecotourism venture. The *Swamini* SHG runs Maharashtra's first Mangrove Ecotourism project (run by fisherwomen), where the tourists are taken in a rowboat for Mangrove Safari in the Mandvi creek in Vengurla, Sindhudurg. Through regular training programmes, the women have become well versed in the scientific and local english names of the different mangrove species and birds found in the creek and thus act as efficient guides during the safari. Along with the mangrove safari the SHG also provides catering facility and has some local products for sale which has boosted their income.

Over the past two – three years, they have gained much fame and have been recognised nationally as well as internationally. Since January 2017 to December 2019 the group has generated a total revenue of about Rs. 4,46,000/- as opposed to the total expenditure of Rs. 21,220/- for the maintenance and upkeep of the said activities.

Mangrove Ecotourism project by Swamini SHG in Vengurla, Sindhudurg



Fig.31. Mangrove Ecotourism in Vengurla, Sindhudurg



Fig.32. All women Swamini Self Help Group members

Mangrove Foundation has identified and is working on the development of ecotourism at few sites through various trainings, workshops and other means of capacity building of local communities to enhance their knowledge and awareness about their natural resources. Basic ecotourism guide training in the selected villages of three districts (Raigad, Ratnagiri and Sindhudurg), with an objective to train beneficiaries in basic identification of biodiversity (mangrove species, bird identification), hosting

tourists, concept of homestays, etc. have been carried out (Annexures – VI). The Foundation is currently working on the following sites for ecotourism development:

Table 8: The details of the ecotourism activities being developed by the Mangrove Foundation in various coastal villages of Maharashtra

District	Village	No. of Self Help Groups (beneficiaries) involved	Activities planned
Raigad	Kalinje	1 (7)	<ul style="list-style-type: none"> ● Mangrove Boat Safari (1.5 hours) ● Nature walk/ Birdwatching / Mangrove Walk (1.5 hours) ● Shore walk and tidal rock pools exploration (1.5 hours) ● Visit to aquaculture sites, mangrove plantation sites during trails/boat safari ● Visit to nearby heritage/historical sites (2 – 3 hours) ● Story-telling session in the evening (1 hour) ● Star gazing
	Diveagar	1 (10)	
Ratnagiri	Anjarle	2 (14)	
	Songaon	4 (34)	
	Gaokhedi	1 (10)	
Sindhudurg	Taramumbri	1 (10)	
	Mithmumbari	2 (12)	
	Achra	3 (9)	
	Nivati	4 (13)	

The funds provided for ecotourism activities in different coastal districts through the State Govt. Budget under the Mangrove Conservation and Livelihood Generation Scheme in 2019 – 20 are as follows:

Table 9: Details of the funds provided through the State Govt. budget for ecotourism activities in different coastal districts of Maharashtra

District	Village	Amount (in Rs.)	Total (in Lakhs)
Raigad	Diveagar	4,78,500	8.09
	Kalinje	3,31,066	
Ratnagiri	Songaon	9,00,000	13.00
	Anjarle	3,00,000	
	Gaokhedi	1,00,000	
Sindhudurg	Taramumbri	2,62,000	8.01
	Mithmumbri	87,000	
	Nivti	3,80,000	
	Aachra	72,000	
Grand Total			29.10

Tourism and revenue generation has started at most sites at different scales. Beneficiaries of Mangrove Co-management Committee (MCMC) at Kalinje village (Raigad district) have generated a total revenue of Rs. 28,605/- during a period of 3 months (December 2019 to February 2020) from various activities like homestays, mangrove trails, birdwatching trails, nature walks, etc (the site is not still fully active and more attractions like mangrove boating and kayaking, etc will start soon).

Similarly, other sites also have started receiving tourists in small numbers and it is expected that this will lead to considerable revenue generation for the local communities.

Ecotourism activities implemented by the Mangrove Foundation



Fig.33. Mangrove kayaking



Fig.34. Nature guide training workshop (Shorewalk)



Fig.35. Distribution of material for starting ecotourism



Fig.36. Star gazing training workshop, Anjarle, Ratnagiri

Apart from the implementation of the ecotourism activities mentioned above, the Foundation has provided funding regarding the construction of the Coastal and Marine Biodiversity Centre (CMBC) in Airoli which is an ecotourism destination in the Metropolis of Mumbai. Furthermore as the Mangrove Cell is in the process of setting up mangrove parks at Gorai, Dahisar and Mahul in the near future, which will have various attractions for tourists such as mangrove trails, bird trails, watch tower, kayaking, mangrove museum, glass bridge over mangroves, etc., the Foundation has supported these activities by providing funding regarding the hiring of consultancy services for the said project activities.

The year-wise expenditure made by the Mangrove Foundation for ecotourism and related activities is as follows:

Table 10: Year-wise expenditure by the Mangrove Foundation for ecotourism and related activities

Particulars	Year-wise Funding (in Lakhs)				Total (in Lakhs)
	2016 – 17	2017 – 18	2018 – 19	2019 – 20	
Ecotourism related expenditure made by the Mangrove Foundation	57.82	34.35	28.43	53.19	173.79

Research on Coastal and Marine Biodiversity

Since the start of 2017, the Mangrove Foundation has initiated research projects on various aspects of coastal and marine biodiversity in Maharashtra and for this the Foundation has collaborated with various research institutions/organisations such as Bombay Natural History Society (BNHS), Institute of Wood Science and Technology (IWST), Sálím Ali Centre for Ornithology and Natural History (SACON), Wildlife Institute of India (WII), National Institute of Oceanography (NIO), Indian Institute of Science (IISc), Dakshin Foundation, Ela Foundation, etc. and Independent Researchers.

Small Grants Programme

The Mangrove Foundation also has a Small Grants Programme (since 2018) under which young researchers (independent or through institutions/organisations) are encouraged to take up research programmes in various ecological aspects of the coastal and marine biodiversity of Maharashtra. Presently the Mangrove Foundation is also carrying out in-house research projects on some species of marine organisms along the Maharashtra coast and the Foundation also engages college students for internships.

From 2017 onwards the Mangrove Foundation has commissioned a total of 30 research projects (these include projects commissioned to various institutes/researchers and in-house projects as well, Annexure – VII).

Table 11: Year-wise expenditure of the Mangrove Foundation w.r.t. research projects and related activities

Particulars	Year-wise Funding (in Lakhs)				Total (in Lakhs)
	2016 – 17	2017 – 18	2018 – 19	2019 – 20	
Research projects/activities related expenditure by the Mangrove Foundation	66.28	117.37	67.25	81.35	332.25

Important on-going research programmes:

- **Mangroves:** The Foundation has commissioned three research projects to the Institute of Wood Science and Technology (IWST), Bengaluru which are looking into the aspects of ‘Integrated pest management strategies against the major defoliating pests of mangroves’, ‘Wood anatomical studies of major mangrove species in Maharashtra’ and ‘Development of procedures for forensic identification of illegally cut mangrove trees’.

A project regarding documentation of mangrove and mangrove associate species in Mumbai region was also commissioned to R.D. and S.H. National College (Bandra, Mumbai) which has been completed.



Fig.37. *Hyblaea puera*-Mangrove Pest



Fig.38. Use of biopesticide to control pest infestation in mangroves

- Avifauna: A project titled 'Elucidating the migratory routes of water birds wintering along the Maharashtra coast' has been commissioned to the Bombay Natural History Society (BNHS) wherein the important wintering sites for migratory birds along coastal Maharashtra have been identified and ringing and tagging of migratory birds has also been undertaken to study the migratory routes of these birds.

The Mangrove Foundation is also monitoring a long term project being carried out by BNHS regarding the effects of construction of the Mumbai Trans Harbour Link (MTHL) on the flamingos and other birds in the Thane Creek and surrounding regions.



Fig.39. Lesser Flamingos from Thane Creek Flamingo Sanctuary



Fig.40. Ringed and flagged migratory bird

- Other Coastal and Marine Fauna: The Foundation has commissioned various projects w.r.t. different species of coastal and marine fauna such as sea snakes, sea turtles, elasmobranchs (sharks, rays and skates), corals, otters, crocodiles, cetaceans, etc. in collaboration with organisations such as Dakshin Foundation (sea snakes and elasmobranchs), Wildlife Institute of India (sea turtles), Ela Foundation (otters and crocodiles) and Independent Researchers under the Small Grants Programme (elasmobranchs, sea turtles, etc.)



Fig.41. Indian Ocean Humpback Dolphin



Fig.42. Shaw's Sea Snake

- Mangrove Foundation in-house projects: The Foundation is carrying out in-house research projects on intertidal corals and elasmobranchs (survey of different species of elasmobranchs captured in fisheries operation, etc.) along the Maharashtra coast and these projects are carried out by the Marine Biologists of Mangrove Foundation.



Fig.43. Different species of sharks captured in fisheries operations along Maharashtra coast



Fig.44. Intertidal corals found along Maharashtra coast

- Sustainable aquaculture related research: The Foundation has also collaborated with institutions like Central Institute of Brackishwater Aquaculture (ICAR-CIBA) for the identification of sites suitable for fish cage culture and crab farming along the coastline of Maharashtra and a project has also been commissioned to the Central Marine Fisheries Research Institute (ICAR-CMFRI) for identification of sites suitable for oyster culture/farming in the Palghar district of Maharashtra and implementation of the said activity on a pilot scale.

Coastal and Marine Biodiversity Conservation Programmes

Compensation scheme for the fishermen

The Mangrove Cell and Mangrove Foundation in collaboration with the Fisheries Dept. of Maharashtra have initiated a joint compensation scheme wherein monetary compensation upto Rs. 25,000/- is given to fishermen for the damage they sustain due to cutting of their fishing nets in order to release a marine animal species such as sea turtle, whale shark and other species [protected under the Wildlife (Protection) Act, 1972] which get accidentally entangled in their fishing nets.

For the popularisation of this scheme and for the sensitization of the fishermen, several awareness workshops were organised in all the coastal districts of Maharashtra in 2019 (around 1,100 fishermen participated in these workshops) and in F.Y. 2019 – 20, 40 fishermen were compensated for the safe release of marine protected species back to the sea for which a total amount of Rs. 8,27,350/- was released by the Mangrove Foundation as compensation to the fishermen.

Of the 40 cases processed for compensation in F.Y. 2019 – 20, 17 cases were of the release of Olive Ridley Sea Turtles, 14 cases were for Green Sea Turtle, one case of Indian Ocean Humpback Dolphin and eight cases were of the release of Whale Shark.

Table 12: The district-wise details of the compensation cases processed in F.Y. 2019-20

District	No. of cases processed	Amount released as compensation (Rs.)	Protected species released by fishermen
Mumbai	1	25,000	Olive Ridley turtle (1)
Thane	13	2,62,200	Olive Ridley turtle (8), Whale Shark (5)
Palghar	5	93,750	Olive Ridley turtle (3), Green sea turtle (1), Indian Ocean Humpback dolphin (1)
Raigad	5	1,12,500	Olive Ridley turtle (1), Green sea turtle (3), Whale shark (1)
Ratnagiri	2	46,000	Green sea turtle (2)
Sindhudurg	14	2,87,900	Olive Ridley turtle (4), Green sea turtle (8), Whale Shark (2)
Total	40	8,27,350/-	17 Olive Ridley Turtles, 14 Green sea turtles, 8 Whale sharks, 1 Indian Ocean Humpback dolphin

Compensation Scheme related activities



Fig.45. Compensation scheme workshop



Fig. 46 & 47. Sea turtles being released by the fishermen



Fig.48. Whale Shark being released by the fisherman

Joint Patrolling of the Territorial Seawaters of Maharashtra

In order to conserve the marine biodiversity the Mangrove Cell, Maharashtra Forest Dept. along with the Fisheries Dept. has undertaken joint patrolling of the seawaters in Sindhudurg district of Maharashtra to curb illegal fishing practices and also the catch of marine animals protected under the WPA-1972. The said activity was carried out in Sindhudurg from February 2019 to May 2019 and during the said period, 186 fishing boats were checked and six boats were caught practicing illegal fishing activities. The Mangrove Foundation provided the funds for the said activity (hiring of a suitable boat for the patrolling work) and the initiative is being continued in Sindhudurg and Ratnagiri districts of Maharashtra (the Foundation provided a funding of Rs. 13.52 lakhs for the hiring of a patrolling boat in Sindhudurg in 2019).

Sea turtle conservation

Olive Ridley Turtles nest sporadically along the coast of Maharashtra (on the beaches in Raigad, Ratnagiri and Sindhudurg districts of Maharashtra) and the Maharashtra Forest Dept. in collaboration with local communities has been working for more than a decade now for the conservation of the sea turtles along the coast of Maharashtra and it has established a network of hatcheries to conserve the sea turtles.

For the last couple of years (2018 and 2019), the Mangrove Foundation has conducted awareness programmes in the coastal districts of Maharashtra for local beach management staff regarding managing the turtle hatchery sites, locating and relocating of turtle nests, handling of turtle hatchlings etc.



Fig.49. Workshops with the beach managers



Fig.50. Olive Ridley Sea Turtle hatchling

Marine Respondent Group

A marine respondent group existed in Mumbai wherein volunteers (common citizens), veterinary doctors had formed a network to coordinate fast response in the case of cetacean and sea turtle strandings so that necessary medical treatment could be given to the stranded animals or necropsies

could be performed on dead animals with the help of Forest Dept. and other line Depts. The Mangrove Foundation has supported this group by bringing about a better coordination among the volunteers and the Forest Dept. staff which has led to a more efficient response to the strandings of marine animals in and around Mumbai.

In 2019, 10 Olive Ridley turtles and a Hawksbill turtle were stranded along the coast of Mumbai. Two out of the 10 Olive Ridley turtles and the Hawksbill turtle were treated and released back to the sea whereas the other turtles unfortunately succumbed to their injuries and infections. Apart from sea turtles, the cases of cetacean stranding which happened in and around Mumbai were that of two Baleen Whales, an Indian Ocean Humpback dolphin and a Striped Dolphin (all these were dead strandings) whereas a Finless Porpoise which had stranded on the beach of Kihim (near Alibaug) was rescued and released back to the sea.

Since 2011, the Maharashtra Forest Dept. (Dahanu Division) along with the NGO - Wildlife Conservation and Animal Welfare Association have been running a Sea Turtle Treatment and Transit Centre at Dahanu (district Palghar) where injured sea turtles are treated, rehabilitated and if possible, released back to the sea. The Mangrove Foundation provided a funding of Rs. 19.93 Lakhs for the smooth functioning and upgradation of this centre in F.Y. 2018 – 19.



Fig.51. Rescued Finless Porpoise



Fig.52. An injured sea turtle being examined



Fig.53. Rescued turtle being transported for medical attention



Fig.54. Reporting of a dead whale stranding

Expedition to Angria Bank

The Mangrove Cell, Maharashtra Forest Department and Mangrove Foundation partnered with WCS-India (Wildlife Conservation Society) and CMLRE (Centre for Marine and Living Resources and Ecology) to carry-out a scientific survey expedition to the Angria Bank, a submerged plateau in the Arabian sea.

Angria Bank is a submerged plateau located 105 km offshore from the Konkan coast of Maharashtra. Currently, this 2,011 km² region supports a large extent of coral reefs and algal habitats, spanning about 650 km², along with harbouring a high diversity of associated fauna and flora. This unique ecosystem makes it an important stronghold of marine biodiversity and it has been identified by the Wildlife Institute of India as one of India's 106 Important Coastal and Marine Biodiversity Areas.

The survey revealed the presence of corals belonging to 32 species, around 175 species of coral reef fishes and many species of marine invertebrates. For the protection of this marine biodiversity, the Maharashtra Forest Dept. has proposed for the declaration of Angria Bank as a 'Designated Area' under the Maritime Zones Act, 1976.



Fig.55. Fish diversity in the coral reefs of Angria Bank



Fig.56. Coral colony of Goniopora sp. at Angria Bank

Establishment of GIS Cell and its Activities

After the inception of the Mangrove Cell in 2012, to monitor the status of mangroves in Maharashtra, the Mangrove Cell had engaged the services of the Maharashtra Remote Sensing and Satellite Application Centre (MRSAC) and the satellite mapping of mangrove areas in all the coastal districts (based on 2005 data) was carried out on a 1:5000 scale. These high-resolution maps have helped the Mangrove Cell in administrative takeover of mangrove lands in all districts of Maharashtra and have helped in better monitoring of change in mangrove cover in the state.

Subsequently, the Mangrove Foundation in 2018 commissioned a project to the Indian Institute of Space Science and Technology (IIST) regarding high resolution mapping of the mangroves of Maharashtra based on 2018 data and development of a software-model to assess the health of the mangrove vegetation in the state on a near real time basis. It was also planned to set up a GIS Cell in the Mangrove Foundation and in 2019 a GIS Specialist has been recruited in the Mangrove Foundation and the latest version of the Arc GIS software has been procured for the GIS related work.

Capacity Building Programmes and Exposure Visits

Capacity Building Programmes

The Mangrove Foundation conducts various capacity building programmes for villagers (beneficiaries of Govt. scheme regarding sustainable livelihoods), staff of Mangrove Foundation, members of other Govt. departments, etc. The Government scheme, 'Mangrove Conservation and Livelihood Generation' is being implemented by the Mangrove Cell and Mangrove Foundation since 2017 and various sustainable livelihood activities are being taken-up in coastal villages and thus the Foundation regularly conducts multiple capacity building programmes so that the local communities involved in these livelihood activities develop the necessary skill set to carry-out these livelihood activities successfully.

Following are the livelihood activities for which capacity building programmes have been conducted by the Foundation:

- Mud Crab farming
- Bivalve farming (Oyster and Mussel)
- Cage culture of Asian Sea Bass
- Ornamental fish culture
- Value addition in fisheries
- System of Rice Intensification (SRI)
- Ecotourism guide training

The capacity building programmes for the aquaculture activities are mostly conducted in collaboration with technical institutes having expertise in that particular subject, such as Marine Products Export Development Authority – Rajiv Gandhi Centre for Aquaculture (MPEDA – RGCA) for crab farming, ICAR – Central Institute of Brackishwater Aquaculture (CIBA) for nursery and cage culture of Asian Seabass, ICAR – National Bureau of Fish Genetic Resources (NBFGR) for ornamental fish culture, ICAR – Central Marine Fisheries Research Institute (CMFRI) for bivalve culture.

Regarding training local communities for ecotourism activities and for providing soft skill training, the foundation has an in-house team that provides technical assistance in the form of consultation at the grass-root levels. The Mangrove Foundation has conducted several capacity building programmes throughout the coastal districts of Maharashtra and trained more than 804 individuals over the last two years.

Some capacity building programmes have also been conducted for the Forest Department staff in order to train them to rescue and manage a stranded marine animal such as dolphin, whale, porpoises, sea turtles etc. Workshops such as these are important in conservation of marine species protected under the Wildlife (Protection) Act, 1972.

Occasionally the Foundation is also approached by various government departments and private sectors regarding training of its staff in the field of mangroves and coastal biodiversity conservation. Taking this opportunity the Mangrove Foundation has trained 13 newly recruited sub-regional Officers of the Maharashtra Pollution Control Board (MPCB).

The detailed list of the capacity building programmes conducted by the Foundation is attached in Annexure – VIII & IX



Fig.57. Marine ornamental fish rearing workshop



Fig.58. Asian Sea Bass farming workshop for Project Associates



Fig.59. Mud crab farming workshop



Fig.60. Hygienic handling and value addition in fisheries workshop

Exposure Visits

Conducting exposure visits for local communities (beneficiaries) so that they can observe the actual implementation of various sustainable livelihood activities is a very effective way to generate interest and instil confidence among the local communities regarding the implementation of these livelihood activities. Several groups of beneficiaries from other coastal districts have been taken for exposure visits to Sindhudurg district so as to get a better idea of these livelihood activities as many of these activities were initiated first in the Sindhudurg district of Maharashtra. Apart from this, many beneficiaries have been taken for exposure visits to mud crab and seabass fish hatcheries in Tamil

Nadu and various aquaculture based expos across the country (Chennai, Hyderabad, Navasari, etc.) so that they are exposed to the latest innovations in the field of sustainable aquaculture. Since 2017 a total of 468 beneficiaries have been taken for exposure visits.

In addition to this, in-house exposure visits of the staff members from Mangrove Foundation and Mangrove Cell, Maharashtra Forest Dept. are also organised as and when required (Exposure visit to Andaman and Nicobar Islands for studying different species of mangroves in October 2019).

The detailed list of exposure visits conducted by the Foundation is attached in Annexure – X



Fig.61. Exposure visit to Sindhudurg for studying aquaculture activities



Fig.62. Exposure visit to ICAR – CIBA Sea Bass facility, Navsari, Gujarat

Table 13: Year-wise expenditure of the Foundation w.r.t. capacity building programmes and exposure visits

Financial Year	Capacity Building Programmes Expenditure (in Lakhs)	Exposure Visits Expenditure (in Lakhs)
2015 – 16	11.84	-
2016 – 17	42.99	-
2017 – 18	15.83	5.36
2018 – 19	29.62	1.08
2019 – 20	59.14	13.74
Total	159.45	20.19

Awareness and Outreach programmes of the Mangrove Foundation

Coastal and Marine Biodiversity Centre

The Mangrove Cell, Maharashtra Forest Dept. has developed a Coastal and Marine Biodiversity Centre (CMBC) at Airoli, Navi Mumbai as a part of the Indo-German Biodiversity Programme under the CMPA-GIZ Project. The Centre was inaugurated on 30 April 2017 by Shri. Sudhir Mungantiwar, Hon'ble Minister, Finance and Planning, Forests, Govt. of Maharashtra.

This centre, with state-of-the-art interpretation facilities such as colourful exhibits, interactive computer screens and wide LED displays, a theatre room, etc. acts as a gateway to the Thane Creek Flamingo Sanctuary and provides various opportunities to generate awareness and educate the visitors, tourists and the general public regarding the conservation of the coastal and marine biodiversity.

The aim of this Centre is to use a mix of visual, audible and tactile elements to sensitize visitors to the beauty of coastal and marine biodiversity in Maharashtra and inform them about the important ecological role biodiversity plays in the coastal area and the threats it is exposed to. The presence of interactive computer screens and a cinema room for viewing documentary films complement the design of the centre.



Fig.63. College students visiting the CMBC

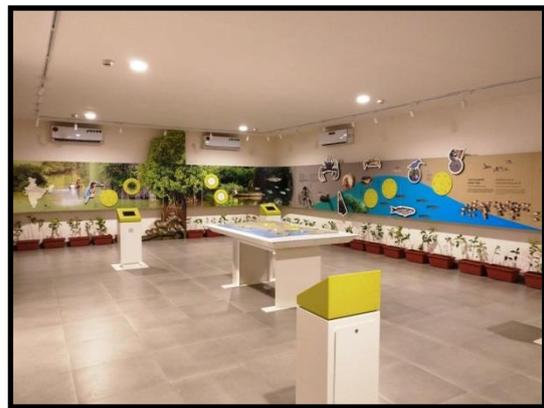


Fig.64. Coastal and Marine Biodiversity Centre

Table 14: Revenue generated by the Coastal and Marine Biodiversity Centre since 2017 – 18

Sr. No.	Financial Year	No. of Tourists	Revenue generated (In Lakhs)
1.	2017 – 18	7,678	9.98
2.	2018 – 19	16,193	31.97
3.	2019 – 20	14,687	29.40
Total		38,558	71.35

Visit of dignitaries to the Coastal and Marine Biodiversity Centre



Fig.65. Visit of Hon’ble Chief Minister, Shri. Uddhav Thackarey (15 Jan. 2020)



Fig.66. Hon’ble Chief Minister, Shri Devendra Fadnavis during Van Mahotsav plantation (01 July 2017)



Fig.67. Visit of Hon’ble Forest Minister, Shri. Sanjay Rathod (16 Jan. 2020)



Fig.68. Visit of Hon’ble Forest Minister, Shri. Sudhir Mungantiwar (30 Apr.2017)

The Mangrove Foundation conducts multiple activities under awareness and outreach programmes (many of which are conducted at CMBC, Airoli), which are classified as follows:

- School Programme

The Foundation has procured a bus (35-seater) through funds received under the Corporate Social Responsibility programme and it is being presently used as a means of transport to bring school children to CMBC, Airoli where awareness programmes regarding mangroves, coastal and marine biodiversity conservation are specially arranged for the school students. Currently the Foundation is offering free pickup and drop service to Government (aided) schools in order to bring school children to the state-of-the-art interpretation centre at Airoli, Navi Mumbai. This centre hosts various audio-visual components to sensitize visitor about mangroves, coastal and marine biodiversity of the state. Also, no ticket cost is charged to these schools for the visit to this centre, while a 50% discount is being availed to private schools, but no transportation is provided. A regular batch consists of approximately 30 students along with two teachers who get a guided tour of the interpretation centre, a nature trail through the mangrove nursery and Airoli jetty, view of the Whale skeleton, documentary screening, etc. and refreshments are also provided at the end. Typically one batch spends around one to one and a half hour at the CMBC.

