

VOICES FROM THE COAST

Building resilience against rising seas, empowering vulnerable communities, and restoring ecosystems for a sustainable future.



**ODISHA PARYAVARAN
SANRAKSHAN ABHIYAN TRUST**
— SINCE 2014 —



GRASSROOTS ACTION • GLOBAL IMPACT

Key Objectives of OPSA Trust

2030 UN SUSTAINABLE DEVELOPMENT GOALS RELATED TO OPSA ACTIVITIES



ACTION - BASED

Intervention Areas/ Objectives

Mangrove Ecosystems Conservation
 Sea Turtle Conservation
 Ramsar Site Conservation
 Palm Plantation Drive - Disaster Risk Reduction Initiative
 Sand Dune Restoration - Beach Erosion Prevention Initiative
 Forest Fire Prevention
 Wildlife Poaching Control
 Bird Conservation

ADVOCACY - BASED

How?
CLIMATE SOLUTIONS
 THE OPSA TRUST

Cultural Events
 Community Engagements
 Volunteer Engagements
 Awareness Engagements



UNITED NATIONS DECADE ON
ECOSYSTEM RESTORATION
 2021-2030



LiFE
 Lifestyle for Environment

Note : As per the nature of the initiative, advocacy-based interventions may also have action-based interventions within and vice-versa.

OUR VISION

TO BUILD A RESILIENT COASTAL ODISHA
WHERE THRIVING ECOSYSTEMS, AND
EMPOWERED COMMUNITIES COEXIST

MISSION

TO PROTECT AND RESTORE COASTAL
BIODIVERSITY THROUGH COMMUNITY-
DRIVEN CONSERVATION INITIATIVES

VALUES



Mission-Driven

Every action aligned with biodiversity
conservation and community
empowerment



Community-First

Local communities at the center of all
conservation initiatives



Locally Rooted

Deep understanding of Odisha's unique
coastal ecosystems and challenges

OUR CORE FOCUS AREAS

- MANGROVE ECOSYSTEM
CONSERVATION
- SEA TURTLE
CONSERVATION
- RAMSAR SITE
CONSERVATION
- PALM PLANTATION DRIVE
- DISASTER RISK
REDUCTION INITIATIVE
- SAND DUNE RESTORATION
- FOREST FIRE PREVENTION
- WILDLIFE POACHING
CONTROL
- BIRD CONSERVATION



Mangrove Ecosystem Conservation

Protecting & Restoring Critical Mangrove Forests along Odisha's Coastlines for Climate Resilience and Biodiversity Conservation

Mangrove Ecosystem Restoration

Comprehensive Restoration Programs Focusing on Replanting Native Mangrove Species, Soil Rehabilitation & Building Ecosystem



1. Nursery Establishment



2. Seed Sowing in Indigenous Method



3. Direct Seed/Hypocotyl Plantation

Community-Based Capacity Enhancement

Comprehensive Training Programs Empowering Local Communities with Knowledge, Skills & Resources Needed for Effective Mangrove Conservation, and Sustainable Management of Natural Resources





Public Outreach & Awareness Campaigns

Multi-channel Awareness Campaigns Designed to Educate Diverse Audiences about Mangrove Conservation Importance, Utilizing Traditional Media, Digital Platforms, and Community Engagement Strategies for Maximum Impact

Environmental & Ecological Literacy

Comprehensive Educational Programs Designed to Build Ecological Literacy among Students, Educators, and Community Members; Fostering Deep Understanding of Mangrove Ecosystems and Their Critical Role in Coastal Protection



Mangrove Debris Removal & Habitat Cleanup Drives

Systematic Cleanup Initiatives Targeting Plastic Waste, Marine Debris, and Pollutants from Mangrove Habitats, Combined with Waste Management Education and Community Mobilization for Long-Term Biodiversity Protection



Field-based Mangrove Exposure/ Learning Visits

Immersive Field Experiences Providing Hands-on Learning Opportunities in Mangrove Ecosystems, Featuring Guided Nature Walks, Scientific Demonstrations, and Interactive Sessions with Conservation Experts

Invasive Species Detection

Advanced Monitoring and Removal Programs Targeting Invasive Plant Species that Threaten Native Mangrove Ecosystems, Utilizing Scientific Detection Methods, and Restoration Techniques for Ecosystem Recovery



Mainstreaming Mangrove Conservation Across Sites

Strategic Initiatives to Integrate Mangrove Conservation into Broader Environmental Policies, not just along Devi River Mouth Landscape, but also in Vulnerable Coastal Districts of Balesore, Ganjam & Jagatsinghpur (Erasama, 1999 Super Cyclone Landfall Area)



Our Impact through Images



33,000+
Mangroves Planted

And **45,000** Mangrove Saplings
Are Ready to be Planted, Soon!!