The programme was inaugurated in November 2019 and as of May 2020, more than 1,300 students in and around Thane and Navi Mumbai have visited the centre.



Fig.69. School visit at Coastal and Marine Biodiversity Centre, Airoli



Fig.70. School visit at Coastal and Marine Biodiversity Centre, Airoli

- Celebrating environmentally significant days

The Foundation also undertakes and supports a number of outreach and awareness programmes for sensitizing different sections of the society regarding coastal and marine biodiversity conservation issues. This is achieved by organising lectures, guided mangrove trails and multiple competitions such as drawing, slogan writing, photography etc. for school and college students at CMBC, Airoli on environmentally significant days viz. International Mangrove Day, International Wetlands Day,

Wildlife Week and so on. The Foundation also supported a unique event for raising awareness about mangroves i.e. Mangrove Marathon (10 km) organised on the World Forestry Day i.e. March 21, 2019.

Another major activity covered under this category is mangrove clean-up and beach clean-up drives with the support of college students, corporates and citizens. The Clean Mangrove Campaign, a three-year joint initiative started in 2015, by the citizens of Mumbai city and Mangrove Cell and the Foundation, made it to the **Limca Book of Records**. This was one of the biggest government-citizen partnership projects in which 8,000 tonnes of garbage (mostly plastic) was cleared, covering 11.03 km² of mangroves across Mumbai.



Fig.71. Mangrove Marathon



Fig.72. Mangrove Marathon



Fig.73. Clean Mangrove Campaign



Fig.74. Beach clean-up drive

- Marine Matter Talk Series

Furthermore, the Foundation has also come up with a talk series titled, ‘Marine Matters’ for raising awareness on coastal and marine biodiversity. Since its inception in June 2019, this talk series has covered multiple topics such as mangroves, life under sea, marine mammals, migratory birds, etc. and generally a lecture is held once a month at the CMBC, Airoli, Navi Mumbai and till March 2020, eight lectures have been organised.



Fig.75 & 76. Marine Matters Lecture Series

- Support to conferences

The Foundation supports numerous national and international conferences and symposiums across India focussing on conservation and research of mangroves, coastal and marine biodiversity, sustainable livelihoods, etc. Since 2018, the Foundation has supported 23 conferences and similar events in various parts of India.



Fig.77. Brackishwater Farmers Conclave at Surat, Gujarat



Fig.78. AquaAquadria conference at Hyderabad, Telangana



Fig.79. Mangrove Foundation stall at the Global Kokan Festival, Mumbai

- Coastwise:

In 2019 & 2020 the Mangrove Foundation in association with the Coastal Conservation Foundation (earlier known as Marine Life of Mumbai) and WWF-India jointly organised a marine festival, ‘Coastwise’ in Mumbai which included a range of activities such as shore-walks, movie screenings, marine-art workshops, flamingo festival (flamingo safari and a guided tour of CMBC, Airoli), photography workshop and competition and the festival received an over-whelming response from the general public in Mumbai.



Fig.80. Shorewalks for creating awareness about coastal organisms



Fig.81. Marine art workshops conducted at Coastal and Marine Biodiversity Centre



Fig.82. Participants of Shorewalk



Fig.83. Closing ceremony of Coastwise 2020

A detailed list of the communication, awareness and outreach programmes conducted by the Mangrove Foundation is attached in Annexure – XI to XIII and the year-wise expenditure of the Foundation w.r.t. the said activities is as follows:

Table 15: Year-wise expenditure of the Mangrove Foundation w.r.t. communication, awareness & outreach programmes

Particulars	Year-wise Funding (in Lakhs)				Total (in Lakhs)
	2016 – 17	2017 – 18	2018 – 19	2019 – 20	
Communication, awareness & outreach programmes related expenditure of the Mangrove Foundation	31.01	114.60	84.89	91.41	321.93

Corporate Social Responsibility (CSR) Initiatives

Corporate Social Responsibility (also known as CSR, corporate conscience, and corporate citizenship) is the integration of socially beneficial programs and practices into a corporation's business model and culture. Since 2017, the Mangrove Foundation has partnered with several companies for raising CSR funds for various activities. Although most of the partnerships are for mangrove plantation but coordination with multiple companies is underway for supporting other activities such as mangrove ecotourism ventures, development of Giants of the Sea Museum at CMBC, Airoli, construction of protection wall for mangrove conservation in Mumbai, etc. The activities conducted under CSR initiative are detailed below:

Table 16: Activities conducted by the Mangrove Foundation under CSR initiatives

Sr.	CSR Partner	Initiative	MoU signed in year	Amount committed	Amount Received
1.	United Way Mumbai	Mangrove plantation in Navi Mumbai	2017 – 18	Rs. 52.80 Lakhs	Rs. 52.80 Lakhs
2.	Forest Development Corporation of Maharashtra Limited (FDCM)	Procurement of 35-Seater AC bus for conducting awareness programmes for school children at CMBC, Airoli	2018 – 19	Rs.32 Lakhs	Rs.32 Lakhs
3.	JSW	Implementing Ornamental Fish Culture activity in selected villages of Raigad district	2018 – 19	In kind (construction of fish rearing sheds in 4 villages)	—
4.	Ajmera Realty	Chain link fencing in Wadala, Mumbai for mangrove protection	2019 – 2020	Rs. 84.16 Lakhs	Rs. 84.16 Lakhs
5.	Skoda Auto Volkswagen India Pvt. Ltd.	Mangrove plantation in Raigad district	2019 – 2020	Rs. 3.08 Crore	Rs. 1.33 Crore
6.	ICICI Bank Limited	Mangrove plantation in Ratnagiri district	2019 – 2020	Rs. 50 Lakhs	Rs. 33.25 Lakhs
7.	Gems & Jewellery National Relief Foundation (GJNRF)	Mangrove plantation in Mumbai city	2019 – 2020	Rs 1 Crore	Nil



Fig.84. Plantation at Raigad under CSR initiative



Fig.85. MoU signing with ICICI Bank



Fig.86. MoU signing with Ajmera Realty



Fig.87. Our CSR partners

Registrations and Certifications of Mangrove Foundation

In order to effectively achieve its objectives, the Mangrove Foundation has been registered with various authorities and has been granted various certificates:

(i) Registration as a Public Charitable Trust

The Foundation has been registered as a Public Charitable Trust with Asst. Charity Commissioner, Mumbai on 30 Dec.2016 under Bombay Public Trust Act, 1950 with Registration No. F – 66834 (Mumbai). This registration inherently describes the desire of the State that Foundation's property be used for perpetuity only for specified charitable purposes with a close control of its Governing Body through its Executive Committee.

(ii) Registration under Foreign Contribution (Regulation) Act, 2010

The Foundation has been registered under FCRA, 2010 on 03 Mar. 2020 with Registration No. 083781655. This registration enables the Foundation for acceptance and usage of foreign contributions or foreign hospitality from any foreign source for working in the important areas of national interest.

(iii) Registration with NITI Aayog (NGO DARPAN) of Central Govt. of India

The Foundation has been registered on NITI Aayog as a compliance with Central Government's focus on maintaining a centralized database of all Society/Trust which also enables the Foundation to approach any government department to present their project or apply for government welfare scheme funding.

(iv) Registration u/s 80G and u/s 12AA of Income Tax Act, 1961

Foundation has been registered u/s 80G of Income Tax Act, 1961 on 27 Sept. 2019, with effect from Assessment Year 2020 – 21 onwards which enables any person who is giving donation to the Foundation to claim a deduction in its Return of Income. Foundation has also been registered u/s 12AA Income Tax Act, 1961 with Registration No. 49963 dated 28 Feb. 2018, with effect from Assessment Year 2018 – 19.

PART II

Audited Financial Reports from 2015 – 16 to 2018 – 19

Audited Financial Reports from 2015 – 16



Ambekar Shelar Karve & Ambardekar
Chartered Accountants

Report of an Auditor relating to accounts audited under
Sub-section (2) of section 33&34 and rule 19 of the
Bombay Public Trust Act.

Registration No: **F-66824**

Name of the Trust: **MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF
MAHARASHTRA**

For the Year ending on: **31st March, 2016**

	Observations	Remark
a)	Whether accounts are maintained regularly and in accordance with the provisions of the Act and the Rules;	YES
b)	Whether receipts and disbursements are properly and correctly shown in accounts;	YES
c)	Whether cash balance and vouchers in the custody of manager or trustee on the date of the audit were in agreement with the books of Accounts;	YES
d)	Whether all books, deeds, accounts, vouchers, or other documents or records required by the auditor were produced before him.	YES
e)	Whether register of movable or immovable properties is properly maintained, the changes therein are communicated from time to time to the regional office, and the defects and inaccuracies mentioned in the previous audit report have been duly complied with;	NO IMMOVABLE PROPERTY
f)	Whether the manager or the trustee or any other person required by the auditor to appear before him did so and furnished the necessary information required by him;	YES
g)	Whether any property or funds of the trust were applied for any object or purpose other than object of the Trust.	NO
h)	The amounts outstanding for more than one year and the amount written off, if any;	NO
i)	Whether tenders were invited for repairs or construction involving expenditure exceeding Rs.5,000/-;	YES
j)	Whether any money of the public Trust has been invested contrary to the provisions of section 35.	NO
k)	Alienation's, if any, of the immovable property contrary to the provisions of the Section 36 which have come to notice of the Auditor.	NO
l)	All cases of irregular, illegal or improper expenditure, or failure or omission to recover monies or other property belonging to the public trust or loss or waste of money or other property thereof and whether such expenditure, failure, omission, loss or waste was caused in consequence of breach of trust or misapplication or any other misconduct on the part of the trustees or any other person while in the management of the trust;	NIL
m)	Whether the Budget has been filed in the form provided by Rule 16A;	YES
n)	Whether maximum or minimum number of trustees are maintained;	YES
o)	Whether Meetings are held regularly as provided in such instrument;	YES
p)	Whether minute books of the proceedings of the meeting is maintained;	YES




H.O. Dombivli : 501, Mirage Arcade CHS, Opp. Ganesh Mandir, Off. Phadke Road, Dombivli (E) 421201.
Telefax : 0251 - 2438696 Telephone : 0251 - 2426191 / 2801368 / 2425525
Email : info@ca-aska.com, suhas.ambekar@ca-aska.com Website : www.ca-aska.com

Branches At : Thane, Badlapur, Karjat.

q)	Whether any of the Trustees has any interest in the investment of the Trust;	NO
r)	Whether any of the Trustees is a debtor or creditor of the Trust;	NO
s)	Whether the irregularities pointed out by the auditors in the accounts of the previous year have been duly complied with the trustees during the period of Audit;	YES
t)	Any special matter which the auditor may think fit or necessary to bring the notice of the Deputy or Assistant charity commissioner.	NO

For AMBEKAR SHELAR KARVE & AMBARDEKAR
CHARTERED ACCOUNTANTS

F.R.No.:122063W



(Handwritten Signature)

CA MANGESH A. GHANEKAR
(PARTNER)

MEMBERSHIP NO.:149885

PLACE: DOMBIVLI

DATE: 09/01/2018



Auditors Report of Mangrove & Marine Biodiversity Conservation Foundation Of Maharashtra
for the Year ended 31st March, 2016 [Annexure to Report under Section 33(2) and Rule 19 of The Bombay Public Trust Act, 1950]

To,
The Members,
MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF MAHARASHTRA,
Bandra.

Report on the Financial Statements

We have audited the accompanying financial statements of **MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF MAHARASHTRA**, which comprise the Balance Sheet as at **31st March 2016** and the statement of Income & Expenditure Account for the year then ended, and a summary of significant accounting policies and other explanatory information.

Trust Management's Responsibility for the Financial Statements

Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position, financial performance of the Trust, in accordance with the BOMBAY PUBLIC TRUST ACT, 1950. This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation of the financial statements that are free from material misstatement, whether due to fraud or error.

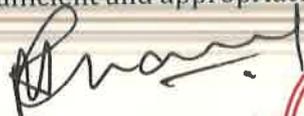
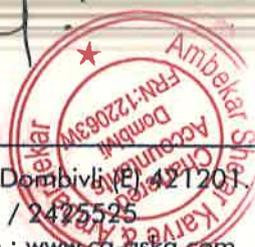
Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error.

In making those risk assessments, the auditor considers internal control relevant to the Entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

H.O. Dombivli : 501, Mirage Arcade CHS, Opp. Ganesh Mandir, Off. Phadke Road, Dombivli (E) 421201.
Telefax : 0251 - 2438696 Telephone : 0251 - 2426191 / 2801368 / 2425525
Email : info@ca-aska.com, suhas.ambekar@ca-aska.com Website : www.ca-aska.com

Branches At : Thane, Badlapur, Karjat.

Opinion

In our opinion and to the best of our information and according to the explanations given to us, the financial statements of **MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF MAHARASHTRA** for the year ended **March 31, 2016** give the information required by the relevant sections and rules of the BOMBAY PUBLIC TRUST ACT, 1950 in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India:

I) In the case of Balance Sheet, of the state of affairs of the Trust as at **31st March, 2016**.

II) In case of Income & Expenditure Account, of the **Surplus** for the year ended **31st March, 2016**.

Report on Other Legal and Regulatory Requirements

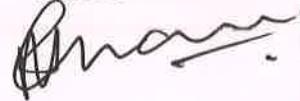
As required under rule 19 to the Bombay Public Trust Rules 1951, we furnish herewith statement of particulars as prescribed under the said rule.

Further, subject to our comments referred to in annexure attached herewith, we report that:

- a) We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit.
- b) In our opinion proper books of accounts as required by law have been kept by the Trust so far as appears from our examination of those books.
- c) The Balance Sheet and Income & Expenditure Account dealt with by this report are in agreement with the books of accounts.

**For Ambekar Shelar Karve & Ambardekar
Chartered Accountants**

F.R.No.122063W



**CA Mangesh Ghanekar
(PARTNER)
M.No. 149885**

**Date: 09/01/2018
Place: Dombivli**



SCHEDULE IX C

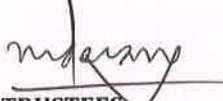
Statement of income liable to contribution for the year ending on **31st March, 2016**

Name of Public Trust **MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF MAHARASHTRA**
 Registration No. **F-66824**

	Rs.	P.	Rs.	P.
I. Income as shown in the Income & Expenditure Account (Schedule IX)				
				7,64,08,610
II. Income not chargeable to contribution under Section 58 and Rule 32:				
(i) Donations received from other Public Trust and Dharmadas.				
(ii) Grants received from Government and Local authorities				
(iii) Interest on Sinking & Depreciation Fund.				
(iv) Amount spent for the purpose of secular education				
(v) Amount for the purpose of medical relief				
(vi) Amount for the purpose of Veterinary treatment of animals				
(vii) Expenditure incurred from donations for relief of distress caused by scarcity, draught, flood, fire or other natural calamity				
(viii) Deductions out of income from lands used for agricultural purposes :-				
(a) Land revenue and Local Fund Cess				
(b) Rent payable to superior landlord				
(c) Cost of production, if land are cultivated by trust				
(ix) Deduction out of income from lands used for non - agricultural purpose.				
(a) Assessment, cesses and other government or Municipal Taxes				
(b) Ground rent payable to the superior landlord				
(c) Insurance premium				
(d) Repairs at 10 percent of gross rent of building				
(e) Cost of collection at 4 percent of the gross rent of the buildings let out				
(x) Cost of collection of income or receipts from securities stock, etc. at 1 percent of such income				
(xi) Deduction on account of repairs in respect of buildings not rented and yielding no income, at 10 percent of the estimated gross annual rent.				
Gross Annual Income chargeable to contribution Rs. (I-II)				7,64,08,610

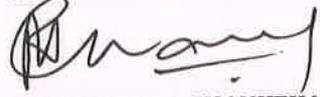
Certified that while claiming the deduction admissible under the above schedule the Trust has not claimed any amount twice, either wholly or partly, against any of the items mentioned in the Schedule which have the effect of double - deduction.

FOR MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION


TRUSTEES

DATE: 09/01/2018

FOR AMBEKAR SHELAR KARVE AMBARDEKAR CHARTERED ACCOUNTANTS


CA MANGESH A GHANKEKAR (PARTNER)
M. NO. 149885
PLACE: DOMBIVLI



THE BOMBAY PUBLIC TRUST ACT, 1950
SCHEDULE VIII [Vide rule 17(1)]

NAME OF THE PUBLIC TRUST : MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF MAHARASHTRA

REGISTRATION NO. F 66824

BALANCE SHEET AS AT 31ST MARCH 2016

2014-15	2015-16		2014-15		2015-16	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	FUNDS AND LIABILITIES		PROPERTY AND ASSETS			
	TRUST FUNDS OF CORPUS-		IMMOVABLE PROPERTIES AT COST			
	Balance as per last balance sheet		-	-	-	-
	Add :Received During the year		1,15,71,00,000	-	-	1,25,17,85,000
	- Corpus Fund		-	-	-	-
	OTHER EARNMARKED FUNDS-		LOANS (SECURED OR UNSECURED)			
	- Sindhudurga Chapter of Mangrove Foundation		50,00,000	-	-	-
	LOANS (SECURED OR UNSECURED)-		ADVANCES			
	- Funds to Purchase Smart Phones for Guards		8,16,000	-	-	-
	- Plantation Funds From DFO MMCU		1,36,99,011	-	-	-
	OTHER LIABILITIES		CASH AND BANK BALANCE -(SCHEDULE -II)			
			-	-	-	-
	INCOME AND EXPENDITURE A/C		a) In accounts with:-			
	Balance as per last balance sheet		-	-	53,790	-
	Less: Appropriations, if any		-	-	-	-
	Add: Surplus as per income & expenditure account		7,52,23,779	-	-	-
	Less: Deficit		-	-	-	-
	TOTAL RS.		1,25,18,38,790	7,52,23,779	53,790	1,25,18,38,790

As per our report of even date

The Above Balance Sheet to the best of My/ Our belief
Contains a true account of the Funds and Liabilities and of the
Property and assets of the trust.

FOR MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION

[Signature]
Executive Director

Dated

For Ambekar Shelar Karve & Ambardekar Chartered Accountants
[Signature]
CA MANGESH GHANEKAR
(PARTNER)
Membership no. 149885
FRN NO : 122063W



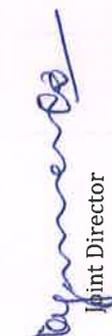
THE BOMBAY PUBLIC TRUST ACT, 1950 SCHEDULE - IX [VIDE RULE 17(1)]
NAME OF THE PUBLIC TRUST : MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF MAHARASHTRA
REGISTRATION NO. F 66824
INCOME AND EXPENDITURE A/C FOR THE YEAR ENDED 31ST MARCH 2016

2014-15	Expenditure	2015-16	2014-15	Income	2015-16
-	To Expenditure in respect of properties	-	-	By Rent (accrued/realised)	-
-	To Establishment expenses (As per SCHEDULE - III)	15	-	By Interest (accrued/realised) - On Fixed Deposits	7,64,08,610
-	To Legal expenses	-	-	By Donations in cash or kind	-
-	To Audit fees	-	-	By Grants/subsidies	-
-	To Expenditure on the objects of the trust (As per SCHEDULE - IV)	11,84,816	-	By Miscellaneous Income	-
-	To Miscellaneous Expenditure	-	-	By Miscellaneous Income	-
-	To Depreciation	-	-	By Excess of expenditure over income	-
-	To Amounts transferred to reserve & specific funds corpus fund	7,52,23,779	-		-
-	To Excess of income over expenses	7,64,08,610	-		7,64,08,610
-		7,64,08,610	-		7,64,08,610

FOR MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION

As per audit report of even date
FOR AMBEKAR SHELAR KARVE & AMBARDEKAR
CHARTERED ACCOUNTANTS
FRN NO. 122063W


Executive Director


Joint Director



CA MANGESH GHANEKAR
PARTNER
MEM. NO. 149885
DATED AT :

**SCHEDULE I
FIXED DEPOSITS AS ON 31/3/2016**

**MANGROVE & MARINE BIODIVERSITY CONSERVATION
FOUNDATION OF MAHARASHTRA**

Particulars	Face value
FD with Punjab National Bank	1,15,71,00,000
Auto Sweep FD with Union Bank of India	9,46,85,000
TOTAL	1,25,17,85,000



[Handwritten Signature]

SCHEDULE -II**CASH & BANK BALANCES AS ON 31.3.2016**

PARTICULARS	TOTAL
a) Union Bank of India	53,790
b) - Cash in Hand	-

SCHEDULE -III**ESTABLISHMENT EXPENSES**

PARTICULARS	TOTAL
Bank charges	15
TOTAL	15

SCHEDULE -IV**EXPENDITURE ON OBJECTS OF TRUST**

PARTICULARS	TOTAL
Booklet - Business of Biodiversity	42,000
Republic Day Celebration 2016	11,15,000
Sunboards for Wetland Day 2016	27,816
TOTAL	11,84,816


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Audited Financial Reports from 2016 – 17



Ambekar Shelar Karve & Ambardekar
Chartered Accountants

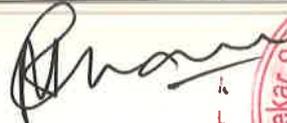
Report of an Auditor relating to accounts audited under
Sub-section (2) of section 33&34 and rule 19 of the
Bombay Public Trust Act.

Registration No: **F-66824**

Name of the Trust: **MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF
MAHARASHTRA**

For the Year ending on: **31st March, 2017**

	Observations	Remark
a)	Whether accounts are maintained regularly and in accordance with the provisions of the Act and the Rules;	YES
b)	Whether receipts and disbursements are properly and correctly shown in accounts;	YES
c)	Whether cash balance and vouchers in the custody of manager or trustee on the date of the audit were in agreement with the books of Accounts;	YES
d)	Whether all books, deeds, accounts, vouchers, or other documents or records required by the auditor were produced before him.	YES
e)	Whether register of movable or immovable properties is properly maintained, the changes therein are communicated from time to time to the regional office, and the defects and inaccuracies mentioned in the previous audit report have been duly complied with;	YES
f)	Whether the manager or the trustee or any other person required by the auditor to appear before him did so and furnished the necessary information required by him;	YES
g)	Whether any property or funds of the trust were applied for any object or purpose other than object of the Trust.	NO
h)	The amounts outstanding for more than one year and the amount written off, if any;	NO
i)	Whether tenders were invited for repairs or construction involving expenditure exceeding Rs.5,000/-;	YES
j)	Whether any money of the public Trust has been invested contrary to the provisions of section 35.	NO
k)	Alienation's, if any, of the immovable property contrary to the provisions of the Section 36 which have come to notice of the Auditor.	NO
l)	All cases of irregular, illegal or improper expenditure, or failure or omission to recover monies or other property belonging to the public trust or loss or waste of money or other property thereof and whether such expenditure, failure, omission, loss or waste was caused in consequence of breach of trust or misapplication or any other misconduct on the part of the trustees or any other person while in the management of the trust;	NIL
m)	Whether the Budget has been filed in the form provided by Rule 16A ;	YES
n)	Whether maximum or minimum number of trustees are maintained ;	YES
o)	Whether Meetings are held regularly as provided in such instrument;	YES
p)	Whether minute books of the proceedings of the meeting is maintained;	YES




H.O. Dombivli : 501, Mirage Arcade CHS, Opp. Ganesh Mandir, Off. Phadke Road, Dombivli (E) 421201.
Telefax : 0251 - 2438696 Telephone : 0251 - 2426191 / 2801368 / 2425525
Email : info@ca-aska.com, suhas.ambekar@ca-aska.com Website : www.ca-aska.com

Branches At : Thane, Badlapur, Karjat.

q)	Whether any of the Trustees has any interest in the investment of the Trust;	NO
r)	Whether any of the Trustees is a debtor or creditor of the Trust;	NO
s)	Whether the irregularities pointed out by the auditors in the accounts of the previous year have been duly complied with the trustees during the period of Audit;	YES
t)	Any special matter which the auditor may think fit or necessary to bring the notice of the Deputy or Assistant charity commissioner.	NO

For AMBEKAR SHELAR KARVE & AMBARDEKAR
CHARTERED ACCOUNTANTS

F.R.No.:122063W



(Handwritten Signature)

CA MANGESH A. GHANEKAR
(PARTNER)

MEMBERSHIP NO.:149885

PLACE: DOMBIVLI

DATE: 09/01/2018



Auditors Report of Mangrove & Marine Biodiversity Conservation Foundation Of Maharashtra
for the Year ended 31st March, 2017 [Annexure to Report under Section 33(2) and Rule 19 of The Bombay Public Trust Act, 1950]

To,
The Members,
MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF MAHARASHTRA,
Bandra.

Report on the Financial Statements

We have audited the accompanying financial statements of **MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF MAHARASHTRA**, which comprise the Balance Sheet as at **31st March 2017** and the statement of Income & Expenditure Account for the year then ended, and a summary of significant accounting policies and other explanatory information.

Trust Management's Responsibility for the Financial Statements

Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position, financial performance of the Trust, in accordance with the BOMBAY PUBLIC TRUST ACT, 1950. This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation of the financial statements that are free from material misstatement, whether due to fraud or error.

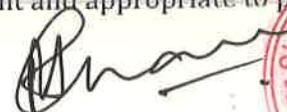
Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error.

In making those risk assessments, the auditor considers internal control relevant to the Entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.




Opinion

Subject to our General Remarks attached herewith, in our opinion and to the best of our information and according to the explanations given to us, the financial statements of **MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF MAHARASHTRA** for the year ended **March 31, 2017** give the information required by the relevant sections and rules of the BOMBAY PUBLIC TRUST ACT, 1950 in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India:

- I) In the case of Balance Sheet, of the state of affairs of the Trust as at **31st March, 2017**.
- II) In case of Income & Expenditure Account, of the **Surplus** for the year ended **31st March, 2017**.

Report on Other Legal and Regulatory Requirements

As required under rule 19 to the Bombay Public Trust Rules 1951, we furnish herewith statement of particulars as prescribed under the said rule.

Further, subject to our comments referred to in annexure attached herewith, we report that:

- a) We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit.
- b) In our opinion proper books of accounts as required by law have been kept by the Trust so far as appears from our examination of those books.
- c) The Balance Sheet and Income & Expenditure Account dealt with by this report are in agreement with the books of accounts.

For Ambekar Shelar Karve & Ambardekar
Chartered Accountants
F.R.No.122063W



(Handwritten Signature)

CA Mangesh Ghanekar
(PARTNER)
M.No. 149885

Date: 09/01/2018
Place: Dombivli

SCHEDULE IX C

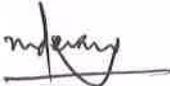
Statement of income liable to contribution for the year ending on **31st March, 2017**

Name of Public Trust **MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF MAHARASHTRA**
 Registration No. **F-66824**

	Rs.	P.	Rs.	P.
I. Income as shown in the Income & Expenditure Account (Schedule IX)			9,77,09,982	
II. Income not chargeable to contribution under Section 58 and Rule 32:				
(i) Donations received from other Public Trust and Dharmadas.				
(ii) Grants received from Government and Local authorities				
(iii) Interest on Sinking & Depreciation Fund.				
(iv) Amount spent for the purpose of secular education				
(v) Amount for the purpose of medical relief				
(vi) Amount for the purpose of Veterinary treatment of animals				
(vii) Expenditure incurred from donations for relief of distress caused by scarcity, draught, flood, fire or other natural calamity				
(viii) Deductions out of income from lands used for agricultural purposes :-				
(a) Land revenue and Local Fund Cess				
(b) Rent payable to superior landlord				
(c) Cost of production, if land are cultivated by trust				
(ix) Deduction out of income from lands used for non - agricultural purpose.				
(a) Assessment , cesses and other government or Municipal Taxes				
(b) Ground rent payable to the superior landlord				
(c) Insurance premium				
(d) Repairs at 10 percent of gross rent of building				
(e) Cost of collection at 4 percent of the gross rent of the buildings let out				
(x) Cost of collection of income or receipts from securities stock, etc. at 1 percent of such income				
(xi) Deduction on account of repairs in respect of buildings not rented and yielding no income, at 10 percent of the estimated gross annual rent.				
Gross Annual Income chargeable to contribution Rs. (I-II)			9,77,09,982	

Certified that while claiming the deduction admissible under the above schedule the Trust has not claimed any amount twice, either wholly or partly, against any of the items mentioned in the Schedule which have the effect of double - deduction.

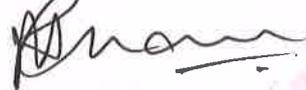
FOR MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION



TRUSTEES

DATE:09/01/2018

FOR AMBEKAR SHELAR KARVE AMBARDEKAR CHARTERED ACCOUNTANTS



**CA MANGESH A GHANKEKAR
 (PARTNER)
 M. NO. 149885
 PLACE: DOMBIVLI**



THE BOMBAY PUBLIC TRUST ACT, 1950
SCHEDULE VIII [Wide rule 17(1)]
NAME OF THE PUBLIC TRUST : MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF MAHARASHTRA

REGISTRATION NO. F 66824

BALANCE SHEET AS AT 31ST MARCH 2017		2016-17	2015-16	2016-17	2016-17
2015-16	FUNDS AND LIABILITIES	Rs.	Rs.	Rs.	Rs.
1,15,71,00,000	TRUST FUNDS OR CORPUS- Balance as per last balance sheet Add :Received During the year - Corpus Fund	-	1,15,71,00,000	-	34,72,587
50,00,000	OTHER EARNMARKED FUNDS- - Sindhudurga Chapter of Mangrove Foundation	-	50,00,000	-	18,94,919
8,16,000	LOANS (SECURED OR UNSECURED)- - Funds to Purchase Smart Phones for Guards	8,16,000	-	-	1,33,50,25,000
1,36,99,011	- Plantation Funds From DFO MMCU	1,36,99,011	-	-	-
-	- MMRDA (M.T.I.L Project) - Mangrove Plantation	4,56,29,600	6,59,64,611	-	-
-	- Central Govt Sponsorship - DFO MMCU	58,20,000	-	-	-
-	OTHER LIABILITIES	691	691	-	-
-	TDS	-	-	-	1,39,49,379
7,52,23,779	INCOME AND EXPENDITURE A/C Balance as per last balance sheet Less: Appropriations, if any Add: Surplus as per income & expenditure account Less: Deficit	7,52,23,779	7,19,64,424	53,790	2,09,11,620
-		-	14,71,88,203	-	-
1,25,18,38,790	TOTAL RS.	1,37,52,53,505	1,25,18,38,790	TOTAL RS.	1,37,52,53,505

The Above Balance Sheet to the best of My/ Our belief
Contains a true account of the Funds and Liabilities and of the
Property and assets of the trust.

FOR MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION

[Signature]
Executive Director

[Signature]
Joint Director

Dated : 09/01/2018

As per our report of even date

For Ambekar Shelar Karve & Ambardekar Chartered Accountants
FRN: 122063W
[Signature]
CA MANGESH GHANEKAR
(PARTNER)
Membership no. 149885



THE BOMBAY PUBLIC TRUST ACT, 1950 SCHEDULE - IX [VIDE RULE 17(1)]
 NAME OF THE PUBLIC TRUST : MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF MAHARASHTRA

REGISTRATION NO. F 66824

INCOME AND EXPENDITURE A/C FOR THE YEAR ENDED 31ST MARCH 2017

2015-16		2016-17		2015-16		2016-17	
Expenditure		Income					
To	Expenditure in respect of properties	-	-	By	Rent (accrued/realised)	-	-
15	Establishment expenses (As per SCHEDULE -IV)	24,33,167	-	By	Interest (accrued/realised) - On Fixed Deposits	9,55,41,782	-
To	Legal expenses	-	-	By	Donations in cash or kind - Funds from DPDC	19,02,000	-
To	Audit fees	-	-	By	Grants/subsidies	-	-
To	Expenditure on the objects of the trust (As per SCHEDULE -V)	2,27,49,765	-	By	Miscellaneous Income - Videography fees received	2,66,200	-
-	Miscellaneous Expenditure	-	-				
-	Depreciation (as per schedule I)	5,62,626	-				
To	Amounts transferred to reserve & specific funds corpus fund	-	-				
7,52,23,779	Excess of income over expenses	7,19,64,424	-	By	Excess of expenditure over income	-	-
7,64,08,610		9,77,09,982	-				9,77,09,982
FOR MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION							
 Executive Director				As per audit report of even date FOR AMBEKAR SHELAR KARVE & AMBARDEKAR CHARTERED ACCOUNTANTS FRN NO. 122063W		 CA MANGESH GHANEKAR PARTNER MEM. NO. 149885 DATED AT : 09/01/2018	

MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF MAHARASHTRA
ANNEXURES

Schedule I

FIXED ASSETS AS ON 31.3.2017

	Opening Cost	Additions		Deductions	Total Cost As on 31/3/17	Accumulated Depreciation up to 1/4/17	Depreciation for the current year	Rate of depre	Total Depreciation upto 31/3/17	Closing WDVAs On 31/3/17
		First Half	Second Half							
Civil Works at Airoli	-	38,58,430.00	-		38,58,430.00	-	3,85,843.00	10.00	3,85,843.00	34,72,587.00
Camera	-	2,85,400.00	-		2,85,400.00	-	42,810.00	15.00	42,810.00	2,42,590.00
Vehicle - Scorpio	-	-	17,55,972.00		17,55,972.00	-	1,31,697.90	15.00	1,31,697.90	16,24,274.10
Video Conference Unit	-	-	30,330.00		30,330.00	-	2,274.75	15.00	2,274.75	28,055.25
Total	-	41,43,830.00	17,86,302.00	-	59,30,132.00	-	5,62,625.65	-	5,62,625.65	53,67,506.35

As On 31/03/2016



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SCHEDULE II
FIXED DEPOSITS AS ON 31/3/2017

MANGROVE & MARINE BIODIVERSITY CONSERVATION
FOUNDTAION OF MAHARASHTRA

Particulars	Face value
FD with Punjab National Bank	1,15,71,00,000.00
Auto Sweep FD with Union Bank of India	17,79,25,000.00
TOTAL	1,33,50,25,000.00




SCHEDULE -III**CASH & BANK BALANCES AS ON 31.3.2017**

PARTICULARS	TOTAL
a) Union Bank of India	2,09,11,620.00
b) Cash in Hand	-

SCHEDULE -IV**ESTABLISHMENT EXPENSES**

PARTICULARS	TOTAL
Bank Charges	749.00
Fuel Charges	66,915.00
Mangrove Foundation Logo	25,000.00
Office Expenses	7,60,911.00
Stationery	17,532.00
Supply of Manpower / Clerks / Peons	10,49,113.00
Travel Expenses	13,300.00
Vehicle Maintanance	4,99,647.00
TOTAL	24,33,167.00

SCHEDULE -V**EXPENDITURE ON OBJECTS OF TRUST**

PARTICULARS	TOTAL
Conferences	17,77,207.00
Booklet - Business of Biodiversity	49,664.00
Inauguration of CMBC, Airoli	2,18,771.00
Mangrove Clean Campaign 2016- Carter Road	7,52,000.00
Mangrove Day 2016	97,704.00
Sponsorship for Mangrove Marathon 2017	1,83,500.00
Sponsorship to BNHS for Flamingo Festival	5,00,000.00
Plantation	13,43,224.00
CIFT - Square Mesh Net Project	16,57,920.00
IWST-Development of Integrated Pest Mgmt Strategies	7,70,000.00
IWST-Development of Procedure for Forensic Identifi	13,23,000.00
IWST-Wood Anatomical Studies of Imp Mangrove Specie	16,30,000.00
Preparation of Proposal for MMRDA Funds	2,99,000.00
Proposal on Conservatio of Mari.Bio. in MMR	2,00,000.00
SACON - Wetland Project	6,31,080.00
Species Diversity and Foraging Behaviour of Waders	1,17,200.00
Sponsorship to BNHS for Book - Sea Slug of India	2,10,000.00
Capacity Building	9,04,450.00
Ecotourism	57,82,361.00
Publicity	13,40,213.00
Restoration of Mangroves	29,62,471.00
TOTAL	2,27,49,765.00



Audited Financial Reports from 2017 – 18

**AMBEKAR SHELAR KARVE & AMBARDEKAR
CHARTERED ACCOUNTANTS**

501, Mirage Arcade, Off Phadke Road, Opposite Ganesh Mandir, Dombivli (East) – 421 501

**Auditors Report of Mangrove & Marine Biodiversity Conservation
Foundation Of Maharashtra
for the Year ended 31st March, 2018 [Annexure to Report under Section 33(2) and
Rule 19 of The Bombay Public Trust Act, 1950]**

To,
The Members,
**MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF
MAHARASHTRA,**
Bandra.

Report on the Financial Statements

We have audited the accompanying financial statements of **MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF MAHARASHTRA**, which comprise the Balance Sheet as at **31st March 2018** and the statement of Income & Expenditure Account for the year then ended, and a summary of significant accounting policies and other explanatory information.

Trust Management's Responsibility for the Financial Statements

Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position, financial performance of the Trust, in accordance with the BOMBAY PUBLIC TRUST ACT, 1950. This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation of the financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement. An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error.

In making those risk assessments, the auditor considers internal control relevant to the Entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the



accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

Subject to our General Remarks attached herewith, in our opinion and to the best of our information and according to the explanations given to us, the financial statements of **MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF MAHARASHTRA** for the year ended **March 31, 2018** give the information required by the relevant sections and rules of the BOMBAY PUBLIC TRUST ACT, 1950 in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India:

- I) In the case of Balance Sheet, of the state of affairs of the Trust as at **31st March, 2018**.
- II) In case of Income & Expenditure Account, of the **Surplus** for the year ended **31st March, 2018**.

Report on Other Legal and Regulatory Requirements

As required under rule 19 to the Bombay Public Trust Rules 1951, we furnish herewith statement of particulars as prescribed under the said rule.

Further, subject to our comments referred to in annexure attached herewith, we report that:

- a) We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit.
- b) In our opinion proper books of accounts as required by law have been kept by the Trust so far as appears from our examination of those books.
- c) The Balance Sheet and Income & Expenditure Account dealt with by this report are in agreement with the books of accounts.

For Ambekar Shelar Karve & Ambardekar

Chartered Accountants

F.R.No.122063W

CA Mangesh Ghanekar

(PARTNER)

M.No. 149885

Date:30/09/2018

Place: Dombivli



Report of an Auditor relating to accounts audited under
Sub-section (2) of section 33&34 and rule 19 of the
Bombay Public Trust Act.

Registration No: **F-66824**

Name of the Trust: **MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF
MAHARASHTRA**

For the Year ending on: **31st March, 2018**

	Observations	Remark
a)	Whether accounts are maintained regularly and in accordance with the provisions of the Act and the Rules;	YES
b)	Whether receipts and disbursements are properly and correctly shown in accounts;	YES
c)	Whether cash balance and vouchers in the custody of manager or trustee on the date of the audit were in agreement with the books of Accounts;	YES
d)	Whether all books, deeds, accounts, vouchers, or other documents or records required by the auditor were produced before him.	YES
e)	Whether register of movable or immovable properties is properly maintained , the changes therein are communicated from time to time to the regional office, and the defects and inaccuracies mentioned in the previous audit report have been duly complied with;	YES
f)	Whether the manager or the trustee or any other person required by the auditor to appear before him did so and furnished the necessary information required by him;	YES
g)	Whether any property or funds of the trust were applied for any object or purpose other than object of the Trust.	NO
h)	The amounts outstanding for more than one year and the amount written off ,if any;	NO
i)	Whether tenders were invited for repairs or construction involving expenditure exceeding Rs.5,000/-;	YES
j)	Whether any money of the public Trust has been invested contrary to the provisions of section 35.	NO
k)	Alienation's, if any, of the immovable property contrary to the provisions of the Section 36 which have come to notice of the Auditor.	NO
l)	All cases of irregular , illegal or improper expenditure, or failure or omission to recover monies or other property belonging to the public trust or loss or waste of money or other property thereof and whether such expenditure ,failure , omission, loss or waste was caused in consequence of breach of trust or misapplication or any other misconduct on the part of the trustees or any other person while in the management of the trust;	NIL
m)	Whether the Budget has been filed in the form provided by Rule 16A ;	YES
n)	Whether maximum or minimum number of trustees are maintained ;	YES
o)	Whether Meetings are held regularly as provided in such instrument;	YES
p)	Whether minute books of the proceedings of the meeting is maintained;	YES



q)	Whether any of the Trustees has any interest in the investment of the Trust;	NO
r)	Whether any of the Trustees is a debtor or creditor of the Trust;	NO
s)	Whether the irregularities pointed out by the auditors in the accounts of the previous year have been duly complied with the trustees during the period of Audit;	YES
t)	Any special matter which the auditor may think fit or necessary to bring the notice of the Deputy or Assistant charity commissioner.	NO

For AMBEKAR SHELAR KARVE & AMBARDEKAR
 CHARTERED ACCOUNTANTS
 F.R.No.:-122063W



(Handwritten Signature)

CA MANGESH A. GHANEKAR
 (PARTNER)
 MEMBERSHIP NO.:149885
 PLACE: DOMBIVLI

DATE: 30/09/2018

SCHEDULE IX C

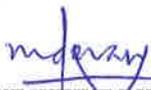
Statement of income liable to contribution for the year ending on 31st March, 2018

Name of Public Trust MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF
MAHARASHTRA
Registration No. F-66824

	Rs.	P.	Rs.	P.
I. Income as shown in the Income & Expenditure Account (Schedule IX)			20,31,53,775	
II. Income not chargeable to contribution under Section 58 and Rule 32:				
(i) Donations received from other Public Trust and Dharmadas.				
(ii) Grants received from Government and Local authorities		5,36,91,622		
(iii) Interest on Sinking & Depreciation Fund.				
(iv) Amount spent for the purpose of secular education				
(v) Amount for the purpose of medical relief				
(vi) Amount for the purpose of Veterinary treatment of animals				
(vii) Expenditure incurred from donations for relief of distress caused by scarcity, draught, flood, fire or other natural calamity				
(viii) Deductions out of income from lands used for agricultural purposes :-				
(a) Land revenue and Local Fund Cess				
(b) Rent payable to superior landlord				
(c) Cost of production, if land are cultivated by trust				
(ix) Deduction out of income from lands used for non - agricultural purpose.				
(a) Assessment, cesses and other government or Municipal Taxes				
(b) Ground rent payable to the superior landlord				
(c) Insurance premium				
(d) Repairs at 10 percent of gross rent of building				
(e) Cost of collection at 4 percent of the gross rent of the buildings let out				
(x) Cost of collection of income or receipts from securities stock, etc. at 1 percent of such income				
(xi) Deduction on account of repairs in respect of buildings not rented and yielding no income, at 10 percent of the estimated gross annual rent.				
Gross Annual Income chargeable to contribution Rs. (I-II)			14,94,62,153	

Certified that while claiming the deduction admissible under the above schedule the Trust has not claimed any amount twice, either wholly or partly, against any of the items mentioned in the Schedule which have the effect of double - deduction.