230+

Communities Engaged

Working Directly with **230+** Fishing Communities in Coastal Villages of Odisha for Sustainable Conservation





250+

Hectares Area Protected

Our Decade-long Consistent Efforts
Have Reduced **95%** Human-made
Degradations in Coastal Odisha



Glimpses of Our Actions...





Sea Turtle Conservation Program

Protecting Endangered Sea Turtles through Community-based Conservation, Advanced Hatchery Programs, and Comprehensive Awareness Initiatives along Odisha's Coastline



Coastal Patrolling & Habitat Monitoring

Round-the-clock Monitoring of Nesting Beaches during Turtle Season to Protect Nests from Predators and Human Interference



Artificial Incubation & Species Recovery

Advanced Hatchery Techniques to Maximize Hatching Success Rates and Ensure Genetic Diversity in Turtle Populations



Routine Patrolling & Field Surveillance

Essential Documentation of Mortality Trends, Threat Assessment, and Timely Reporting to Strengthen Advocacy and Government Response



Scientific Hatchery Management Training

Training Local Communities
and Conservationists in Modern
Hatchery Management
Techniques and Turtle Biology



Beach Cleanup & Habitat Restoration

Regular Beach Cleaning Drives
and Habitat Restoration to
Maintain Pristine Nesting
Environments for Sea Turtles



Youth Conservation Leadership Program

Empowering Young
Conservationists through
Hands-on Experience in Turtle
Conservation, and
Environmental Leadership



Environmental Literacy & Outreach

Community Awareness Programs, Educational Workshops, and Outreach Initiatives to Promote Olive Ridley Sea Turtle Conservation



Rescue & Rehabilitation Initiatives

Protecting Schedule-I Species under the Wildlife Protection Act, 1972 — Vigilant Response at Mass Nesting Sites of Rushikulya & Devi River Mouth to Rescue Mother Turtles from Entanglement and to Assist Vulnerable Hatchlings on their Journey to their Home (Sea)





Ramsar Site Conservation

Protecting Internationally Important Wetlands and their Diverse Ecosystems under the Ramsar Convention through Community Engagement and Innovative Conservation Strategies



Mobile Van Awareness & Community Outreach

Reaching out to Remote Communities to Educate about Wetland Conservation, Sustainable Practices, and the Importance of Ramsar Sites



Lagoon Cleanup Drives for Pollution Mitigation

Comprehensive Cleanup Initiatives Targeting Pollution Sources in and around Ramsar Wetlands



Art-led Environmental Communication

Creative Programs using Wall Arts, Music, and Cultural Expressions to Communicate Environmental Messages



Palm Plantation Drive for Disaster Risk Reduction

Conducting Palm Plantation Drives to Reduce Lightning Related Disasters & to Strengthen Natural Coastal Defenses



Lightning Risk Reduction

Planting Indigenous Palm Species to Minimize Lightning Risks, Protect Soil, and it also Acts as Natural Green Barriers in Cyclone-prone Zones.



Coastal & Estuarine Protection

There is a Growing Threat of Sea-level Rise and Riverbank Erosion in Estuarine Zones. Palm Roots Help Bind the Soil, Reducing Erosion & Acts as a Natural Buffer against Storms.



Biodiversity Revival

Palm Trees also Provide Shelter and Support to Various Local Species, Enhancing Ecological Balance, and Restoring Native Ecosystems in the Region.



Sand Dune Restoration

Protecting and Restoring Critical Sand Dune Ecosystems along Odisha's Coastline to Enhance Coastal Resilience & Biodiversity



Community Sensitization

Engaging Local Communities, Beach Visitors, and Forest Department Officials to Promote Sustainable Sand Dune Management and Conservation



Habitat Restoration Efforts

Regular Beach Cleanup Drives and Habitat Restoration Activities to Maintain the Health and Stability of Sand Dune Ecosystems



Dune Stabilization & Conservation Initiatives

Implementing Innovative Techniques to Stabilize Sand Dunes & Restoring Native Vegetation to Enhance the Resilience of Coastal Ecosystems