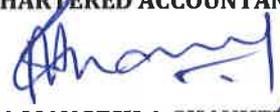
FOR MANGROVE & MARINE BIODIVERSITY
CONSERVATION FOUNDATION


EXECUTIVE DIRECTOR


JOINT DIRECTOR

DATE: 30/09/2018

FOR AMBEKAR SHELAR KARVE AMBARDEKAR
CHARTERED ACCOUNTANTS


CA MANGESH A GHANEKAR
(PARTNER)
M. NO. 149885
PLACE: DOMBIVLI



THE BOMBAY PUBLIC TRUST ACT, 1950 SCHEDULE - IX [VIDE RULE 17(1)]
NAME OF THE PUBLIC TRUST : MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF MAHARASHTRA
INCOME AND EXPENDITURE A/C FOR THE YEAR ENDED 31ST MARCH 2018

REGISTRATION NO. F 66824

2016-17	Expenditure	2017-2018	2016-2017	Income	2017-2018
	Expenditure in respect of properties			Rent (accrued/realised)	
To		-	-	By	-
24,33,167	Establishment expenses (As per SCHEDULE -IV)	3,04,93,899	9,55,41,782	By	14,84,82,905
-	Legal expenses	-	-	By	-
-	Audit fees	25,000	-	By	-
2,27,49,765	Expenditure on the objects of the trust (As per SCHEDULE -V)	11,38,24,729	-	By	-
-	Miscellaneous Expenditure	-	-	By	9,79,248
5,62,626	Depreciation (as per schedule I)	16,85,634	-	Revenue from CMBC, Airoli	5,79,329
-	Amounts transferred to reserve & specific funds corpus fund	-	-	Accrued Income-UNDP SEED Money	5,31,12,293
6,97,96,224	Excess of income over expenses	5,71,24,513	-	By	-
9,55,41,782		20,31,53,775	9,55,41,782	Excess of expenditure over income	-
FOR MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION					20,31,53,775

As per audit report of even date
 FOR AMBEKAR SHELAR KARVE & AMBARDEKAR
 CHARTERED ACCOUNTANTS
 FRN No: 122063W



CA MANGESH GHANEKAR
 PARTNER
 MEM. NO. 149885
 DATED AT : 30/09/2018

[Signature]
 Executive Director

[Signature]
 Joint Director

MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF MAHARASHTRA

ANNEXURES

Schedule I

FIXED ASSETS AS ON 31.3.2018

	Original cost	Additions		Deductions	Total Cost As on 31/3/18	Accumulated Depreciation upto 1/4/17	Depreciation for the current year	Rate of depre	Total Depreciation upto 31/3/18	Closing WDV As On 31/3/18
		First Half	Second Half							
Civil Works at Airoli	38,58,430.00	-	-	-	38,58,430.00	3,83,843.00	3,47,258.70	10.00	7,33,101.70	31,25,328.30
Camera	2,85,400.00	27,700.00	-	-	3,13,100.00	42,810.00	40,543.50	15.00	83,353.50	2,29,746.50
Computers	-	4,10,190.00	4,07,700.00	-	8,17,890.00	-	2,45,616.00	40.00	2,45,616.00	5,72,274.00
Vehicle - Scorpio	17,55,972.00	-	-	-	17,55,972.00	1,31,697.90	2,43,641.12	15.00	3,75,339.02	13,80,632.99
Scanners	-	34,600.00	74,192.00	-	1,08,792.00	-	28,678.40	40.00	28,678.40	80,113.60
Video Conference Unit	30,330.00	-	46,125.00	-	76,455.00	2,274.75	7,667.66	15.00	9,942.41	66,512.59
Executive chair	-	36,017.00	-	-	36,017.00	-	3,601.70	10.00	3,601.70	32,415.30
Office Tables and Chairs	-	78,632.00	-	-	78,632.00	-	7,863.20	10.00	7,863.20	70,768.80
Speed boat	-	-	14,00,000.00	-	14,00,000.00	-	1,40,000.00	20.00	1,40,000.00	12,60,000.00
Pantoon Boat	-	9,01,380.00	3,563.00	-	9,04,943.00	-	1,80,632.30	20.00	1,80,632.30	7,24,310.70
Vehicle-Honda city	-	10,87,403.00	-	-	10,87,403.00	-	1,63,110.45	15.00	1,63,110.45	9,24,292.55
Vehicle-Two wheelers	-	-	5,91,000.00	-	5,91,000.00	-	44,325.00	15.00	44,325.00	5,46,675.00
Generator(Diesel) at Airoli	-	-	20,14,807.00	-	20,14,807.00	-	1,51,110.53	15.00	1,51,110.53	18,63,696.48
Interpretation center	-	-	-	-	-	-	-	-	-	-
EPABX	-	-	64,396.00	-	64,396.00	-	4,829.70	15.00	4,829.70	59,566.30
Laptops	-	-	1,24,490.00	-	1,24,490.00	-	24,898.00	40.00	24,898.00	99,592.00
LG Tv 55 "	-	-	1,97,800.00	-	1,97,800.00	-	14,835.00	15.00	14,835.00	1,82,965.00
LG Tv 65 "	-	-	2,99,900.00	-	2,99,900.00	-	22,492.50	15.00	22,492.50	2,77,407.50
PA Mixer Amplifier	-	-	1,52,016.00	-	1,52,016.00	-	11,401.20	15.00	11,401.20	1,40,614.80
Printers	-	-	41,723.00	-	41,723.00	-	3,129.23	15.00	3,129.23	38,593.78
Total										
Total	59,30,132.00	25,75,922.00	54,17,712.00	-	1,39,23,766.00	5,62,625.65	16,85,634.18	-	22,48,259.83	1,16,75,506.17



SCHEDULE II**FIXED DEPOSITS AS ON 31/3/2018****MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF MAHARASHTRA**

Particulars	Face value
FD with Canara Bank	61,31,00,000.00
FD with Indian Overseas Bank, Dombivli	24,98,00,000.00
FD with Punjab National Bank	1,15,71,00,000.00
FD Union Bank of India	25,00,00,000.00
Auto Sweep FD	5,05,00,000.00
TOTAL	2,32,05,00,000.00



SCHEDULE -III**CASH & BANK BALANCES AS ON 31.3.2018**

PARTICULARS	TOTAL
a) Canara Bank	2,36,829.00
b) Punjab National Bank	2,64,75,681.00
c) Union Bank of India	14,38,832.00
d) IDBI	10,00,00,000.00
e) Indian Overseas Bank	4,42,96,378.00
f) Cash balance	4,777.00
TOTAL	17,24,52,497.00

SCHEDULE -IV**ESTABLISHMENT EXPENSES**

PARTICULARS	TOTAL
Advertisements	8,44,239.00
Professional Fees to staff	29,51,123.00
Airoli centre-Staff, Security, Staff Souvenir shop, Maintenance cost	1,31,55,947.00
Bank charges	5,205.00
Office Expenses-Furniture Layout	49,920.00
Electricity Expenditure	1,81,390.00
Fuel & Maintenance	34,92,493.00
Office Expenses	14,61,802.00
Professional Fees to Clerks/Peons	53,89,324.00
Rent for DFO MMCU Office	13,96,000.00
Rent of RFO Malvans office	76,389.00
Stationery	10,21,492.00
Telephone Expenditure	99,649.00
Travel Expenses	3,68,926.00
TOTAL	3,04,93,899.00

SCHEDULE -V**EXPENDITURE ON OBJECTS OF TRUST**

PARTICULARS	TOTAL
Conferences, workshps, Training	15,83,293.00
Exposure visits	5,36,676.00
Research on various Coastal and Marine Biodiversity	81,000.00
BHNS-Bird Monitoring and Mitigation Measures	3,32,21,000.00
BHNS-Elucidating the Migratory Routes-Water Birds	29,74,200.00
CIBA-Mapping of Coastal Resources , Brackishwater	15,00,000.00
IIST-Monitoring of Health of Mangroves, Species	51,09,000.00
Interior Modification of Building 1 at CMBC Airoli	2,75,000.00
IWST -Wood Anatomical Studies of Imp Mangrove Specie	2,63,000.00
Mahaonline LTd-Website Devlopment for Mangrove Cell	8,78,025.00
SACON - Wetland Project	4,20,720.00
Shortening & Editing Film on CMPA -GIZ Project	59,800.00
Species Diversity and Foraging Behaviour of Waders	1,75,800.00
Livelihood Related Activities Alongwith the Maha Coast	55,51,500.00
Ornamental Fish Master Facility at Airoli	29,48,055.00
Purchase of Crablets	4,26,748.00
Ecotourism	53,345.00
Mangrove Park at Dahisar	33,81,725.00
Sponsorship at awareness Initiatives and Programmes	17,63,198.00
Communication and Distribution Material	96,96,859.00
Other Protection Measures	11,95,862.00
Encroachment Removal	28,41,906.00
Restoration of Mangroves	1,42,82,559.00
Security Personnel cost	1,27,05,183.00
Survey and Demarcation of Mangrove Forest Boundry	4,00,380.00
CMS Website for Mangrove Cell, Mumbai	2,73,000.00
Design Museum Building of Gaints of Sea at Airoli	88,500.00
Other activities	1,60,000.00
Expenditure on MMRDA Funds	11,92,282.00
Mangrove Plantation under MMRDA	50,00,000.00
Gas Distribution	16,60,000.00
Mangrove Nursery work & Plantation	4,08,861.00
Professional Fees to Project Associates for SCHEME	25,02,618.00
Recruitment Expenses of Project Associates	1,73,134.00
Workshops and conferences under SCHEME	41,500.00
TOTAL	11,38,24,729.00



Audited Financial Reports from 2018 – 19

AMBEKAR SHELAR KARVE & AMBARDEKAR CHARTERED ACCOUNTANTS

501, Mirage Arcade, Off Phadke Road, Opposite Ganesh Mandir, Dombivli (East) – 421 501

Report of an Auditor relating to accounts audited under
Sub-section (2) of section 33&34 and rule 19 of the
Bombay Public Trust Act.

Registration No: **F-66824**

Name of the Trust: **MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF
MAHARASHTRA**

For the Year ending on: **31st March, 2019**

	Observations	Remark
a)	Whether accounts are maintained regularly and in accordance with the provisions of the Act and the Rules;	YES
b)	Whether receipts and disbursements are properly and correctly shown in accounts;	YES
c)	Whether cash balance and vouchers in the custody of manager or trustee on the date of the audit were in agreement with the books of Accounts;	YES
d)	Whether all books, deeds, accounts, vouchers, or other documents or records required by the auditor were produced before him.	YES
e)	Whether register of movable or immovable properties is properly maintained , the changes therein are communicated from time to time to the regional office, and the defects and inaccuracies mentioned in the previous audit report have been duly complied with;	YES
f)	Whether the manager or the trustee or any other person required by the auditor to appear before him did so and furnished the necessary information required by him;	YES
g)	Whether any property or funds of the trust were applied for any object or purpose other than object of the Trust.	NO
h)	The amounts outstanding for more than one year and the amount written off ,if any;	NO
i)	Whether tenders were invited for repairs or construction involving expenditure exceeding Rs.5,000/-;	YES
j)	Whether any money of the public Trust has been invested contrary to the provisions of section 35.	NO
k)	Alienation's, if any, of the immovable property contrary to the provisions of the Section 36 which have come to notice of the Auditor.	NO
l)	All cases of irregular , illegal or improper expenditure, or failure or omission to recover monies or other property belonging to the public trust or loss or waste of money or other property thereof and whether such expenditure ,failure , omission, loss or waste was caused in consequence of breach of trust or misapplication or any other misconduct on the part of the trustees or any other person while in the management of the trust;	NIL
m)	Whether the Budget has been filed in the form provided by Rule 16A ;	YES
n)	Whether maximum or minimum number of trustees are maintained ;	YES
o)	Whether Meetings are held regularly as provided in such instrument;	YES
p)	Whether minute books of the proceedings of the meeting is maintained;	YES



q)	Whether any of the Trustees has any interest in the investment of the Trust;	NO
r)	Whether any of the Trustees is a debtor or creditor of the Trust;	NO
s)	Whether the irregularities pointed out by the auditors in the accounts of the previous year have been duly complied with the trustees during the period of Audit;	YES
t)	Any special matter which the auditor may think fit or necessary to bring the notice of the Deputy or Assistant charity commissioner.	NO

**For AMBEKAR SHELAR KARVE & AMBARDEKAR
CHARTERED ACCOUNTANTS
F.R.No.:-122063W**



(Handwritten Signature)

**CA MANGESH A. GHANEKAR
(PARTNER)
MEMBERSHIP NO.:149885
PLACE: DOMBIVLI**

**DATE: 31/10/2019
UDIN: 19149885AAAAABW7620**

**AMBEKAR SHELAR KARVE & AMBARDEKAR
CHARTERED ACCOUNTANTS**

501, Mirage Arcade, Off Phadke Road, Opposite Ganesh Mandir, Dombivli (East) – 421 501

**Auditors Report of Mangrove & Marine Biodiversity Conservation Foundation
Of Maharashtra**

**for the Year ended 31st March, 2019 [Annexure to Report under Section 33(2) and
Rule 19 of The Bombay Public Trust Act, 1950]**

To,
The Members,
**MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF
MAHARASHTRA,**
Bandra.

Report on the Financial Statements

We have audited the accompanying financial statements of **MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF MAHARASHTRA**, which comprise the Balance Sheet as at **31st March 2019** and the statement of Income & Expenditure Account for the year then ended, and a summary of significant accounting policies and other explanatory information.

Trust Management's Responsibility for the Financial Statements

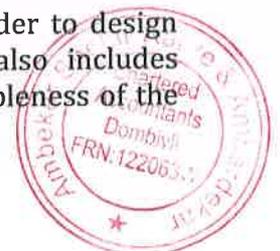
Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position, financial performance of the Trust, in accordance with the BOMBAY PUBLIC TRUST ACT, 1950. This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation of the financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error.

In making those risk assessments, the auditor considers internal control relevant to the Entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the



accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion and to the best of our information and according to the explanations given to us, the financial statements of **MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF MAHARASHTRA** for the year ended **March 31, 2019** give the information required by the relevant sections and rules of the BOMBAY PUBLIC TRUST ACT, 1950 in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India:

- I) In the case of Balance Sheet, of the state of affairs of the Trust as at **31st March, 2019**.
- II) In case of Income & Expenditure Account, of the **Surplus** for the year ended **31st March, 2019**.

Report on Other Legal and Regulatory Requirements

As required under rule 19 to the Bombay Public Trust Rules 1951, we furnish herewith statement of particulars as prescribed under the said rule.

Further, subject to our comments referred to in annexure attached herewith, we report that:

- a) We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit.
- b) In our opinion proper books of accounts as required by law have been kept by the Trust so far as appears from our examination of those books.
- c) The Balance Sheet and Income & Expenditure Account dealt with by this report are in agreement with the books of accounts.

**For Ambekar Shelar Karve & Ambardekar
Chartered Accountants**

F.R.No.122063W



**CA Mangesh Ghanekar
(PARTNER)
M.No. 149885**

Date:31/10/2019

Place: Dombivli

UDIN: 19149885AAAABW7620

SCHEDULE IX C

Statement of income liable to contribution for the year ending on 31st March, 2019

Name of Public Trust MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF
MAHARASHTRA
Registration No. F-66824

	Rs.	P.	Rs.	P.
I. Income as shown in the Income & Expenditure Account (Schedule IX)			27,19,78,100	
II. Income not chargeable to contribution under Section 58 and Rule 32:				
(i) Donations received from other Public Trust and Dharmadas.				
(ii) Grants received from Government and Local authorities		10,48,32,499		
(iii) Interest on Sinking & Depreciation Fund.				
(iv) Amount spent for the purpose of secular education				
(v) Amount for the purpose of medical relief				
(vi) Amount for the purpose of Veterinary treatment of animals				
(vii) Expenditure incurred from donations for relief of distress caused by scarcity, draught, flood, fire or other natural calamity				
(viii) Deductions out of income from lands used for agricultural purposes : -				
(a) Land revenue and Local Fund Cess				
(b) Rent payable to superior landlord				
(c) Cost of production, if land are cultivated by trust				
(ix) Deduction out of income from lands used for non - agricultural purpose.				
(a) Assessment, cesses and other government or Municipal Taxes				
(b) Ground rent payable to the superior landlord				
(c) Insurance premium				
(d) Repairs at 10 percent of gross rent of building				
(e) Cost of collection at 4 percent of the gross rent of the buildings let out				
(x) Cost of collection of income or receipts from securities stock, etc. at 1 percent of such income				
(xi) Deduction on account of repairs in respect of buildings not rented and yielding no income, at 10 percent of the estimated gross annual rent.				
Gross Annual Income chargeable to contribution Rs. (I-II)			16,71,45,601	

Certified that while claiming the deduction admissible under the above schedule the Trust has not claimed any amount twice, either wholly or partly, against any of the items mentioned in the Schedule which have the effect of double - deduction.

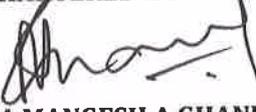
FOR MANGROVE & MARINE BIODIVERSITY
CONSERVATION FOUNDATION


EXECUTIVE DIRECTOR


JOINT DIRECTOR

DATE: 31/10/2019

FOR AMBEKAR SHELAR KARVE AMBARDEKAR
CHARTERED ACCOUNTANTS


CA MANGESH A GHANKEKAR
(PARTNER)

M. NO. 149885

PLACE: DOMBIVLI

UDIN: 19149885AAAABY6801



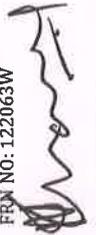
THE BOMBAY PUBLIC TRUST ACT, 1950 SCHEDULE - IX [VIDE RULE 17(1)]
NAME OF THE PUBLIC TRUST : MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION OF MAHARASHTRA
REGISTRATION NO. F 66824
INCOME AND EXPENDITURE A/C FOR THE YEAR ENDED 31ST MARCH 2019

2017-18		2018-2019		2017-2018		2018-2019	
Expenditure		Income		Income		Income	
To	Expenditure in respect of properties	-	-	By	Rent (accrued/realised)	-	-
3,04,93,899	Establishment expenses (As per SCHEDULE -IV)	4,09,79,324	14,84,82,905	By	Interest (accrued/realised) - On Fixed Deposits (Flexi Plus Saving A/c)	16,39,45,601	
To	Legal expenses	-	-	By	Donations in cash or kind	-	
25,000	Audit fees	40,000	-	By	Grants/subsidies	-	
11,38,24,729	Expenditure on the objects of the trust (As per SCHEDULE -V)	21,24,75,446	-	By	Miscellaneous Income Revenue from CMBC, Airoli	32,47,570	
To	Miscellaneous Expenditure	-	-	By	Accrued Income-UNDP SEED Money	12,66,731	
16,85,634	Depreciation (as per schedule I)	26,99,180	-	By	Accrued/ Due Income	10,03,18,198	
To	Amounts transferred to reserve & specific funds corpus fund	-	-	By	CSR Funds	32,00,000	
5,71,24,513	Excess of income over expenses	1,57,84,150	-				
20,31,53,775		27,19,78,100	20,31,53,775				27,19,78,100

FOR MANGROVE & MARINE BIODIVERSITY CONSERVATION FOUNDATION

As per audit report of even date
 FOR AMBEKAR SHELAR KARVE & AMBARDEKAR
 CHARTERED ACCOUNTANTS
 FRN NO: 122063W


 Executive Director


 Joint Director



CA MANGESH GHANEKAR
 PARTNER
 MEM. NO. 149885
 DATED AT : 31/10/2019

ANNEXURES
Schedule I

FIXED ASSETS AS ON 31.3.2019

	Original cost	Additions		Deductions	Total Cost As on 31/3/19	Depreciation for the current year	Rate of depre	Total Depreciation upto 31/3/19	Closing WDV As On 31/3/19
		First Half	Second Half						
Civil Works for Redevelopment at Airoli	31,25,328.30	-	-		31,25,328.30	3,12,532.83	10.00	3,12,532.83	28,12,795.47
Camera	2,29,746.50	-	-		2,29,746.50	34,461.98	15.00	34,461.98	1,95,284.53
Canon Xerox Machine		2,38,832.00			2,38,832.00	35,824.80	15.00	35,824.80	2,03,007.20
Computers	5,72,274.00	1,11,847.00	75,375.00		7,59,496.00	2,88,723.40	40.00	2,88,723.40	4,70,772.60
Vehicle - Scorpio	13,80,632.98	-	-		13,80,632.98	2,07,094.95	15.00	2,07,094.95	11,73,538.03
Scanners	80,113.60				80,113.60	32,045.44	40.00	32,045.44	48,068.16
Video Conference Unit	66,512.59	-	51,050.00		1,17,562.59	13,805.64	15.00	13,805.64	1,03,756.95
Executive chair	32,415.30		-		32,415.30	3,241.53	10.00	3,241.53	29,173.77
Office Tables and Chairs	70,768.80		1,51,700.00		2,22,468.80	14,661.88	10.00	14,661.88	2,07,806.92
Binoculars		3,21,800.00			3,21,800.00	48,270.00	15.00	48,270.00	2,73,530.00
Scuba Dive Equipment			2,58,808.00		2,58,808.00	25,880.80	20.00	25,880.80	2,32,927.20
Speed boat	12,60,000.00	20,00,000.00			32,60,000.00	6,52,000.00	20.00	6,52,000.00	26,08,000.00
Pantoon Boat	7,24,310.70				7,24,310.70	1,44,862.14	20.00	1,44,862.14	5,79,448.56
Vehicle-Honda city	9,24,292.55				9,24,292.55	1,38,643.88	15.00	1,38,643.88	7,85,648.67
Vehicle Tata Hexa			13,89,357.66		13,89,357.66	1,04,201.82	15.00	1,04,201.82	12,85,155.84
Vehicle-Two wheelers	5,46,675.00	2,000.00			5,48,675.00	82,301.25	15.00	82,301.25	4,66,373.75
Generator(Diesel) at Airoli									
Inerpretation center	18,63,696.47	-			18,63,696.47	2,79,554.47	15.00	2,79,554.47	15,84,142.00
EPABX	59,566.30	-			59,566.30	8,934.95	15.00	8,934.95	50,631.36
Laptops	99,592.00	1,75,000.00	2,94,765.00		5,69,357.00	1,68,789.80	40.00	1,68,789.80	4,00,567.20
LG Tv 55 "	1,82,965.00	-			1,82,965.00	27,444.75	15.00	27,444.75	1,55,520.25
LG Tv 65 "	2,77,407.50	-			2,77,407.50	41,611.13	15.00	41,611.13	2,35,796.38
PA Mixer Amplifier	1,40,614.80	-			1,40,614.80	21,092.22	15.00	21,092.22	1,19,522.58
Printers	38,593.78	49,407.00			88,000.78	13,200.12	15.00	13,200.12	74,800.66
Total	1,16,75,506.17	28,98,886.00	22,21,055.66	-	1,67,95,447.83	26,99,179.77	-	26,99,179.77	1,40,96,268.07



SCHEDULE II
FIXED DEPOSITS AS ON 31/3/2019

Particulars	Face value
FD with Canara Bank	86,31,00,000.00
FD with IDBI	2,50,50,000.00
FD with Punjab National Bank	1,38,87,00,000.00
Auto Sweep FD	35,00,000.00
TOTAL	2,28,03,50,000.00



**SCHEDULE -III
CASH & BANK BALANCES AS ON 31.3.2019**

PARTICULARS	TOTAL
Canara Bank	4,72,43,738.97
Punjab National Bank	5,26,01,141.00
Union Bank of India	16,31,431.98
IDBI	24,52,030.60
Indian Overseas Bank	1,174.25
Cash balance	4,402.00
TOTAL	10,39,33,918.80

**SCHEDULE -IV
ESTABLISHMENT EXPENSES**

PARTICULARS	TOTAL
Advertisements	17,82,926.00
Professional Fees to staff	85,15,629.00
Airoli centre-Staff,Security, Staff Souvenir shop	10,19,993.00
Airoli Facia & Taruvar Gardening Bills	9,15,469.00
Airoli Interpretation Centre - Maintenance Cost	36,71,127.00
Bank charges	61,783.76
Electricity Expenditure	4,43,157.00
Electricity, Telephone, Stationery Expenses	1,56,683.00
Fuel & Maintenance	29,11,917.76
Honorarium	73,700.00
Meeting Expenses	33,236.00
Office Expenses	23,14,373.60
Professional Fees to Clerks/Peons	83,58,731.00
Renovation/ Repair Works of New Office at CST	3,77,985.00
Rent for DFO MMCU Office	14,52,000.00
Rent for Office at CSTM	67,45,642.00
Rent for RFO Alibaug Office	29,946.00
Rent of RFO Malvans office	2,62,344.00
Stationery	4,74,758.00
Telephone Expenditure	1,29,293.00
Travel Expenses	12,48,630.00
TOTAL	4,09,79,324.12

**SCHEDULE -V
EXPENDITURE ON OBJECTS OF TRUST**

PARTICULARS	TOTAL
Conferences, workshops, Training, Events	27,87,734.00
Exposure visits	1,08,720.00
Research on various Coastal and Marine Biodiversity	3,82,500.00
BHNS-Bird Monitoring and Mitigation Measures	5,44,45,560.00
BHNS-Elucidating the Migratory Routes-Water Birds	42,92,800.00
CIBA-Mapping of Coastal Resources , Brackishwater	6,50,000.00
IWST-Development of Integrated Pest Management Strategies	6,56,000.00
R D College- Documentation of Mangrove & Associates	20,000.00
IWST -Wood Anatomical Studies of Imp Mangrove Specie	5,42,000.00
Small Grants Programme for Research Projects	1,81,520.00
Livelihood Related Activities Alongwith the Maha Coast	77,06,000.00
Ornamental Fish Master Facility at Airoli	2,25,867.00
TA DA to Project Associates	63,807.00
Ecotourism	45,000.00
Mangrove Park at Dahisar	27,98,163.00
Sponsorship at awareness Initiatives and Programmes	7,60,663.00
Awareness (Chariot Display)-Republic Day 2019	18,58,500.00
Awareness Programme- Matsabij Kndra Bhumipujan-Chippi	88,121.00
Awareness programme- Plantation Week 2018	3,43,400.00
Balasaheb Khardekar College- Wetland day & Mangrove	25,000.00
Bluecon 2019	2,39,400.00
Clean Mangrove Campaign	21,96,639.00
Coastwise Event Dec-2018 to Jan 2019	94,268.00
Krushni Mahostav & Kandalvan Sarakshan	10,79,700.00
Maharashtra State Biodiversity Board	1,65,494.00
National Symposium on Coastal Agriculture	2,00,000.00
Wetland Day 2019	57,942.00
Communication and Distribution Material	15,55,728.00
Other Protection Measures	51,14,746.00
Plantation and Restoration of Degraded Mangrove Are	3,71,45,910.00
Encroachment Removal	24,47,545.00
Security Personnel cost	3,24,80,310.00
CCTV Camera Vigilance Network	2,11,455.00
Establishing Stranding Management Centre - Alibaug	11,11,000.00
Establishing Stranding Mangement Centre - Dahanu	19,93,040.00
Preservative Expenses on Marine Stranded Animals	3,91,459.00
1A Construction Of Protection Wall	43,13,156.00
9. Mangrove Sanctuary	10,34,609.00
Mangrove Plantation under MMRDA	3,47,04,873.00
MCMC Formation	12,000.00
Mud Crab Farming Activity Under SCHEME	1,57,450.00
Oyster Farming Related Activities	26,000.00
Sea Bass Related Expenditure	4,09,874.00
Professional Fees to Project Associates for SCHEME	43,16,981.00
Expenditure from CSR funds	30,34,512.00
TOTAL	21,24,75,446.00



FORM NO.10

[See rule 17(2)]

Statement to be furnished to the Assessing Officer/Prescribed Authority under sub-section (2) of section 11 of the Income-tax Act, 1961

To,
The Assessing Officer
Exemption Ward 2(1), Piramal Chambers, Mumbai

I, **NARAYANA VASUDEVAN** on behalf of **MANGROVE AND MARINE BIODIVERSITY CONSERVATION FOUNDATION OF MAHARASHTRA** Permanent Account Number **AAETM4470G** hereby bring to your notice that it has been decided by a resolution passed by the trustees/governing body, by whatever name called, on **31/07/2019** that, out of the income of the trust/institution/association for the previous year, relevant to the assessment year **2019-20** an amount of Rs **152751994** which is **85** per cent of the income of the trust/institution/association for the said previous year, shall be accumulated or set apart for carrying out the purposes of the trust/association/institution. The details of the amount, the purpose and period of the proposed accumulation or setting apart is as under:-

Sl.No	Purpose for which amount is being accumulated or set apart	Amount	Period of accumulation/ setting apart ending on
1	Conservation of Environment	152751994	31/03/2024

2. The amount so accumulated or set apart has been invested or deposited in any one or more of the forms or modes specified in sub-section(5) of section 11 of the Income-tax Act, 1961.

3. It is further brought to your notice that the said **MANGROVE AND MARINE BIODIVERSITY CONSERVATION FOUNDATION OF MAHARASHTRA** had in respect of an assessment year preceding the relevant assessment year given the statement regarding accumulation or setting apart of an amount as required under sub-section (2) of section 11 of the Income-tax Act, 1961 as detailed below:

S.No.	Year of accumulation	Date of filing Form 10	Amount accumulated	Period for which accumulated/ set apart	Amount applied up to the end of the previous year	Amount remaining for application	Amount deemed to be income within meaning of sub-section (3) of section 11
1	2018	31/10/2018	844523350	2022	435900800	408622550	0

4. It is also brought to your notice that , out of incomes detailed in 3 above, due to the order/ injunction of the court the income as detailed below could not be applied for the purpose for which it was accumulated or set apart:-

S.No.	Amount of income	Previous year in which accumulated or set apart	Period during which it could not be applied due to court order	Details of court order
1				

Date	Designation	Address
31/10/2019	EXECUTIVE DIRECTOR	2 , Suniti , General Jagannath Bhosale Marg , Mantralaya , Nariman Point Mumbai - 400001 , MAHARASHTRA , INDIA .



This form has been electronically verified by NARAYANA VASUDEVAN having PAN AEOPK2856L, on 31/10/2019 from IP address 103.127.20.136 and has been electronically verified using Electronic Verification Code PNLT9CJUI generated through Aadhaar OTP mode.



FORM NO. 10B

[See rule 17B]

Audit report under section 12A(b) of the Income-tax Act, 1961, in the case of charitable or religious trusts or institutions

We have examined the balance sheet of Mangrove And Marine Biodiversity Conservation Foundation Of Maharashtra, AAE TM4470G [name and PAN of the trust or institution] as at 31/03/2019 and the Profit and loss account for the year ended on that date which are in agreement with the books of account maintained by the said trust or institution.

We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purposes of the audit. In our opinion, proper books of account have been kept by the head office and the branches of the abovenamed trust visited by us so far as appears from our examination of the books, and proper Returns adequate for the purposes of audit have been received from branches not visited by us, subject to the comments given below:

In our opinion and to the best of our information, and according to information given to us, the said accounts give a true and fair view-

(i) in the case of the balance sheet, of the state of affairs of the above named trust as at 31/03/2019 and

(ii) in the case of the profit and loss account, of the profit or loss of its accounting year ending on 31/03/2019

The prescribed particulars are annexed hereto.

Place DOMBIVLI
Date 31/10/2019

Name MANGESH AVINASH GHANE
Membership Number KAR
FRN (Firm Registration Number) 149885
Address 122063W
501, Mirage Arcade, Off Phadke Road, Opp Ganesh Mandir, Dombivli East 421201, DOMBIVLI

ANNEXURE

Statement of particulars

I. APPLICATION OF INCOME FOR CHARITABLE OR RELIGIOUS PURPOSES

1.	Amount of income of the previous year applied to charitable or religious purposes in India during that year (₹)		0
2.	Whether the trust has exercised the option under clause (2) of the Explanation to section 11(1) ? If so, the details of the amount of income deemed to have been applied to charitable or religious purposes in India during the previous year (₹)	No	
3.	Amount of income accumulated or set apart for application to charitable or religious purposes, to the extent it does not exceed 15 per cent of the income derived from property held under trust wholly for such purposes. (₹)	Yes	26956234
4.	Amount of income eligible for exemption under section 11(1)(c) (Give details)	No	
5.	Amount of income, in addition to the amount referred to in item 3 above, accumulated or set apart for specified purposes under section 11(2) (₹)		152751994
6.	Whether the amount of income mentioned in item 5 above has been invested or deposited in the manner laid down in section 11(2)(b) ? If so, the details thereof.	Yes	Deposit in Schedule Bank or Co-operative societies as per section 11(5)(iii) - 231600000,
7.	Whether any part of the income in respect of which an option was exercised under clause (2) of the Explanation to section 11(1) in any earlier year is deemed to be income of the previous year under section 11(1B) ? If so, the details thereof (₹)	No	
8.	Whether, during the previous year, any part of income accumulated or set apart for specified purposes under section 11(2) in any earlier year-		
(a)	has been applied for purposes other than charitable or religious purposes or has ceased to be accumulated or set apart for application thereto, or	No	
(b)	has ceased to remain invested in any security referred to in section 11(2)(b)(i) or deposited in any account referred to in section 11(2)(b)(ii) or section 11(2)(b)(iii), or	No	

UDIN-19149885AAAABXG471



(c)	has not been utilised for purposes for which it was accumulated or set apart during the period for which it was to be accumulated or set apart, or in the year immediately following the expiry thereof? If so, the details thereof	No
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II. APPLICATION OR USE OF INCOME OR PROPERTY FOR THE BENEFIT OF PERSONS REFERRED TO IN SECTION 13(3)

1.	Whether any part of the income or property of the trust was lent, or continues to be lent, in the previous year to any person referred to in section 13(3) (hereinafter referred to in this Annexure as such person)? If so, give details of the amount, rate of interest charged and the nature of security, if any.	No
2.	Whether any part of the income or property of the trust was made, or continued to be made, available for the use of any such person during the previous year? If so, give details of the property and the amount of rent or compensation charged, if any.	No
3.	Whether any payment was made to any such person during the previous year by way of salary, allowance or otherwise? If so, give details	No
4.	Whether the services of the trust were made available to any such person during the previous year? If so, give details thereof together with remuneration or compensation received, if any	No
5.	Whether any share, security or other property was purchased by or on behalf of the trust during the previous year from any such person? If so, give details thereof together with the consideration paid	No
6.	Whether any share, security or other property was sold by or on behalf of the trust during the previous year to any such person? If so, give details thereof together with the consideration received	No
7.	Whether any income or property of the trust was diverted during the previous year in favour of any such person? If so, give details thereof together with the amount of income or value of property so diverted	No
8.	Whether the income or property of the trust was used or applied during the previous year for the benefit of any such person in any other manner? If so, give details	No

III. INVESTMENTS HELD AT ANY TIME DURING THE PREVIOUS YEAR(S) IN CONCERNS IN WHICH PERSONS REFERRED TO IN SECTION 13(3) HAVE A SUBSTANTIAL INTEREST

S. No	Name and address of the concern	Where the concern is a company, number and class of shares held	Nominal value of the investment(₹)	Income from the investment(₹)	Whether the amount in col. 4 exceeded 5 per cent of the capital of the concern during the previous year-say, Yes/No
Total					

Place **DOMBIVLI**
Date **31/10/2019**

Name
Membership Number
FRN (Firm Registration Number)
Address

MANGESH AVINASH GHANE
KAR
149885
122063W
501, Mirage Arcade, Off Phadke
Road, Opp Ganesh Mandir, Do
mbivli East 421201, DOMBIVLI

Form Filing Details

Revision/Original Original



Annexures

Annexure – I:

Government resolution dated 23rd September 2015

**Establishment of the Mangrove and
Marine Biodiversity Conservation
Foundation of Maharashtra.**

**Government of Maharashtra
Revenue & Forest Department
Government Resolution No. S-30/2015/CR 219/F-3.
Mantralaya, Mumbai 400 032
Dated : 23rd September, 2015**

- Read:-**
1. Government of Maharashtra, Revenue & Forest Department Notification No. MIS- 2011/C.R.-373/F-7 dated 05.01.2012.
 2. Government of Maharashtra Revenue & Forest Department Resolution No. S-10/2011/74/C.R.-454/F-3 dated 23.02.2012.
 3. Government of Maharashtra Revenue & Forest Department Resolution No. S-10/2013/C.R. No. 64/F-3 dated 25.06.2013.
 4. Government of India Ministry of Environment and Forests letter F.No. 6-43/2007 WL-I dated 01.08.2013.
 5. PCCF (HOFF), MS, Nagpur Letter No. Desk 22(8)/ WL/Kandalvan/ C.R. 5 (15-16)/1291/15-16 dated 7/07/2015.

Background

Maharashtra has a long coastline of about 720 kilometers, which is home to a diverse range of coastal ecosystems such as mangroves, corals, rocky shores, sandy shores, mudflats etc. The coastal and marine environment not only supports an astounding variety of flora and fauna, but also provides a number of ecosystem services, which are crucial to the sustenance of life and livelihood security of coastal communities. Conservation of the coastal and marine environment is therefore of paramount importance. Recognizing the importance of mangroves and the need for their conservation, a “Mangrove Cell” was created by the Government in January 2012 vide ref (1) and (2). Government has also taken the decision to notify all mangroves on government land as Reserve Forests under the Indian Forest Act vide ref (3). Since its inception, the Mangrove Cell has done pioneering work in the following areas:

- (i) Protection, regeneration and monitoring of mangrove areas and efforts to understand and document the mangrove diversity of the State, awareness generation and capacity building;
- (ii) Conservation of endangered species of coastal and marine fauna such as corals, turtles, coastal birds, marine mammals etc. and interventions for ensuring fishery sustainability;
- (iii) Pilot projects to improve the livelihood of coastal communities through interventions such as crab farming, oyster farming, apiculture etc.

There is an urgent need to scale up the above activities and to further promote research, education, ecotourism etc. to secure the biodiversity of our coastal and marine environment and to bring tangible benefits to the coastal communities. This is a mission, where governmental efforts can be complemented well by the corporate sector, semi government and non-governmental organizations. Creating an institution with the necessary skill set and the operational flexibility to address this complex task has been under the consideration of the government. Proposal submitted by PCCF (HoFF), Maharashtra State, Nagpur, vide letter under reference 5, for establishment of the Mangrove and Marine Biodiversity Conservation Foundation of Maharashtra was under consideration of the Government.

Government Resolution

The approval of Government of Maharashtra is hereby accorded for establishment of a “Mangrove and Marine Biodiversity Conservation Foundation” (Mangrove Foundation, in short) for the coastal areas of the State. The Foundation shall be registered under the Societies Registration Act, 1860. The “Memorandum of Association” and “Rules and Regulations” of the Foundation are appended herewith.

1) Objectives

The Foundation will work towards conservation of coastal and marine biodiversity and improving the livelihoods of the coastal communities through conservation-linked and ecofriendly interventions. The long term sustenance of the initiatives under the UNDP-GEF Project and the GIZ project on coastal and marine biodiversity conservation being implemented through Mangrove Cell and other similar projects shall also be ensured by the Foundation. The Foundation is established to carry out the following specific objectives:

- (a) To conserve ecology and biodiversity of mangroves and marine biodiversity of Maharashtra, and the activities will include its protection, maintenance, restoration, regeneration, breeding, sustainable use and preservation of the same consistent with the relevant statutory provisions covering wildlife habitats and landscapes in coastal areas, marine zones, coral reefs, mangroves, beaches, sand dunes, mudflats etc.
- (b) To promote sustainable livelihood opportunities, cultural heritage and community resilience (to address vulnerabilities including those caused by climate change) of local communities particularly fisher folk in the coastal areas of Maharashtra through awareness generation and capacity building programmes.
- (c) To promote sustainable natural resource-based economic activities in rural areas of coastal, island and marine regions of the State.
- (d) To promote eco-tourism and support development of related infrastructure facilities for nature education and enjoyment of general public and visitors in coastal, island and marine areas.
- (e) To promote ecological and multi-disciplinary research for conservation, restoration and protection of mangroves and marine biodiversity in coastal, island and marine areas of the State with active involvement of key stakeholders including Central and State Governments and their undertakings, academic institutions and reputed Non-Government Organizations.
- (f) To promote nature education on protection and conservation of mangroves and marine biodiversity.
- (g) To mobilize resources from the civil society, universities, academic institutions, donor agencies, reputed companies, corporations, organizations and other bodies as well as researchers, volunteers and other persons for protection, conservation, development and sustainable utilization of mangroves and marine biodiversity in the State.
- (h) To coordinate related works with experts, professionals, consultants, agencies, institutions, universities, organizations, associations and such other bodies engaged in research, protection, restoration, regeneration and development of mangroves and marine biodiversity.
- (i) To facilitate collection, compilation and dissemination of information relating to mangroves, marine biodiversity and such other information as may be relevant to the objects of the Foundation from time to time.

- (j) To provide inputs and suggestions regarding policies and schemes designed for conservation of mangroves and marine biodiversity in the state as well as sustainable livelihood development of local communities including fisher folks.
- (k) To support the implementation of projects on coastal and marine biodiversity conservation, including the UNDP-GEF (Global Environment Facility) Project for Sindhudurg Coast, the GIZ project and other similar projects implemented by Mangrove Cell, to ensure the long-term sustenance of the project initiatives well beyond the project period and to replicate the successful programmes and best practices from these projects, elsewhere.
- (l) To do all such things as may be necessary, incidental or conducive to the attainment of the objectives of the Foundation.

2) Board of Governors

The management, supervision and control of the affairs of the Foundation shall vest in its Board of Governors consisting of the following:

1	Hon'ble Chief Minister of Maharashtra	Patron
2	Hon'ble Minister (Forests), Maharashtra State	Chairperson
3	One member of State Legislature nominated by the Government of Maharashtra	Member
4	Additional Chief Secretary /Principal Secretary/ Secretary, Finance Department, Government of Maharashtra	Member
5	Additional Chief Secretary /Principal Secretary/Secretary (Environment), Government of Maharashtra.	Member
6	Additional Chief Secretary /Principal Secretary/Secretary (Tourism & Culture), Government of Maharashtra.	Member
7	Additional Chief Secretary /Principal Secretary/Secretary (Forests), Revenue & Forest Department, Government of Maharashtra.	Member
8	Principal Chief Conservator of Forests (HOFF), Maharashtra State.	Member
9	Principal Chief Conservator of Forests (Wildlife), Maharashtra State.	Member
10	Additional Principal Chief Conservator of Forests (Wildlife) West, Mumbai.	Member
11	Divisional Commissioner, Konkan Division.	Member
12	Chief Conservator of Forests (Territorial), Thane Circle	Member
13	Chief Conservator of Forests (Territorial), Kolhapur Circle	Member
14	Chief Executive Officer, Maharashtra Maritime Board, Mumbai	Member
15	Commissioner of Fisheries, Maharashtra State	Member
16	Chairperson, Maharashtra State Biodiversity Board	Member

17	Commander, Coast Guards Region (West) Mumbai, Maharashtra	Member
18	Representative of Ministry of Environment and Forests, Govt. of India	Member
19	Director, National Institute of Oceanography or his representative	Member
20	A person having expertise on Mangrove/ Coastal Biodiversity	Member
21	Representative of fishing community nominated by Government of Maharashtra	
22	Representative of a Non-Government Organization working on coastal and marine biodiversity conservation	Member
23	Chief Conservator of Forests, Mangrove Cell, Mumbai	Member Secretary

3) Executive Committee

For speedy decision-making, an Executive Committee consisting of the following is hereby constituted:

1	Chief Conservator of Forests, Mangrove Cell	Chairperson
2	Chief Conservator of Forests (Territorial), Thane or his representative	Member
3	Chief Conservator of Forests (Territorial), Kolhapur or his representative	Member
4	Conservator of Forests (Wildlife), Thane	Member
5	Member Secretary, Maharashtra Coastal Zone Management Authority	Member
6	A person having expertise on Mangrove/ Coastal Biodiversity and Member, Board of Governors	Member
7	A representative of Non-Government Organization working on coastal and marine biodiversity conservation and Member, Board of Governors	Member
8	A representative of the Maharashtra State Biodiversity Board	Member
9	Divisional Forest Officer/ Deputy Conservator of Forests, Mangrove Cell	Member Secretary

4) Headquarters of the Mangrove Foundation will be at Mumbai.

- 5) Chief Conservator of Forests, Mangrove Cell shall act as the Executive Director of Mangrove Foundation.
- 6) 3% of the project cost of Navi Mumbai International Airport, amounting to Rs. 115.71 crores, transferred to Forest Department as per the direction of the National Board of Wildlife[ref (3)] will form the corpus for the Foundation. The activities of the Foundation will be financed from the interest generated from this corpus. In future, funds received from User (Project) Agency against diversion of forest land involving mangroves shall be deposited with Mangrove Foundation. Besides this, the Foundation can also source funds from Central, State and Local Self Governments, Semi-Government, Public Sector, Private and Non-Government Organisations.
- 7) The Chief Conservator of Forests, Mangrove Cell shall open an account with a nationalized bank in the name of Executive Director of the Foundation. The above amount, deposited by CIDCO with Alibaug Division, along with interest generated thereon will be transferred to this account by Deputy Conservator of Forests, Alibaug with immediate effect.
- 8) The Chief Conservator of Forests, Mangrove Cell shall get the Foundation registered as a society under the Societies Registration Act, 1860, at the earliest.

This Government Resolution is issued with concurrence of Finance Department and Law & Judiciary Department.

This Government resolution of Maharashtra Government is available at the website www.maharashtra.gov.in. Reference no. for this is 201509231217243419. This order has been signed digitally.

By order and in the name of the Governor of Maharashtra.

(Virendra Tiwari)
Chief Conservator of Forests (Mantralaya)
Revenue & Forest Department.

To:

- 1) Principal Secretary to Hon. Chief Minister of Maharashtra, Mantralaya, Mumbai.
- 2) Private Secretary to Hon. Minister (Forest) Govt. of Maharashtra, Mantralaya, Mumbai.
- 3) Chief Secretary, Govt. of Maharashtra, Mantralaya, Mumbai.
- 4) Secretary, Ministry of Environment, Forests, and Climate Change, Govt. of India, New Delhi.
- 5) Additional Chief Secretary (Environment), Government of Maharashtra.
- 6) Additional Chief Secretary / Principal Secretary / Secretary, Finance Department, Government of Maharashtra.
- 7) Secretary (Tourism & Culture), Government of Maharashtra.
- 8) Secretary (Forests), Revenue & Forest Department, Govt. of Maharashtra.
- 9) Principal Chief Conservator of Forests (HoFF), M.S. Nagpur.

- 10) Principal Chief Conservator of Forests (Wildlife), M.S. Nagpur.
- 11) Chairperson, Maharashtra State Biodiversity Board.
- 12) Additional Principal Chief Conservator of Forests (Wildlife West), Borivali West, Mumbai.
- 13) Commander, Coast Guards Region (West) Mumbai, Maharashtra.
- 14) Chief Executive Officer, Maharashtra Maritime Board, Mumbai.
- 15) Commissioner of Fisheries, Maharashtra State.
- 16) Divisional Commissioner, Konkan Division.
- 17) Chief Conservator of Forests, Mangrove Cell, Mumbai.
- 18) Chief Conservator of Forests (Territorial), Thane Circle.
- 19) Chief Conservator of Forests (Territorial), Kolhapur Circle.
- 20) Conservator of Forests (Wildlife), Thane.
- 21) Member Secretary, Maharashtra Coastal Zone Management Authority.
- 22) Director, National Institute of Oceanography , Panaji, Goa.
- 23) Select File (Desk F-3).

**Accompaniment to Government Resolution No. S-30/2015/ CR 219/ F-3
Dated 23 September 2015**

**MEMORANDUM
OF
ASSOCIATION
&
RULES AND REGULATIONS
OF
MANGROVE AND MARINE
BIODIVERSITY CONSERVATION
FOUNDATION OF MAHARASHTRA**

**A society registered under the provisions of the
Societies Registration Act (XXI) of 1860**

MEMORANDUM OF ASSOCIATION

NAME OF THE SOCIETY, ITS REGISTERED OFFICE AND AREA OF OPERATION

1. The name of the Society shall be “Mangrove and Marine Biodiversity Conservation Foundation of Maharashtra” (hereinafter referred to as the Foundation).
2. The registered office of the Foundation shall be situated in Mumbai in the Office of the Chief Conservator of Forests, Mangrove Cell at Mumbai.
3. The area of operation of the Foundation shall be all the coastal districts in the State of Maharashtra and shall include adjoining territorial water (or territorial sea).

MAIN OBJECTS OF THE FOUNDATION

4. The Foundation is established as a non-profit society to carry out the following objectives:
 - (a) To conserve ecology and biodiversity of mangroves and marine biodiversity of Maharashtra, and the activities will include its protection, maintenance, restoration, regeneration, breeding, sustainable use and preservation of the same consistent with the relevant statutory provisions covering wildlife habitats and landscapes in coastal areas, marine zones, coral reefs, mangroves, beaches, sand dunes, mudflats etc.
 - (b) To promote sustainable livelihood opportunities, cultural heritage and community resilience (to address vulnerabilities including those caused by climate change) of local communities particularly fisher folk in the coastal areas of Maharashtra through awareness generation and capacity building programs.
 - (c) To promote sustainable natural resource-based economic activities in rural areas of coastal, island and marine regions of the State.
 - (d) To promote eco-tourism and support development of related infrastructure facilities for nature education and enjoyment of general public and visitors in coastal, island and marine areas.
 - (e) To promote ecological and multi-disciplinary research for conservation, restoration and protection of mangroves and marine biodiversity in coastal, island and marine areas of the State with active involvement of key stakeholders including Central and State

Governments and their undertakings, academic institutions and reputed Non-Government Organizations.