Forest Fire Prevention

This Comprehensive Program Combines Modern Techniques with Traditional Wisdom for Effective Protection of Forests

Community Awareness & Preparedness Campaigns

Empowering Local Communities with Knowledge and Skills to Prevent and Respond to Forest Fires



Educational Support for Forest-dwelling Communities

Providing Targeted Education and Resources to Forest-dwelling Communities for Sustainable Forest Management





Wildlife Poaching Control

Wildlife Poaching Threatens Odisha's Rich Biodiversity. Our Anti-Poaching Program Works with Local Communities and Forest Departments to Protect Vulnerable Species



Community Sensitization & Awareness

Engaging Local Communities to Understand and Prevent Wildlife Poaching through Targeted Awareness Programs



Environmental Education Initiatives

Empowering Communities with Knowledge about Wildlife Conservation, Importance of Ecosystem & Peaceful Coexistence



Livelihood Support through Climate-Resilient Vegetable Cultivation

Providing Sustainable Agricultural Solutions that Support Local Communities while Reducing Pressure on Wildlife Habitats



Comprehensive Avian Conservation

Odisha's Rich Avian Diversity Faces Threats from Urbanization & Habitat Loss. Our Innovative Conservation Program Combines Scientific Research, Community Engagement, and Practical Interventions to Protect Vulnerable Bird Populations



Community Engagement & Sensitization Sessions

Building Awareness and Fostering Community Participation in Bird Conservation through Interactive Sessions and Workshops



Installation of Artificial Nesting Structures

Providing Safe Nesting Habitats for Birds through Strategically-placed Nest Boxes and Artificial Structures



Monitoring & Periodic Population Tracking

Regular Monitoring and Documentation of Bird Populations to Track Conservation Progress and Species Health



Coast Fest: Community Education & Collective Awareness for Coastal Conservation

An Annual Initiative to Educate 25,000 Coastal Residents and Young Generations on Mangrove Ecosystems, Biodiversity, and Ocean Health; Fostering Climate Resilience through Exhibitions, Visual Presentations, and Interactive Learning





Emergency Relief & Rehabilitation Initiative

Our initiative addresses Odisha's vulnerability to recurring floods and cyclones.

We deliver emergency relief through food, water, sanitation, and medical support in cyclone and flood-prone blocks like Kanas and Gop in Puri District with support of District Administration.

We remain committed to building safer, stronger, and more resilient communities.



AWARDS & RECOGNITIONS



1. Amazing Indian Award 2022 (Environment) by Times Group, received from former Vice President of India
2. Limca Book of Records
3. Applauded by Hon. Union Education Minister, Hon. Union Forest Minister
4. United Nations – India Yuwaah Advocate 2022–24
5. Under 17 Grassroots Youth Climate Leaders of India by United Nations – India
6. Mycity Award by Media Outlet 'My City Link'
7. Argus TV Yuva Prativa Samman Winner 2025 (Environment)
8. Manish Yuva Prativa Samman 2025 by Popular Odia Media Outlet 'Nirbhaya'
9. 40 Under 40 Most Inspiring Eco-sapiens by English Daily 'The New Indian Express'
10. Recognized by Dakshin Foundation
11. Acknowledged by Chilika Wildlife Division
12. Acknowledged by Berhampur Forest Division
13. Biju Patnaik Wildlife Award for Wildlife Conservation by Puri Wildlife Division
14. Delegation of the Prominent USA Government Program – International Visitors Leadership Program (IVLP) on Climate Change and Biodiversity Conservation
15. Cohort of Climate Action Champions Network (CACN) by USA Govt (New Delhi, Nepal, Sri Lanka and UAE)
16. Recognized by the Rotary International, Bhubaneswar
17. Recognized by the Jagrut Odisha
18. Recipient of the Dharitri Climate Grant 2023 by Odia Media Outlet 'The Dharitri'
19. Recipient of the CCP Grant by WWF India among 6 Grassroots organizations of India
20. Recognized by Centre for Climate Change Studies, Sathyabama Institute of Science & Technology, Tamil Nadu
21. Delegate at the 12th World Environmental Education Congress (2024) held in UAE
22. Cohort Member at TechCamp Kochi – by the U.S. Government
23. Delegate at the 1st International Mangrove Conference, UAE
24. Best Youth Club Award by NYKS, Government of India

Contribute Today For Tomorrow.



ODISHA PARYAVARAN
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— SINCE 2014 —

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