- (f) To promote nature education on protection and conservation of mangroves and marine biodiversity.
- (g) To mobilize resources from the civil society, universities, academic institutions, donor agencies, reputed companies, corporations, organizations and other bodies as well as researchers, volunteers and other persons for protection, conservation, development and sustainable utilization of mangroves and marine biodiversity in the State.
- (h) To coordinate related works with experts, professionals, consultants, agencies, institutions, universities, organizations, associations and such other bodies engaged in research, protection, restoration, regeneration and development of mangroves and marine biodiversity.
- (i) To facilitate collection, compilation and dissemination of information relating to mangroves, marine biodiversity and such other information as may be relevant to the objects of the Foundation from time to time.
- (j) To provide inputs and suggestions regarding policies and schemes designed for conservation of mangroves and marine biodiversity in the state as well as sustainable livelihood development of local communities including fisher folks.
- (k) To support the implementation of projects on coastal and marine biodiversity conservation, including the UNDP-GEF (Global Environment Facility) Project for Sindhudurg Coast, the GIZ project and other similar projects implemented by Mangrove Cell, to ensure the long-term sustenance of the project initiatives well beyond the project period and to replicate the successful programmes and best practices from these projects, elsewhere.
- (l) To do all such things as may be necessary, incidental or conducive to the attainment of the objectives of the Foundation.

THE MEMBERS OF BOARD OF GOVERNORS

5. Subject to the Rules of the Society, the management, supervision and control of the affairs of the Society shall vest in the Board of Governors. The Occupations of the Board of

Governors of the Foundation to whom the management of affairs of the society as per its aims and objects shall be vested-:

Sr. No.	Occupation (official designations)	Designation
1	Honorable Chief Minister of Maharashtra	Patron
2	Honorable Minister (Forests), Maharashtra State	Chairperson
3	One member of State Legislature nominated by the Government of Maharashtra	Member
4	Additional Chief Secretary /Principal Secretary/ Secretary, Finance Department, Government of Maharashtra	Member
5	Additional Chief Secretary /Principal Secretary/ Secretary (Environment), Government of Maharashtra.	Member
6	Additional Chief Secretary /Principal Secretary/ Secretary (Tourism & Culture), Government of Maharashtra.	Member
7	Additional Chief Secretary /Principal Secretary/ Secretary (Forests), Revenue & Forest Department, Government of Maharashtra.	Member
8	Principal Chief Conservator of Forests (HOFF), Maharashtra State.	Member
9	Principal Chief Conservator of Forests (Wildlife), Maharashtra State.	Member
10	Additional Principal Chief Conservator of Forests (Wildlife West), Borivali West, Mumbai.	Member
11	Divisional Commissioner, Konkan Division.	Member
12	Chief Conservator of Forests (Territorial), Thane Circle	Member

Sr. No.	Occupation (official designations)	Designation
13	Chief Conservator of Forests (Territorial), Kolhapur Circle	Member
14	Chief Executive Officer, Maharashtra Maritime Board, Mumbai	Member
15	Commissioner of Fisheries, Maharashtra State	Member
16	Chairperson, Maharashtra State Biodiversity Board	Member
17	Commander, Coast Guards Region (West) Mumbai, Maharashtra	Member
18	Representative of Ministry of Environment, Forests & Climate Change, Govt. of India	Member
19	Director, National Institute of Oceanography or his representative	Member
20	A person having expertise on Mangrove/ Coastal Biodiversity nominated by Government of Maharashtra	Member
21	Representative of Fishing Community nominated by Government of Maharashtra	Member
22	Representative of a Non-Government Organization working on coastal and marine biodiversity conservation	Member
23	Chief Conservator of Forests, Mangrove Cell, Mumbai	Member Secretary

SIGNATURE OF THE FIRST MEMBERS

6. We, the undersigned whose designations and addresses are hereunder subscribed are desirous of being formed into a Society in pursuance of this Memorandum of Association and set out several respective hands hereunto and form ourselves into a Society under the Societies Registration Act (XXI of 1860) and held ourselves responsible to manage the affairs of the Society as per the Rules of the Society, a copy of which, duly certified to be a true copy by members of the Board of Governors, is filed herewith along with this Memorandum of Association.

Dated thisday of the month of in the year

Sl. No.	Designation	Address	Signature
1.	Secretary (Forests), Govt. of Maharashtra	Revenue & Forest department, 4 th Floor, Madam Cama Rd, Mantralaya, Mumbai, Pin Code-400032	
2.	Principal Chief Conservator of Forests(HOFF), Maharashtra State, Nagpur	Van Bhavan, Civil line, Ramgiri Road, Nagpur, Maharashtra State, Pin Code- 440001	
3.	Principal Chief Conservator of Forests (Wildlife), Maharashtra State, Nagpur	Van Bhavan, Civil line, Ramgiri Road, Nagpur, Maharashtra State, Pin Code- 440001	
4.	Additional Principal Chief Conservator of Forests (Wildlife West), Borivali West, Mumbai	L.T. Road, Near Old MHB Bus Stop, Forest Qtr, Borivali	
5.	Divisional Commissioner, Konkan Division	Konkan Division, 1 st Floor, Opposite Jahangir Art Gallery, Old Secretariat, Fort, Mumbai - 400 032	
6.	Chief Conservator of Forests, Mangrove Cell	II Floor, A Wing, S. R. A. Bldg, Anant Kanekar Marg, Bandra(East), Mumbai-400 051	
7.	Chief Conservator of Forests (Territorial), Thane	Microwave Tower, Barabangla, Kopri, Thane East, Pin Code-400603	

In the presence of

- 1.
- 2.

**MANGROVE AND MARINE BIODIVERSITY CONSERVATION
FOUNDATION OF MAHARASHTRA**

RULES AND REGULATIONS

1. NAME OF THE SOCIETY

The Name of the Society shall be “Mangrove and Marine Biodiversity Conservation Foundation of Maharashtra”.

2. REGISTERED OFFICE OF THE FOUNDATION

The Registered Office of the Foundation shall be situated in the Office of the Chief Conservator of Forest, Mangrove Cell, Mumbai.

3. DEFINITIONS

In the Memorandum and the Rules, unless the context otherwise requires:

- (a) “Act” shall mean The Societies Registration Act, 1860 and rules made there under both amended from time to time.
- (b) “Central Government” shall mean the “Government of India”
- (c) “Foundation/ Society” shall mean “Mangrove and Marine Biodiversity Conservation Foundation of Maharashtra”.
- (d) “Intellectual Property Rights” shall mean any and all rights in patents, trademarks, copyrights and designs pertaining to symbols, names, images, logos, course content, product, material, software, design, digital or non-digital material or other work created as a consequence of implementation of the objects of the Society and all other intellectual property rights and equivalent and similar forms of protection, whether registered or unregistered, as well as the applications for registration and the right to apply for registration of any of these rights, in all cases which are used or owned by the Foundation
- (e) “Rules” shall mean the rules of the Foundation as amended from time to time by its Board of Governors.

- (f) "State Government" shall mean the "Government of Maharashtra,"
- (g) Words, terms and expressions used in this Memorandum of Association and Rules not specifically defined but defined in any other relevant Act, Code or Rules shall have meaning consistent with furtherance of the objects of the Foundation respectively assigned to them in the relevant Act, Code or Rules and subject to definitions included in the Rules of the Foundation from time to time.

4. MEMBERSHIP

The minimum number of members with which the Foundation proposes to register is 7 (seven), and the maximum number shall be 31 (thirty one). Thereafter, the membership may be increased or decreased with prior concurrence of the Government of Maharashtra. Under no circumstance shall the membership of the Foundation fall below seven.

5. REGISTER OF MEMBERS

The Foundation shall maintain a register of members giving their names, occupations and addresses and every member shall sign the register. Every change of address shall be notified to the Secretary of the Foundation

6. BOARD OF GOVERNORS

- (a) The general body of the foundation shall consist of Members of the Board of Governors from Public Bodies, subscribing to the aims and objects of the Foundation.
- (b) The Management of the Affairs of Foundation will be entrusted in accordance with the rules of the foundation to its 'Board of Governors', which shall be constituted as such under the rules of the Foundation.
- (c) The Board of Governors of the Foundation shall abide by directions of the Revenue & Forest Department, Government of Maharashtra on matters pertaining to conservation of mangroves and marine wildlife in the State.
- (d) The Board of Governors may form such committees, as deemed fit, for the purpose of performing duties and obligations assigned to it concerning achievement of the objectives of the Foundation and on such terms and conditions and such Rules and Regulations as the Board of Governors may frame and impose in this regard.

7. TERMINATION OR CESSATION OF MEMBERSHIP OF THE BOARD OF GOVERNORS

- (a) An Ex-officio member of the Board of Governors shall become a member by reason of the office of the appointment he/she holds. His/her membership of the Board of Governors shall terminate when he/she ceases to hold that office, post or appointment.
- (b) A representative member of the Board of Governors appointed in the representative capacity, shall cease to hold his/her office of appointment when he/she ceases to hold that representative capacity.
- (c) A member of the Board of Governors, so nominated by the State Government of Maharashtra, shall cease to hold his/her office of appointment after a tenure of three years, subject to re-appointment by the State Government of Maharashtra.

8. PROCEEDINGS OF THE BOARD OF GOVERNORS

- (a) A Board of Governors shall govern the affairs of the Foundation.
- (b) The general supervision, management and control of the Foundation shall be vested in the Board of Governors.
- (c) The Board of Governors shall have all the powers and duties necessary for the administration of the affairs of the Foundation and may do all such acts and things in the manner as prescribed under these Rules.

9. MEETINGS

- (a) The meeting of the Board of Governors shall be held at least twice a year.
- (b) Minimum fifteen (15) days' notice or any such period as decided by the Board of Governors shall be required for calling the Board Meeting and every such meeting shall be called in writing by and under the signature of the Member Secretary of the Board of Governors, enclosing the agenda and specifying date, time and place of the meeting.

- (c) A total of 7 (seven) members including the Chairperson of the Board of Governors present in person or proxy including the Nominated Member(s), shall form a quorum for the transaction of business, but if any meeting has to be adjourned for want of quorum, then at the adjourned meeting, the members present, irrespective their number, shall form a quorum and shall have power to decide upon all matters which could have been disposed of at the meeting of the Board of Governors from which the adjournment took place.
- (d) An urgent Meeting of Board of Governors may be called at 5 (five) days' notice but the quorum for the urgent Board meeting shall be 5 (five) members of the Board of Governors present in person or proxy including the Nominated Member(s).
- (e) If the Chairperson of the Foundation is not present at the time appointed for holding the meeting, or is unable to attend and act as the Chairperson of the meeting, then the members of the Board of Governors shall nominate any member amongst themselves to act as Chairperson only for that particular meeting.
- (f) The person presiding at the meeting shall decide on the admissibility of any question or proposition, and shall disallow the same, if in his opinion, it contravenes these Rules or, is otherwise, inadmissible and his decision thereon shall be final.
- (g) All decisions shall be taken by simple majority of votes of the members. In the event of equality of votes, the Chairperson of the meeting shall have a second or casting vote.
- (h) The minutes of the proceedings of the meeting shall be recorded and such minutes after due approval and signed by the Member Secretary, shall be conclusive proof of the business transacted in the meeting.

10. FUNCTIONS AND POWERS OF THE BOARD OF GOVERNORS

Subject to the provisions of the Memorandum of Association and these Rules, the Board of Governors shall have the powers:

- (a) To give overall policy guidance and direction for efficient functioning of the Foundation.
- (b) To approve the work program and list of activities prepared by and/or submitted to the Foundation and periodically monitor the same thereby supporting coastal and marine biodiversity conservation initiatives of Maharashtra.

- (c) To consider and sanction (with or without modifications) the budget estimated for the ensuing year.
- (d) To receive, consider and adopt the Annual Report and audited Statement of Accounts of the Foundation.
- (e) To raise funds, securing and accepting endowments, grants-in-aid, donations, or gifts to the Foundation on mutually agreed terms and conditions or gifts which shall not be inconsistent or in conflict with the objectives of the Foundation and are in the interest of the State subject to the Central and State Government rules as may be applicable from time to time.
- (f) To take over and/or acquire in the name of the Foundation by purchase, gift, donation or otherwise from government and other public bodies or private individuals, any movable and immovable properties and assets in the State or elsewhere or other funds together with any attendant obligation and engagement not inconsistent with the objectives of the Foundation and the provisions of the State or Central Government as may be applicable from time to time.
- (g) To appoint committee(s) or sub-committee(s), group(s), task force(s) comprising of experts, its Members and/or staff of the Foundation for the conduct of any business of the Foundation or to take up any special activity on behalf of the Board and delegate to it such powers as considered necessary. Any such committee or sub-committee(s), group(s), task force(s) shall report to the Board.
- (h) To delegate to such extent as it may deem necessary, any of its powers to any officer or committee.
- (i) To make, enforce, adopt, amend, vary or rescind from time to time rules and bye-laws for the regulation of and for any purposes connected with the management and administration of the affairs of the Foundation and for the furtherance of its objects.
- (j) To create, form, promote or to associate with any other association, foundation, company or body in the creation, formation, or promotion of any other body, whether incorporated or not, and whether any committee or sub-committee of the

Foundation or not, and to affiliate with such body, or to merge any other body with the Foundation, and also to delegate to any such body any of its powers.

- (k) To prescribe the duties of all officers and staff of the Foundation and exercise such supervision and control as may be necessary.
- (l) To perform such additional functions and to carry out such duties as may from time to time be assigned to it by the Foundation or required to be performed to attain the object of the Foundation.
- (m) The Board of Governors may create new classes of membership from time to time for such specific periods, and fill them by co-option of such members, as it deems desirable and necessary in the interest of the Foundation.
- (n) The occupation and designation of the members of the Board of Governors are:

Sr. No.	Occupation (official designations) and addresses	Designation
1	Honorable Chief Minister of Maharashtra	Patron
2	Honorable Minister (Forests), Maharashtra State	Chairperson
3	One member of State Legislature nominated by the Government of Maharashtra	Member
4	Additional Chief Secretary /Principal Secretary/ Secretary, Finance Department, Government of Maharashtra	Member
5	Additional Chief Secretary /Principal Secretary/ Secretary (Environment), Government of Maharashtra.	Member
6	Additional Chief Secretary /Principal Secretary/ Secretary (Tourism & Culture), Government of Maharashtra.	Member
7	Additional Chief Secretary /Principal Secretary/ Secretary (Forests), Revenue & Forest Department, Government of Maharashtra.	Member

Sr. No.	Occupation (official designations) and addresses	Designation
8	Principal Chief Conservator of Forests (HOFF), Maharashtra State.	Member
9	Principal Chief Conservator of Forests (Wildlife), Maharashtra State.	Member
10	Additional Principal Chief Conservator of Forests (Wildlife West), Borivali West, Mumbai.	Member
11	Divisional Commissioner, Konkan Division.	Member
12	Chief Conservator of Forests (Territorial), Thane Circle	Member
13	Chief Conservator of Forests (Territorial), Kolhapur Circle	Member
14	Chief Executive Officer, Maharashtra Maritime Board, Mumbai	Member
15	Commissioner of Fisheries, Maharashtra State	Member
16	Chairperson, Maharashtra State Biodiversity Board	Member
17	Commander, Coast Guards Region (West) Mumbai, Maharashtra	Member
18	Representative of Ministry of Environment, Forests & Climate Change, Govt. of India	Member
19	Director, National Institute of Oceanography or his representative	Member
20	A person having expertise on Mangrove/ Coastal Biodiversity nominated by Government of Maharashtra	Member
21	Representative of Fishing Community nominated by Government of Maharashtra	Member

Sr. No.	Occupation (official designations) and addresses	Designation
22	Representative of a Non-Government Organization working on coastal and marine biodiversity conservation	Member
23	Chief Conservator of Forests, Mangrove Cell, Mumbai	Member Secretary

11. POWERS AND DUTIES OF CONSTITUENTS OF THE BOARD OF GOVERNORS

A. CHAIRPERSON

- (a) The Chairperson shall have the power to give or lay general guidelines for the management of the affairs relating to the Foundation.
- (b) He shall be the Chairperson of the Board of Governors, and shall summon and preside over all the Board meetings of the Foundation.
- (c) In the course of any proceedings or meetings of the Board, the decision of the Chairperson shall be considered as final, except for the matters that are decided by ballot or voting.
- (d) He shall have the power to allow inclusion of any subject/matter in the agenda for the discussion in the course of Board meeting.
- (e) In case it is necessary to decide any point/matter/issue urgently and there is no time to call the Board meeting, the Chairperson shall have the powers to decide the point/issue/matter but he/she shall bring the matter to the notice of the Board as early as possible, for getting the same ratified.

B. MEMBER SECRETARY

- (a) The Member Secretary shall convene meetings of the Board whenever necessary or called upon to do so.
- (b) Will prepare the Register of Members as well as the proceedings register to record the minutes of the proceedings of the Board meetings and/or urgent meetings of the Board and get it duly signed by the Members who attend the meetings.

- (c) Will attend to all correspondence and give effect to the directions and decisions taken in such meetings.
- (d) Prepare an Annual Report and Financial Statement of Accounts under the guidance of the Board.
- (e) Generally perform all such duties as are incidental to the office of the Member Secretary.

12. EXECUTIVE COMMITTEE

- (a) Subject to the rules and regulations and orders of the Foundation, day-to-day affairs of the Foundation shall be administered by the Executive Committee which shall consist of the following:

Sr. No.	Name and Address	Designation
1	Chief Conservator of Forests, Mangrove Cell	Chairperson
2	Chief Conservator of Forests (Territorial), Thane or his representative	Member
3	Chief Conservator of Forests (Territorial), Kolhapur or his representative	Member
4	Conservator of Forests (Wildlife), Thane	Member
5	Member Secretary, Maharashtra Coastal Zone Management Authority	Member
6	A person having expertise on Mangrove/ Coastal Biodiversity and Member, Board of Governors	Member
7	A representative of Non-Government Organization working on coastal and marine biodiversity conservation and Member, Board of Governors	Member
8	A Representative of the Maharashtra State Biodiversity Board	Member
9	Divisional Forest Officer/ Deputy Conservator of Forests, Mangrove Cell	Member Secretary

- (b) The Board of Governors may nominate any person as a member of the Executive Committee and such person shall be duly admitted as member of the Executive Committee.
- (c) Chairperson of the Executive Committee shall be designated as “Executive Director” of the Foundation.

13. TERMINATION OR CESSATION OF MEMBERSHIP OF EXECUTIVE COMMITTEE

- (a) An Ex-officio member of the Executive Committee shall become a member by reason of the office of the appointment he /she holds. His/her membership of the Executive Committee shall terminate when he/she ceases to hold that office, post or appointment.
- (b) A representative member of the Executive Committee appointed in the representative capacity, shall cease to hold his/her office of appointment when he/she ceases to hold that representative capacity.
- (c) A member of the Executive Committee so nominated by the Board of Governors shall cease to hold his/her office of appointment after a tenure of three years, subject to re-appointment by the Board of Governors.

14. PROCEEDINGS OF THE EXECUTIVE COMMITTEE

- (a) Subject to the overall supervision and policy decisions of the Board of Governors, the Executive Committee shall be responsible for the management, administration and control of the affairs of the Foundation
- (b) An Executive Committee meeting shall be held at least once in three months or as and when the Executive Committee may decide from time to time.
- (c) Minimum seven (7) days’ notice or any such period as decided by the Executive Committee shall be required for calling the meeting and every such meeting shall be called in writing by and under the signature of the Member Secretary of the Executive Committee, enclosing the agenda and specifying date, time and place of the meeting.

- (d) Minimum four (4) members of the Executive Committee present in person shall form a quorum for the transaction of business.
- (e) If the Chairperson of the Executive Committee is not present at the time appointed for holding the meeting, or is unable to attend and act as the Chairperson of the meeting, then the member of the Executive Committee shall nominate any member among themselves to act as Chairperson only for that particular meeting.
- (f) The person presiding at the meeting shall decide on the admissibility of any question or proposition, and shall disallow the same, if in his opinion, it contravenes these Rules or, is otherwise, inadmissible and his decision thereon shall be final.
- (g) All decisions shall be taken by simple majority of votes of the Members.
- (h) The minutes of the proceedings of the meeting shall be recorded and such minutes after due approval and signed by the Member Secretary, shall be the conclusive proof of the business transacted in the meeting.

15. FUNCTIONS & POWERS OF THE EXECUTIVE COMMITTEE

Subject to the provisions of the Memorandum of Association and these Rules, the Executive Committee shall have the powers:

- (a) To prepare and execute detailed plans and programs for carrying on its administration and management after such establishment;
- (b) To prepare the budget estimates of the Foundation for each year;
- (c) To prepare and maintain accounts and other relevant records and annual Statement of Accounts including the balance sheet of the Foundation;
- (d) To enter into arrangements with other public and private organisations or individuals for furtherance of its objectives.
- (e) To accept aid, donation, bequest or gift for the Foundation.
- (f) To provide funds/ loans or advances to the concerned Department to meet exigencies till the funds are received from the Government.
- (g) To provide for day to day management of the affairs of the Foundation.

- (h) To exercise executive powers that shall be required to be exercised for the purpose of attaining the objects of the Foundation.
- (i) To perform such functions as are assigned to it by the Board of Governors.
- (j) Such other business that is required to be done by the Executive Committee.

16. POWERS AND DUTIES OF THE EXECUTIVE DIRECTOR

The Chief Conservator of Forests, Mangrove Cell shall act as the Executive Director of the Foundation. The Executive Director shall be the Chief Executive Officer of the Foundation and shall exercise general supervision and control over the affairs of the Foundation and implement the decisions of the Foundation. It shall be the duty of the Executive Director to ensure that the Memorandum of Association, the Rules, Bye-laws and Regulations of the Foundation are duly observed and implemented and he shall have all the necessary powers in this regard. He shall be the custodian of all records, assets and belongings of the Foundation.

Without prejudice to the generality of powers and duties, the Executive Director shall have full functional autonomy and shall exercise the following powers inter-alia:

- (a) Consider and approve programs of the Foundation within the scope of the objectives of the Foundation and within the scope of budget as approved by Board of Governors
- (b) Consider and approve duration, contents and financial outlays for trainings and awareness campaigns
- (c) Draw up development plans of the Foundation, as approved by Board of Governors
- (d) To make official correspondence on behalf of the authorities of the Institute.
- (e) Cooperate and collaborate with other State level, National level and International Institutions, Organisations in the pursuit of its objectives
- (f) Coordinate with resource/knowledge groups/federations, both national and international, to create employment opportunities, training and skill and enterprise

development and shall liaise with the Government/corporate sector/autonomous government sectors to achieve the objectives of the Foundation

- (g) Acquire by gift, purchase, exchange, lease/hire or otherwise any property movable or immovable and to construct, improve/alter, demolish or repair buildings, works and constructions as may be necessary or convenient for carrying on the activities of the Foundation as approved by the Board of Governors
- (h) Negotiate, enter into and make contracts and deeds on behalf of the Foundation, subject to directives of the Board of Governors
- (i) Solicit and receive grants, gifts, donations or other contributions from the Central / State Government or from any other source of reputation, provided that no benefaction shall be accepted by the Foundation which involves conditions or obligations contrary to the objectives of the Foundation
- (j) To get the account of the Foundation audited by the qualified auditor appointed by the Board of Governors.
- (k) To ensure compliance of all statutory formalities and rules and regulations.
- (l) To open and operate accounts with banks.
- (m) To draw and accept, make and endorse, discount and negotiate Government of India's and other promissory notes, bills of exchange, cheques or other negotiable instruments on behalf of the Foundation.
- (n) Subject to prior approval of the Board of Governors, to raise and borrow money on bonds, mortgages, promissory notes or other obligations or securities founded or based on any of the properties and asset of the Society or without any securities and upon such terms and conditions as it may think fit and to pay from the funds of the Society, all expenses incidental to the raising of the money and to repay and redeem any money borrowed.
- (o) Subject to prior approval of the Board of Governors, to invest the funds of the Foundation or money entrusted to the Foundation in or upon such government securities and in such manner as may deem fit and from time to time transpose any investment subject to prior approval of the Board of Governors.

- (p) To regulate recurring and non-recurring expenditure during the year based on income from different sources of the Foundation.
- (q) To prosecute, sue and defend all legal actions for and on behalf of the Foundation.
- (r) To interact with different agencies for furthering the objective of the Foundation.
- (s) To manage and control the staff and take disciplinary action, if necessary.
- (t) Such other functions and powers as may be delegated to the Executive Director by the Board of Governors.
- (u) To exercise such other powers and perform such other functions as may be prescribed by the Rules, Regulations and Bye-laws.

17. POWERS AND DUTIES OF THE FINANCE OFFICER

- (a) The Finance Officer shall be a person appointed by the Board of Governors as prescribed by the Bye laws.
- (b) The Finance Officer shall be accountable for all financial matters of the Foundation including investment of the funds and financial aspects pertaining to managing its properties, and work under supervision of the Executive Director. Subject to control of the Board of Governors of the Foundation, he shall be responsible for preparing annual budget estimates and statements of account for submission to the Executive Committee and the Board of Governors.

18. FUNDS AND PROPERTIES OF THE FOUNDATION

- (a) The Foundation shall raise funds as follows: (a) Revenue generated by the Foundation out of its own assets, its activities and investments;(b) Grants/funding made available by the Central and the State Governments or other organizations, and (c) donations and contributions from other sources.
- (b) All the income and funds of the Foundation received from any source shall be utilized only for promotion of the aims and objects of the Foundation, and shall not be transferred or paid directly or indirectly by way of dividend, bonus or otherwise,

by way of profit to a person who at any point of time has been the member of the Foundation or to any of them or to any person claiming through them.

- (c) Provided that nothing herein contained shall prevent the payment of remuneration to any person engaged by the Foundation in return of any service rendered to the Foundation or for any related administrative expenses.

19. MANAGEMENT OF FUNDS & ACCOUNTS OPERATION

- (a) The Foundation shall prepare detailed account of expenditure and receipts,
- (b) All the amounts shall be kept in any scheduled bank(s) and the bank accounts shall be operated by the signature of the Executive Director or its Finance Officer, as authorized by the Board of Governors.

20. AUDIT

The accounts of the Foundation shall be audited by a qualified auditor (chartered accountant) every year and have a Balance Sheet prepared by him and the audited accounts shall be discussed and approved by the Board of Governors in its annual meeting held for the purpose. The auditor shall also submit a report showing the exact state of financial affairs of the Foundation. Three copies of the Balance Sheet and the Auditor's report shall be certified by the Auditor.

21. ANNUAL REPORT

- (a) The financial year of the Foundation shall be from April 1 to March 31. A copy of the last financial statement and the report of the Auditor shall be kept in a conspicuous place in the office of the Foundation.
- (b) The Board of Governors shall submit a report on the working of the Foundation annually to the Government of Maharashtra. Such report shall contain particulars regarding the work of the Foundation during the previous year, and shall be accompanied by a balance sheet duly audited showing the income and expenditure of the Foundation during the said year.

22. BOOKS AND ACCOUNTS

- (a) The Foundation shall keep at its registered office proper books of account with respect to:-
 - i. all sums of money received and the source thereof and all sums of money expended by the Foundation and the matters in respect of which the receipt and expenditure take place.
 - ii. all sales and purchase of goods by the Foundation.
 - iii. the assets and liabilities of the Foundation.
- (b) The income and expenditure account shall be annexed to the balance sheet and the Auditor's report (including the Auditor's special or supplementary report) shall be attached thereto and copies thereof shall be supplied to the members of the Foundation.

23. ALTERATION OF RULES

- (a) Subject to the provisions of the Act and the Rules herein, the Foundation may alter its Rules.
- (b) The Rules may be altered at any time by a resolution passed by a majority of the members of the Board of Governors, duly convened and held for the purpose, and the changes shall be effective after obtaining concurrence of the Government of Maharashtra.
- (c) The Rules (so altered, added to and modified) shall operate with effect from the date of registration of amended rules with the Registrar of Societies.
- (d) Change of Name: Subject to the provisions of Sec 12A of the Act, the name of the Foundation may be changed by the Board of Governors as and when necessary, with the approval of the State Government of Maharashtra and in accordance with the present Rules and the change in name, so altered and modified shall operate from such date as shall be notified. The change in the name of the Foundation shall

not affect any rights or obligations of the Foundation or render defective any legal proceedings by or against the Foundation and any legal proceedings, which might have been continued or commenced by or against it by its new name.

- (e) Change in aims and objects of the Foundation: The Board of Governors, with the approval of the State Government of Maharashtra and in accordance with the provisions of Sec 12 of the Act and present Rules, may change the aims and objects of the Foundation subject to clearance from competent authorities under the Act.

24. BYE-LAWS:

Subject to the provisions of the Memorandum of Association and the Rules and Regulations, the Board of Governors shall have the power to frame Bye-laws which may provide for but not be restricted to all or any of the following matters:

- (a) The classification, emoluments, method of appointment, and the determination of the terms and conditions of service of staff and consultants of the Foundation.
- (b) The establishment, composition and functions of any of its committees, centers, and research stations which may be considered necessary for furthering the objects of the Foundation.
- (c) All matters related to training programs to be conducted by the Foundation.
- (d) All matters pertaining to fellowships, internships, scholarships, medals, prizes and research projects to be handled by the Foundation.
- (e) The procedures, terms and conditions to be followed for awarding/sanctioning projects, grants, temporary loans, funds, fellowships and procurement of goods and services of the Foundation.
- (f) The establishment matters including provident fund, allowances, etc., for the benefit of staff of the Foundation.
- (g) The preparation and submission of budget estimates.
- (h) The laying down of procedures to be observed at any board, meeting of any authority or any Committees.

- (i) Any other matters which by the Memorandum of Association or these Rules may be provided for by the Bye-laws.

25. INCOME AND PROPERTY OF THE FOUNDATION

The income and property of the Foundation, howsoever derived, shall be solely utilized and applied towards the promotion of the aims and objects as set forth in this Memorandum of Association subject to such limitations as the State Government may from time to time impose including those in respect of grants made by the State Government or the Central Government. No portion of income and property of the Foundation shall be paid or transferred directly or indirectly by way of dividend, gift, division, bonus or otherwise in any manner whatsoever by way of profits to the persons who may at any time be or have been members of the Foundation to any persons claiming through them; provided that nothing herein contained shall prevent payment in good faith of reasonable and proper remuneration to any officer, servant or persons engaged by the Foundation in return for any services rendered to the Foundation.

26. DISSOLUTION OF THE FOUNDATION

In the case where the Foundation has to be dissolved with the prior approval of the State Government for appropriate reasons, the property and funds of the Foundation that remains after discharging the debts and liabilities, if any, shall not be paid to, or distributed amongst the members of the Foundation or anyone of them but shall accrue to the State Government of Maharashtra which will decide about its utilization in accordance with law or would transfer, give or pay the same to some other institutions with similar aims and objectives, as the Govt. of Maharashtra deems fit.

27. INTELLECTUAL PROPERTY RIGHTS

The Intellectual Property Rights related to any work carried out by the Foundation shall, at all times, vest and be retained solely by the Foundation.

28. RIGHTS OF THE STATE GOVERNMENT OF MAHARASHTRA

Notwithstanding anything contained in any of these Rules, the State Government of Maharashtra may, from time to time issue such directives as it may consider necessary in regard to the finance, conduct of business and affairs of the Foundation and in like manner may vary such directives. The Foundation shall give immediate effect to the directives so issued. In particular the Government of Maharashtra will have the power:

- (a) to give directions to the Foundation as to the exercise and performance of its functions in matters involving national security and substantial public interest.
- (b) to call for such returns, accounts and other information, with respect to the property and activities of the Foundation as may be required from time to time.
- (c) to approve agreement involving collaboration proposed to be entered into by the Foundation.

29. APPLICATION OF THE ACT

Except as stated herein or provided under the Rules and Regulations from time to time, all the other provisions of the Act, as applicable to the State of Maharashtra shall apply to the Foundation.

30. SUBMISSION OF ANNUAL LIST

Once in every year a list of office bearer and members of the Society shall be filed with the Register of Societies as per provisions of section 4 of the Act and Rule 7 of the Societies Registration (Maharashtra) Rules, 1971.

31. LEGAL PROCEEDINGS

The Society may sue or be sued in the name of the Chairman or the Secretary of the Society or a person appointed by the Board of Governors as per the provisions laid down under section 6 of the Societies Registration Act, 1860.

32. MISCELLANEOUS

- (i) As and when there is any change in the nomenclature of ministries, departments or institutions and designation mentioned such changes shall automatically stand incorporated in the rules of the Foundation.
- (ii) Every staff of the Foundation may be sued or prosecuted by the Foundation for any loss or damage caused to the Foundation or its property or for anything done by him/ her detrimental to the interest of the Foundation.

33. ESSENTIAL CERTIFICATE

“Certified that this is the correct copy of the rules and regulations of the Foundation”

CHAIRPERSON, Board of Governors _____

MEMBER SECRETARY, Board of Governors _____

One MEMBER of the Board of Governors

Other than Chairperson and Member-Secretary _____

Annexure – II:

Status of contractual posts of Mangrove Foundation

Contractual positions under Mangrove Foundation

Sr. No.	Designation	Sanctioned post	No. of Post	
			Filled	Vacant
1	Dy. Director – Livelihood Development	1	1	0
2	Dy. Director - Research & Capacity Building	1	1	0
3	Asst. Director – Administration	1	1	0
4	Asst. Director – Finance	1	1	0
5	Asst. Director – Livelihood	1	0	1
6	Asst. Director – Ecotourism	1	1	0
7	Asst. Director - Capacity Building	1	1	0
8	Asst. Director – Research	1	0	1
9	Asst. Director – Projects	1	1	0
10	CSR Coordinator	1	0	1
11	Manager - Human Resource	1	1	0
12	Administrative Officer	1	0	1
13	Finance Officer	2	1	1
14	Civil Engineer	1	1	0
15	Public Relation Officer	1	0	1
16	Surveyor	1	0	1
17	Livelihood Specialist	6	2	4
18	Livelihood Assistant	6	2	4
19	Mangrove Ecologist	1	0	1
20	Marine Biologist	2	2	0
21	Officer - Capacity Building	1	1	0
22	GIS Head	1	0	1
23	GIS Specialist	2	1	1
Total		36	18	18

Annexure – III:

**Details of the non-corpus funds received by the
Mangrove Foundation**

Details of the non-corpus funds received by the Mangrove Foundation

Sr. No.	Funds Origin	Received in	Amount (in Rs.)	Description
1	<u>UNDP SEED Money</u>	December 2015	50,00,000	Received Rs. 50,00,000/- in December 2015 from UNDP Sindhudurg Project towards allocation of a fund for Sindhudurg Chapter of Mangrove Foundation. This fund is being utilised to pay the monthly professional fees of consultants (Biodiversity Specialists) hired from the said project after its successful completion. Balance remaining is Rs. 31,50,950/-
2	<u>Mumbai Trans Harbour Link (MTHL) Project</u> Mumbai Metropolitan Region Development Authority (MMRDA)	April 2017	61,31,00,000	<ol style="list-style-type: none"> 1. Rs. 41.31 Crores - For Mangrove Conservation Plan 2. Rs. 10 Crores - For Marine Biodiversity Plan 3. Rs. 10 Crores - For Airoli Interpretation Centre
3	<u>BNHS-MMRDA-MTHL Project</u> "Implementation of Flamingos and Birds related mitigation measures and birds' monitoring programme for Mumbai Trans Harbour Link (MTHL) Project"	September 2017	31,92,73,240	Total Funds Received Rs. 31,92,73,240/- in September 2017 from MMRDA Out of which Rs. 11,53,09,120/- has been issued to BNHS till November 2019.
4	Maharashtra State Road Development Corporation Limited (MSRDC)	February 2019	14,31,057	Received funds Rs. 14,31,057/- from MSRDC towards Plantation Activity as per CRZ Clearance

Sr. No.	Funds origin	Received in	Amount (in Rs.)	Description
5	<u>Project - Laying of 18" Dia. Petroleum pipeline in Thane Creek Flamingo Sanctuary (TCFS)</u> Bharat Petroleum Corporation Limited (BPCL)	May 2019	1,23,38,000	Received funds Rs. 1,23,38,000/- from BPCL towards deposit of 2% of Project Cost as per directions of State Board of Wildlife
			3,44,000	Received funds Rs. 3,44,000/- from BPCL towards Afforestation Cost as per directions of State Board of Wildlife
6	<u>CSR Funds for Plantation</u> <u>as per tripartite Agreement with M/s Unitedway NGO</u>	May 2019	17,23,200	Received Rs. 17,23,200/- as 2nd Instalment as per tripartite Agreement entered with M/s Unitedway NGO, DFO MMCU. This fund is to be utilised for plantation purposes.
7	<u>Mumbai-Ahmedabad Bullet Train Project</u> “High Speed Railway Project across Mumbai, Mumbai Sub-Urban, Thane and Palghar Districts in Maharashtra” - by National High Speed Rail Corporation Limited (NHSRCL)	September 2019	9,92,33,400	Deposit of 2% of cost of proposed project towards Habitat Improvement of The Thane Creek Flamingo Sanctuary and adjoining forests
			1,23,14,770	As per CRZ Clearance “Based on the current data on mangrove felling, the Mangrove Cell, Thane, Forest Department, Government of Maharashtra shall prepare a comprehensive mangrove plantation and management and protection of Mangrove and the same shall be implemented by the Mangrove Cell, Forest Department, Government of Maharashtra during the course of execution of the project. This plan is for additional mangrove plantation in the ration of 1:5 mandatory requirements under CRZ regulation. Requisite funds for the same are to be deposited to Mangrove Cell.”

Sr. No.	Funds origin	Received in	Amount (in Rs.)	Description
8	<u>CSR Funds for Plantation from Skoda Auto Volkswagen India Pvt Ltd</u>	December 2019	1,33,01,100	Received Rs. 1,33,01,100/- as a CSR Funds towards "Programme of Mangrove Afforestation". This is a 07 year plantation programme. This Fund Rs. 1,33,01,100/- is received for 01st year's operation. The company voluntarily desires to extend financial support of total Rs. 3,08,23,600/- over the course of 07 years (From Nov 2019 to Nov 2026) to Foundation to implement the "Programme of Mangrove Afforestation" in 100 Ha of degraded land in Alibaug.
9	<u>CSR Funds for Plantation from Ajmera Realty & Infra India Limited</u>	December 2019	84,16,945	Received Rs. 84,16,945/- as a Financial Assistance under CSR for the purpose of Mangrove Protection through Chain Link Fencing in Anik District Kurla CTS no. 3P Survey no. 171 (L=550.00 Rmt and CTS no. 1P Survey no. 173 (L=750.00 Rmt)
10	<u>CSR Funds for Plantation from ICICI Bank Ltd</u> To undertake Mangrove Plantation Initiative	February 2020	33,25,000	Received Rs. 33,25,000/- from ICICI Bank Ltd towards 1st year operation funds for undertaking mangrove plantaion initiative of approximately 1,10,000 mangroves / mangrove associates on 25 hectares of barren forest land in Ratnagiri District of Maharashtra through community participation and nurture the same for 03 years
11	<u>"Laying 220 kV underground electric cable in Versova, Mumbai, Maharashtra-reg"</u> TATA Power Company Ltd	March 2020	1,75,84,000	Received Rs. 1,75,84,000/- towards Deposit of 2% cost of Project – "Laying 220 kV underground electric cable in Versova, Mumbai, Maharashtra-reg", as a compliance of its Corporate Environmental Responsibility (CER) under project's CRZ Clearance to M/s TATA Power Company Ltd
Total				Rs. 1,10,73,84,712/-

Annexure – IV:

**Detailed information regarding the mangrove
afforestation programme since 2015 – 16 to 2019 – 2020**

Detailed information regarding the mangrove afforestation programme since 2015 – 16 to 2019 – 2020

Year	Funding source	Hectares	Total Amount Spent (Rs. in Lakhs)
2015 – 16	CIDCO	80	193.77
	MMRDA	30	49.59
Total		110	243.36
2016 – 17	CIDCO	80	245.98
Total		80	245.98
2017 – 18	CIDCO	20	103.011
	CSR Tripartite United Way	20	28.75
	Mangrove Foundation	10	14.37
	MMRDA	95	259.8
Total		145	405.93
2018 – 19	CIDCO	100	316.04
	Mangrove Foundation	67	108.27
	MMRDA	160	281.5
	CSR Tripartite- United way	10	14.91
	State Plan Fund	153	530.93
Total		490	1251.65

Year	Funding source	Hectares	Total Amount Spent (Rs. in Lakhs)
2019 – 20	CSR Tripartite- United way	35	50.5
	CIDCO	76	326.62
	State Plan Fund (391 ha.) and CSR Skoda Volkswagen (100 ha.)	501	1436.9
	Mangrove Foundation	18	5.4
	CSR ICICI	25	36.3
Total		655	1855.72
Total Hectares and Budget		1,480	4,002.64

Annexure – V:

List of villages with MCMCs formed

District-wise list of MCMCs

Name of District (no. of MCMCs)	Taluka	Name of village MCMC	
Palghar (13)	Dahanu	1. Agwan	2. Dhakti Dahanu
	Palghar	1. Chandigaon 2. Satpati 3. Navapur	4. Kelve 5. Kharekuran
	Boisar	1. Murbe	2. Tarapur
	Saphale	1. Karwale 2. Datiware	3. Vedhi 4. Wadhiv
Thane (9)	Bhivandi	1. Kasheli 2. Dive (Kevani) 3. Kharbav 4. Dive (Anjur) 5. Alimghar	6. Malodi 7. Dunge 8. Bharodi 9. Sarang-Surai
Mumbai Suburban (1)	Borivali	1. Gorai	
Raigad (25)	Panvel	1. Kombadbhuje	
	Pen	1. Shirkichal 2. Vadav	3. Div 4. Borje
	Alibaug	1. Bhonang 2. Shahapur	3. Raiwadi 4. Navedarbeli
	Tala	1. Uchel 2. Bhalgaon	3. Mandhad
	Mhasala	1. Pabhare 2. Waral 3. Kalsuri	4. Kandalwada 5. Nigdi
	Roha	1. Dapoli	2. Kude
	Shrivardhan	1. Kalinje 2. Kudgaon	3. Bagmandladanda 4. Diveagar
	Murud	1. Salav/Nidhi 2. Mithekar	3. Chorde
Ratnagiri (24)	Rajapur	1. Ansure 2. Sagwe Khurd 3. Shirse 4. Janshi	5. Juve (Jaitapur) 6. Dhaulvali 7. Keravale 8. Burumbewadi
	Ratnagiri	1. Gaonkhadi 2. Pawas 3. Rai 4. Bhandarwada/ Warawade	5. Gadnaral 6. Mayekarwadi 7. Malgund
	Chiplun	1. Donavali 2. Chiveli bandar	
	Khed	1. Songaon	
	Mandangad	1. Pewe	
	Guhagar	1. Tavsai Khurd	2. Veldur
	Dapoli	1. Murdi 2. Aade	3. Anjarle

Name of District (no. of MCMCs)	Taluka	Name of village MCMC	
Sindhudurg (36)	Devgad	1. Hindale 2. Tambaldeg 3. Mond 4. Mohulgav 5. Wada 6. Tirlot	7. Velwadi 8. Mithmumbri 9. Mithbav 10. Taramumbri 11. Illiye
	Malvan	1. Hadi 2. Achra 3. Juva Pankhol 4. Tondavali 5. Kolamb 6. Teraiwadi	7. Gawthanwadi 8. Nivhe 9. Revandi 10. Gaonkharwada 11. Kothewada
	Vengurla	1. Mochemand 2. Taak 3. Vengurla-Mandvi 4. Nivati 5. Parule 6. Gandhingar	7. Kerwadi 8. Velagar 9. Mhartale 10. Huda 11. Karli 12. Mayana
	Kudal	1. Chendvan	
	Sawantwadi	1. Aronda	

Annexure – VI:

**Details of Ecotourism activities implemented by
Mangrove Foundation**

Details of Ecotourism activities implemented by Mangrove Foundation

Month	Location	Activities	Outcome
May – June 2019	Kalinje, Raigad	Evaluation and needs assessment of material for ecotourism	Procurement and distribution of: <ul style="list-style-type: none"> a. 25 life jackets b. Two pairs of binoculars c. Two double seater Kayaks d. Two angling rods e. Two large size dustbins f. Fitting of outrigger on existing boats for additional stability and safety
June 2019	Kalinje, Raigad	Mangrove Clean-up at an identified Ecotourism site	Total of 150 kgs of solid waste was cleared
July 2019	Mumbai	Photography competition on the occasion of International Mangrove Day	74 entries received and generated photo bank of mangrove and marine biodiversity

November 2019	Anjarle, Ratnagiri	Evaluation and needs assessment of material for ecotourism	Procurement and distribution of: <ul style="list-style-type: none"> a. 27 Life jackets b. 2 Binocular c. 2 Kayaks d. Dustbins big (green ones) e. Informative boards and signages f. 2 Water purifiers (non-electric) g. Set of 27 books / Informative materials h. 1 Portable voice amplifier/ PA system i. 2 LED headlamp (with red light also) j. 1 First Aid box k. 1 Portable microscope l. 2 Bag to carry stuff while on trail m. 4 pairs of Gumboots n. 3 Steel water bottles
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Month	Location	Activities	Outcome		
February 2020	CMBC, Airoli	Communication with LeMark school of art for an Art Installation at CMBC	Installation of an entangled whale sculpture for creating awareness at CMBC, Airoli by students of LeMark school of art.		
March 2020	Raigad, Ratnagiri and Sindhudurg	Allocation and distribution of funds for procuring materials and implementing ecotourism activities			
		District	Village	Amount	Total
		Raigad	Diveagar	₹ 4,78,500	
			Kalinje	₹ 3,31,066	₹ 8,09,566
		Ratnagiri	Songaon	₹ 9,00,000	
			Anjarle	₹ 3,00,000	
			Gaokhedi	₹ 1,00,000	₹ 13,00,000
		Sindhudurg	T ramumbri	₹ 2,62,000	
			Mithmumbri	₹ 87,000	
			ivti	₹ 3,80,000	
			Aachra	₹ 72,000	₹ 8,01,000
	Grand Total		₹ 29,10,566		

Annexure – VII:

**Research Projects commissioned by the Mangrove
Foundation**

Research Projects commissioned by the Mangrove Foundation

Sr. No.	Project/Activity	Institute/Organisation	Project Duration	Status	Total Budget (₹)
1	Elucidating the migratory routes of water birds wintering along the Maharashtra coast	Bombay Natural History Society (BNHS)	March 2017- Feb-2019	Completed	90,15,000
2	Development of Integrated Pest Management (IPM) strategies against the major defoliating pests of mangroves in the Thane district of Maharashtra	Institute of Wood Science & Technology (IWST)	March 2017- Feb-2020	Ongoing	20,37,000
3	Development of Procedures for forensic identification of illegally cut mangrove trees using molecular marker techniques	IWST	March 2017- Feb-2021	Ongoing	39,82,000
4	Wood anatomical studies of important mangrove species from Maharashtra coast for the identification	IWST	March 2017- Dec-2019	Ongoing	24,35,000
5	The species diversity and foraging behaviour of waders in wetlands around Jasai near Uran and Flamingo Bird sanctuary of Thane Creek	B. N. Bandodkar College	Mar-2017- Dec-2017	Completed	2,93,000

Sr. No.	Project/Activity	Institute/Organisation	Project Duration	Status	Total Budget (₹)
6	Monitoring the health of mangroves of Maharashtra state using near real time satellite remote sensing data	Indian Institute of Space Science & Technology (IIST)	March 2018- Feb-2021	Ongoing	77,94,000
7	Documentation of Mangrove and Mangrove Associates from Mumbai	R.D. & S.H. National College	January-2018- April-2019	Completed	61,000
8	Implementation of Flamingos & Birds related mitigation measures and bird monitoring programme for the MTHL project	BNHS	September 2017- Aug-2027	Ongoing	31,92,73,240
9	Studying the incubation temperature of nesting population of olive ridley turtles in coast of Maharashtra	Sumedha Korgaonkar (WII – Research Scholar)	Jan-2019- Oct-2020	On-going	4,58,505
10	Survey of Otter and Crocodiles in Mangrove habitats of ratnagiri district - ELA foundation	ELA Foundation	Jan-2019- Mar-2020	On-going	6,56,000

Sr. No.	Project/Activity	Institute/Organisation	Project Duration	Status	Total Budget (₹)
11	Does fishing pressure affect the feeding ecology of sea snakes?	Dakshin Foundation	Oct-2018- Nov-2019	Completed (Small Grants)	4,53,800
12	Mapping of coastal resources and identifying suitable brackishwater areas for integrated multi trophic aquaculture (IMTA) in Maharashtra	Central Institute of Brackishwater Aquaculture (CIBA)	Sept 2017- Aug-2020	Ongoing	40,00,000
13	Setting up of marine ornamental fish hatchery, Airoli	National Bureau of Fish Genetic Resources (NBFGR)	March 2018- Feb-2021	Ongoing	98,26,850
14	Survey for crab fattening programme in Raigad	Norid-Fishcopfed	Dec-2017- Mar-2018	Completed	75,000
15	Survey of marine flora and fauna in and around the Malvan Marine Sanctuary	Noah Shinde (Bharathi Vidyapeeth, Pune)	Feb-2019- Apr-2019	Completed	60,000

Sr. No.	Project/Activity	Institute/Organisation	Project Duration	Status	Total Budget (₹)
16	Survey of biodiversity and ecotourism potential in and around Songaon, Ratnagiri	Puja Singh (Bharathi Vidyapeeth, Pune)	May-2019- Feb-2020	On-going	17,360
17	Sustainable Alternative Livelihood for Coastal Fishing Communities along the Palghar district of Maharashtra: Molluscan Mariculture Approach	Mr.Santosh Bhendekar, CMFRI-MRC Mumbai	January 2020- January 2023	On-going	26,62,000
18	Diversity and Distribution of Gobiid fishes in Mangroves and associated freshwater and tidal creeks of Maharashtra: assessing cryptic species diversity through integrative taxonomy study	Dr. Unmesh Katwate, BNHS	January 2020-January 2021	On-going	12,00,000
19	Study of intertidal corals along the coast of Maharashtra	Harshal Karve, Marine Biologist, Mangrove Foundation	Jan-2019- Dec-2019	On-going (in-house project)	-
20.	Study of Elasmobranchs along the coast of Maharashtra (Through surveys of major fish landing centres in Maharashtra)	Dhanashree Bagade, Marine Biologist, Mangrove Foundation	April-2019- March-2020	On-going (in-house project)	-

Sr. No.	Project/Activity	Institute/Organisation	Project Duration	Status	Total Budget (₹)
21.	Isolation and Identification of Industrially important Microbial producers of L-Asparaginase from Mumbai Mangroves	Sayali Daptardar VPM's BN Bandodkar College of Science	January 2020-January 2021	On-going (Small Grants)	4,00,000
22.	Characterizing the diversity, life-history traits and the socio-economic drivers of ray fisheries along the Maharashtra coast.	Alissa Barnes	January 2020-January 2021	On-going (Small Grants)	4,99,110
23.	Management of Red Ants Predation on Eggs and Hatchlings inside the protected nests of Olive Ridley Sea Turtle along the Coast of Maharashtra	Anuja Vartak	Dec 2019- June 2020	On-going (Small Grants)	23,000
24.	Mapping biological diversity in the caves of Vengurla Rock Archipelago, Sindhudurg, Maharashtra.	Shirish Manchi SACON	Dec 2019 – December 2020	On-going (Small Grants)	5,00,000
25.	Documentation of Fauna from Tide pool ecosystems along the Ratnagiri and Sindhudurg Coast, Maharashtra	Goldin Quadros SACON	Dec 2019 – December 2020	On-going (Small Grants)	5,00,000

Sr. No.	Project/Activity	Institute/Organisation	Project Duration	Status	Total Budget (₹)
26.	Identifying nursery grounds of Endangered Elasmobranchs around Sindhudurg, Maharashtra	Trisha Gupta Dakshin Foundation	Dec 2019 – June 2020	On-going (Small Grants)	3,00,000
27.	Conservation genetics of Humpback Dolphins along the Maharashtra Coast with a secondary focus on all Cetacean strandings	Mihir Sule CES-IISc	January 2020-January 2021	On-going (Small Grants)	4,95,000
28.	The Distribution of Nesting White-bellied Sea Eagle (<i>Haliaeetus leucogaster</i>) along the coast of Maharashtra, India.	Siddhesh Prakash Bhogte, Independent Researcher	April 2020-April 2021	Yet to Start (Small Grants)	3,43,500
29.	Survey of the major Estuaries/Creek in the Raigad district for the mapping and distribution of some important mangroves species.	Ganesh Pawar, Tuljaram Chaturchand College, Baramati	April 2020-April 2021	Yet to Start (Small Grants)	2,65,000
30.	Identifying Whale Shark distribution sites for improved conservation and monitoring with threatened elasmobranchs diversity in artisanal and mechanized fishery by-catch off the coast of Raigad and Sindhudurg.	Swapnil Tandel, Independent Researcher	April 2020-April 2021	Yet to Start (Small Grants)	3,91,000

Annexure – VIII:

List of Capacity Building activities in the

F.Y. 2018 – 19

List of Capacity Building activities in the F.Y. 2018 – 19

Sr. No.	Activity	Period	Districts covered	Training Institute	No. of people trained
1.	System of Rice Intensification	May 2018	Ratnagiri and Raigad	Mangrove Foundation	55
2.	Mud Crab training	Aug. 2018	Ratnagiri	MPEDA	24
3.	Mud Crab training	Aug. 2018	Ratnagiri	MPEDA	24
4.	Mud Crab training	Aug. 2018	Ratnagiri	MPEDA	21
5.	Oyster culture	Aug. 2018	Sindhudurg	SHG from Sindhudurg	16
6.	Ornamental Fish culture	Aug. 2018	Palghar and Thane	ICAR – National Bureau of Fish Genetic Resources (NBFGR)	48
7.	Internship to students of Botanical Survey of India for 'Community Based conservation of Mangrove Ecosystem'	Aug. 2018	—	Mangrove Foundation	10
8.	Mud Crab training	Sep. 2018	Sindhudurg	MPEDA	23
9.	Workshop for Sub-regional Officers of Maharashtra Pollution Control Board	Dec. 2018	—	Mangrove Foundation, MMCU and External Faculty	13
10.	Ornamental Fish Culture	Feb. 2019	Ratnagiri and Palghar	ICAR – Central Marine Fisheries Research Institute (CMFRI)	21
11.	Ecotourism guide training workshop and Exposure Visit to Sindhudurg	Feb. 2019	Ratnagiri	Mangrove Foundation	14
12.	Ornamental Fish Culture	Mar. 2019	Thane	ICAR – National Bureau of Fish Genetic Resources (NBFGR)	22
13.	Ecotourism guide training workshop	March 2019	Raigad	Mangrove Foundation	22
14.	Mud Crab training	Mar. 2019	Raigad	Rajiv Gandhi Centre for Aquaculture (RGCA)	20
15.	Mangrove Ecotourism workshop in Achra and exposure visit to Vengurla, Sindhudurg	Mar. 2019	Sindhudurg	Mangrove Foundation and Swamini SHG	19
Total					352

Annexure – IX:

List of Capacity Building activities in the

F.Y. 2019 – 2020

List of Capacity Building activities in the F.Y. 2019 – 2020

Sr. No.	Activity	Period	Districts covered	Training Institute	No. of people trained
1.	PA training on introduction and implementation of Ecotourism in Ratnagiri	Apr. 2019	Ratnagiri and Raigad	Mangrove Foundation	10
2.	Ecotourism guide training workshop	Jun. 2019	Sindhudurg	Mangrove Foundation	17
3.	Hygienic handling and value addition in fisheries	Jul. 2019	Sindhudurg	ICAR – Central Institute of Fisheries Technology (ICAR – CIFT)	44
4.	Hygienic handling and value addition in fisheries	Jul. 2019	Sindhudurg	ICAR – Central Institute of Fisheries Technology (ICAR – CIFT)	36
5.	Sea Bass farming training workshop for Project Associates	Jul. 2019	PA's from all districts	ICAR – Central Institute of Brackishwater Aquaculture (ICAR – CIBA)	22
6.	Ecotourism guide training workshop	Jul. 2019	Ratnagiri	Mangrove Foundation	15
7.	Mud Crab training workshop for PA's	Oct. 2019	Thane, Raigad, Ratnagiri & Sindhudurg	Rajiv Gandhi Centre for Aquaculture (RGCA)	15
8.	Ornamental fish rearing training programme	Oct. 2019	Raigad	ICAR – National Bureau of Fish Genetic Resources (ICAR – NBFGR)	30
9.	Soft skills training for the staff of Coastal and Marine Biodiversity Centre, Airoli	Dec. 2019	Navi Mumbai	Mangrove Foundation	16
10.	Ecotourism guide training workshop	Dec. 2019	Raigad	Mangrove Foundation	15
11.	Life Saving Techniques - Water Sports for Ecotourism	Dec. 2019	Raigad & Ratnagiri	National Institute of Water Sports, Goa	11
12.	Hygienic handling and value addition in fisheries workshop	Dec. 2019	Ratnagiri	College of Fisheries, Ratnagiri	60

Sr. No.	Activity	Period	Districts covered	Training Institute	No. of people trained
13.	Hygienic handling and value addition in fisheries workshop	Jan. 2020	Sindhudurg	ICAR – Central Institute of Fisheries Technology (ICAR – CIFT)	57
14.	Hygienic handling and value addition in fisheries workshop	Jan. 2020	Sindhudurg	ICAR – Central Institute of Fisheries Technology (ICAR – CIFT)	50
15.	Ornamental fish rearing training programme	Jan. 2020	Palghar and Raigad (JSW)	ICAR – National Bureau of Fish Genetic Resources (ICAR – NBFGR)	37
16.	Star gazing training programme	Jan. 2020	Raigad and Ratnagiri	Tarangan Educational Trust	17
Total					452

Annexure – X:

List of Exposure visits in F.Y. 2017 – 18 to 2019 – 2020

List of Exposure visits in F.Y. 2017 – 18

Sr. No.	Beneficiaries from district	Exposure visit to	Period	No. of participants
1.	Sindhudurg	ICAR – CMFRI, Kasargod district, Kerala	Dec. 2017	39

List of Exposure visits in F.Y. 2018 – 19

Sr. No.	Beneficiaries from district	Exposure visit to	Period	No. of participants
1.	Thane	Sindhudurg	Nov. 2018	23
2.	Raigad, Ratnagiri and Sindhudurg	ICAR - CIBA facility Chennai for Brackishwater Farmer's Conclave	Jan. 2019	40
Total				63

List of Exposure visits in F.Y. 2019 – 2020

Sr. No.	Beneficiaries from district	Exposure visit to	Period	No. of participants
1.	Ratnagiri	Sindhudurg	Jun. 2019	13
2.	Palghar	Sindhudurg	Jun. 2019	38
3.	Raigad	Sindhudurg	Jun. 2019	34
4.	Thane	Navsari Gujarat Research Center of ICAR- CIBA	July 2019	6
5.	Palghar, Thane, Raigad, Ratnagiri and Sindhudurg	Aqua Aquaria 2019 event at Hyderabad organised by MPEDA	Aug. 2019	108
6.	Palghar, Thane and Ratnagiri	Sindhudurg for Mud Crab farming and session by Dr. Eraniappan	Sept. 2019	55
7.	Raigad and Sindhudurg	Ratnagiri for Mud Crab farming and session by Dr. Eraniappan	Sept. 2019	41
8.	Mangrove Cell and Mangrove Foundation staff	Andaman and Nicobar Islands	Oct. 2019	4
9.	Palghar, Thane, Raigad and Ratnagiri	Brackishwater Farmer's Conclave (BAFAC 2020) organised by ICAR – CIBA	Feb. 2020	67
Total				366

Annexure – XI:

List of Awareness and Outreach activities in

F.Y. 2018 – 19

List of Awareness and Outreach activities in F.Y. 2018 – 19

Sr. No.	Name of Event	Period
Environmentally significant days		
1.	Celebration of International Mangrove Day in all coastal districts of Maharashtra	Jul. 2018
2.	International Wetland Day Celebration and Mangrove Festival, Vengurla Sindhudurg (Mangrove Foundation Stall)	Feb 2019
Turtle conservation workshops for beach managers (at turtle nesting sites)		
1.	Workshops conducted in Raigad district (Total 4 Workshop)	Dec. 2018
2.	Workshops conducted in Ratnagiri district (Total 12 Workshops)	Jan. 2019
3.	Workshops conducted in Sindhudurg district (Total 6 Workshops)	Jan. 2019
Other Programmes/workshops		
1.	Visit by Dr. Neelima Jerath, Evaluator, National Biodiversity Award team to Sindhudurg	Apr. 2018
2.	CIFT scientists team visit to 3 sites in Sindhudurg for Fisheries Infrastructure Development	May 2018
3.	Visit of Mr. Steven Davies, Australian Aqua farmer to the aquaculture sites in Sindhudurg	May 2018
4.	Visit of 32 trainee RFOs, Kundal Forest Academy, Sangli to project sites in Sindhudurg	May 2018
5.	Underwater clean up in Versova, Mumbai by local SCUBA dive masters from Malvan, Sindhudurg	May 2018
6.	Visit by Dr. Anil, Bivalve Scientist, CMFRI to the proposed Multispecies Hatchery Site in Vengurla, Sindhudurg	May 2018
7.	Visit of UNDP – National Resource Management and Biodiversity (NRM) team New Delhi to Sindhudurg	Jun. 2018
8.	Visit of DCF Forest Department team, Karnataka to Sindhudurg	Aug. 2018
9.	Visit of Chief Executive, National Fisheries Development Board (NFDB) Hyderabad to Sindhudurg	Sept. 2018
10.	Marine mammal stranding workshop for veterinary doctors and forest department staff conducted by Mangrove Foundation in association with Kokan Cetacean Response Team	Oct. 2018
11.	Secretary, Fisheries Visit to various aquaculture sites in Sindhudurg	Oct. 2018
12.	Visit of M.Sc. students from South Indian Educational Society to the Coastal and Marine Biodiversity Centre, Airoli	Nov. 2018
13.	Visit of 40 Forest Guards from Goa Forest department to the Project sites in Sindhudurg	Dec. 2018
14.	Visit and meeting on coastal project management by MoEFCC officials, PCCFs and APCCFs of Coastal states and UNDP officials to Sindhudurg	Dec. 2018

Sr. No.	Name of Event	Period
15.	Visit by team of EGREE –Andhra Pradesh project to Sindhudurg	Jan. 2019
16.	Visit of students from Sweden University to Coastal and Marine Biodiversity Centre, Airoli	Jan. 2019
17.	Bhumipujan event of the Multispecies Hatchery at Sindhudurg airport, Sindhudurg, Maharashtra	Mar. 2019
18.	Multispecies Hatchery inauguration by Chief Minister Maharashtra	Mar. 2019
19.	Visit by NFDB officials to the proposed multispecies hatchery in Sindhudurg	Mar. 2019
20.	Visit of Principal Chief Conservator of Forests, Maharashtra State Biodiversity Board, Nagpur to Sindhudurg	Mar. 2019

Annexure – XII:

List of Awareness and Outreach activities in

F.Y. 2019 – 2020

List of Awareness and Outreach activities in F.Y. 2019 – 2020

Sr. No.	Name of Event	Period
Environmentally significant days		
1.	World Environment Day celebration and inauguration of the Ornamental Fish hatchery at CMBC, Airoli	Jun. 2019
2.	International Mangrove Day celebration with school students from Bhiwandi at CMBC, Airoli and Bhiwandi. Photography Competition.	Jul. 2019
3.	World Whale Shark Day Celebration	Aug. 2019
4.	Celebration of Wildlife Week	Oct. 2019
5.	World Wetland Day: Two days' workshop on Ecotourism for Sustainable development	Feb. 2020
Clean-up activities		
1.	<i>Jalosh</i> 2019, Mangrove Clean-up Event on World Environment Day	Jun. 2019
2.	Beach Clean-up drive, Anjarle, Ratnagiri (203 Participants i.e. School students, <i>Kasav Mirta Mandal</i> volunteers, local people from Anjarle and Murdi and Mangrove Foundation staff)	Sept. 2019
3.	Mass beach cleanliness cum awareness drive throughout India under the <i>Swaccha</i> Action Plan (SAP) in Palghar, Raigad, Ratnagiri and Sindhudurg	Nov. 2019
Turtle conservation workshops in school and colleges		
1.	Turtle conservation workshops conducted in Zilla Parishad and private schools in Ratnagiri district (Total 9 workshops)	Aug. – Sept. 2019
2.	Turtle conservation workshops conducted in Zilla Parishad and private schools in Raigad district (Total 3 workshops)	Sept. 2019
3.	Turtle conservation workshops conducted in Zilla Parishad and private schools in Mumbai (Total 3 workshops)	Sept. 2019
4.	Turtle conservation workshops conducted in Zilla Parishad and private schools in Pune (Total 2 workshops)	Aug. 2019
Awareness programmes for fishing community on marine protected species under the WPA, 1972		
1.	Awareness programmes for fishing community on marine protected species under the WPA, 1972 were conducted at Dive agar and Bharadkhol in Raigad district (Total 2 programmes)	Aug. 2019
2.	An awareness programme for fishing community on marine protected species under the WPA, 1972 were conducted at Malvan in Sindhudurg district	Aug. 2019
3.	An awareness programmes for fishing community on marine protected species under the WPA, 1972 were conducted at Walmiki Nagar in Ratnagiri district	Sept. 2019

Sr. No.	Name of Event	Period
Training programmes on collection of systematic turtle nesting data		
1.	Training programme conducted on collection of systematic turtle nesting data for beach managers in Ratnagiri district	Dec. 19
2.	Training programme conducted on collection of systematic turtle nesting data for beach managers in Raigad district	Dec. 19
Marine respondents workshops		
1.	Marine Respondents meeting for addressing turtle and cetacean stranding issues in Ratnagiri	Jul. 2019
2.	Marine Respondents meeting for addressing turtle and cetacean stranding issues in Diveagar, Raigad	Jul. 2019
3.	Cetacean Necropsy Workshop for the veterinary doctors	Sept. 2019
Other programmes		
1.	Short film on turtle conservation work in Sindhudurg District	Apr. 2019
2.	Case Study Tour for ACF (Officer Trainees) of SFS Coimbatore to the project sites in Sindhudurg	Jun. 2019
3.	Visit of MSc students from School of Ocean Science and Technology, Kerala University to the project sites in Sindhudurg	Sep. 2019
4.	Visit by UNDP Munnar team to the project sites in Sindhudurg	Sep. 2019
5.	Study visit by ACF trainees, Dehradun forest academy to the field sites of Sindhudurg	Nov. 2019
6.	Visit by Dr. B Meenakumari, Member, NBFGR board of directors	Jan. 2020
7.	Marine Matters Lecture Series (8 Lectures)	Jun. 2019 – Mar. 2020
8.	Compensation Scheme workshop for Fishermen of Mumbai, Mumbai Suburban, Thane, Raigad, Palghar, Ratnagiri and Sindhudurg district	July – Aug. 2019

Annexure – XIII:

List of Conferences and events funded from

F.Y. 2017 – 18 to 2019 – 2020

List of conferences & events supported in F.Y. 2017 – 18

Sr.	Name of Event	Period
1.	Funding support to Flamingo Festival 2017 organised by BNHS	April. 2017
2.	Support to Silver Jubilee National Conference on Mangrove Ecosystem organised by Mangrove Society of India	Jul. 2017
3.	Funding support to the 31 st Maharashtra <i>Pakshi Mitra Sammelan</i> organised by Here On Project Environment Nature Trust	Nov. 2017
4.	Support to Global Kokan Festival at CIDCO Exhibition centre, Vashi, Navi Mumbai	Jan. 2018
5.	Support to National Conference on Mangroves organised by R.P. Gogate College of Arts & Science and R.V. Jogalekar College of Commerce	Mar. 2018

List of conferences & events supported in F.Y. 2018 – 19

Sr.	Name of Event	Period
1.	Funding support to the 2 nd all India and 32 nd Maharashtra <i>Pakshi Mitra Sammelan</i> organised by Karad Gymkhana	Nov. 2018
2.	Global Kokan Festival at Bombay Exhibition Centre, Mumbai, Maharashtra conducted by Kokan Bhumi Prathisthan	Jan. 2019
3.	Brackishwater Aquaculture Conference (BRAQCON) event at CIBA Headquarters, Chennai, Tamil Nadu organised by ICAR-CIBA	Jan. 2019
4.	Funding support to Bar. Balasaheb Khardekar College, Vengurla, Maharashtra for the International Wetland Day Celebration and Mangrove Festival	Feb. 2019
5.	Exhibition stall at the BLUECON (blue-economy) event at Vashi, Navi Mumbai, Maharashtra organised by Maharashtra Economic Development Council	Feb. 2019
6.	Funding support to Wildlife Trust of India (WTI) for organising Whale Shark Conference in Gujarat	Feb. 2019
7.	Funding support to Department of Botany, Shivaji University Kolhapur, Maharashtra for National Seminar on Mangroves and Coastal Resources	Mar. 2019
8.	Funding support to Vengurla Municipal Council for awareness generation for conservation of marine life event in Sindhudurg, Maharashtra	Mar. 2019

List of conferences & events supported during the F.Y. 2019 – 2020

Sr.	Name of the event	Period
1.	Funding support to MCMC Anjarle for creating awareness about Turtle conservation at the Turtle Festival, Anjarle	Apr. 2019
2.	Funding support to Greenaiders for Mangrove Marathon in Airoli on International Mangrove Day	Jul. 2019
3.	Funding support to MPEDA for organizing AquaAquaria India 2019	Aug. 2019
4.	Funding support to BNHS for International Conference on Wetlands and Migratory Waterbirds of the Asian Flyways	Nov. 2019
5.	Funding support to Eco Folks Pvt. Ltd. for organising Green Theatre Festival in Sindhudurg District	Nov. 2019
6.	Funding support to Vivant UntamedEarth Foundation for organising <i>Sagar Maza Sakha</i> event	Dec. 2019
7.	Funding support to Marine Biological Association of India for Marine Ecosystems Challenges and Opportunities – 3	Dec. 2019
8.	Funding support to the 33 rd Maharashtra <i>Pakshi Mitra Sammelan</i> organised by Amazing Nature	Dec. 2019
9.	Funding support to Arts, Commerce and Science College, Lanja for organizing National Conference on Mangroves on the occasion of International Wetland Day	Jan. 2020
10.	Funding support to International conference on Recent Biotechnological Innovation in Aquaculture (LIVE AQUA 2020) organized by ICAR – NBFGR	Feb. 2020

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