

Nature-based Solutions

ABOUT

We are a NABET accredited category A and ISO 9001:2015 certified Nature-based Solutions company based in Mumbai, India. We have an 15 - year track record of over 200+ projects while being one of India's leading environmental consultancy firms. We offer tailor-made solutions to the complex development- environment paradox faced by governments, industries and civil society. We assist them in proactively managing environmental and ecological challenges in mining, infrastructural development (railways, roads, airports, ports etc.), urbanization, industrialization and more.

VISION

Populating Nature-based solutions for a cleaner, greener, healthier planet.

MISSION



Deploy Naturebased Solutions



Induce Ecological **Benefits**



Generate Social **Benefits**



Achieve Scalable and Measurable Impact



Create Sustainable Livelihoods



Build Climate-resilient Communities



Conserve and Restore Natural **Ecosystems**



Promote Carbon-neutrality



Economy



Reinforce Circular Adopt Technologyenabled Solutions

OUR NUMBERS







Projects



Saplings Planted



Trees Inventoried

Clients

SOLUTIONS

ECOLOGY AND BIODIVERSITY

Our approach to conservation enables development to coexist with ecology and biodiversity. For unavoidable biodiversity loss, we possess the expertise and knowledge for undertaking mitigation and restoration efforts. Moreover, we suggest well-researched and expert biodiversity offsets. Additionally, we conduct capacity building programs to create awarenss. We also design biodiversity parks and ecotourism centres to serve educational, environmental and economic aspects of conservancy. The service offered by us include-

- 1. Tree Census / Tree Inventory
- 2. Greenbelt Assessment, Design & Development
- 3. Plantation & Transplantation
- 4. Urban Ecology
 - (a) City Biodiversity Index (CBI)
 - (b) Local Biodiversity Strategy and Action Plan (LBSAP)
- 5. Terrestrial Habitat Ecology
 - (a) Biodiversity Assessment and Action/Management Plan (BAP/BMP)
 - (b) People's Biodiversity Register (PBR)
 - (c) Ecological Profiling of an Area
- 6. Coastal and Marine Ecology

ENVIRONMENTAL MANAGEMENT

We are NABET accredited for carrying out planning, assessment and mitigation studies in 10 sectors- Ports/Jetty, Harbours & Breakwaters; Mining; Oil & Gas Exploration & Production; River Valleys, Dams & Small Hydro Electric Projects; Metallurgical Industries; Oil & Gas Pipelines & Transportation; Storage & Handling of hazardous chemicals; Municipal Solid Waste Management; Building & Construction;

Townships & Development. The services offered by us include-

- 1. Environmental & Social Impact Assessment (ESIA)
- 2. Environmental Management Plan (EMP)
- 3. Environmental Audit & Action Plan
- 4. Environment, CRZ & Forest Clearance

ECOLOGICAL RESTORATION

Declined and dysfunctional ecosystems have severe adverse effects on our health, livelihoods and productivity. We renew, recreate and restore terrestrial and aquatic ecosystems to bring back the natural elements into economic mainstream.

Ecological restoration can be performed on land that has been degraded due to mining, soil erosion, extreme climatic conditions etc., for wetlands destroyed due to landfills and conversion, and for water-bodies that are affected by Eutrophication or have been polluted due to chemical discharge, sewage disposal,

- and agricultural run-off. We do-
- 2. Land Restoration (mines/wastelands)
- 3. Watershed Development

1. Lake & River Restoration





ECOLOGICAL LANDSCAPING

We designed India's largest landscape with Nature-based aspects for AURIC Shendra, Aurangabad. When harnessed strategically and sustainably, natural elements (water, wind, sunlight, soil and various ecosystems) provide the best architectural layout. Benefits of incorporating ecological considerations in the lanscape designing include-

- 1. A clear hierarchy of streets, roads with sidewalks, bicycle lanes, pedestrian-friendly streets
- 2. Conservation of Natural Heritage
- 3. Coexistence of the Grey and the Green infrastructure
- 4. Using Clean energy, Water conservation features and sustainability features
- 5. Connected open spaces within the borrowed landscape
- 6. Resilient infrastructure to abosorb natural calamities.

SUSTAINABILITY AND CLIMATE CHANGE

Climate Change is the greatest challenge of the century. While there is a broad understanding on the urgency of action, the speed and visibility of steps to be taken by various stakeholders are missing. We assist in devising sustainability and climate change strategies for protecting and managing environment to create no net loss or carbon neutral growth. Our services include-

- 1. Sustainability Strategy
- 2. Carbon / GHG Footprinting
- 3. Water and Waste Footprinting
- 4. Energy Audit, Modelling and Efficiency

"The wealth of the nation is its air, water, soil, forests, minerals, rivers, lakes, oceans, scenic beauty, wildlife

PRIME MOVERS

First and only ecology driven environmental consultancy

PATHFINDERS

We intervene
environmentally to
resolve societal
challenges
with Nature-based
Solutions

OUR DISTINCTION

PROBERS

We continually work on extending our solutions and reach

PACEMAKERS

Our work strives to conserve all ecosystems simultaneously

PIONEERS

India's first- • Inventorisation of 10 million trees

- CBI and LBSAP for a city
- EMMP for a 'Green and Sustainable' Port
- BMP for a mining and metals major

OUR JOURNEY

2008

India's first and only ecology-based environmental consultancy

2009

First company to Adeploy GIS & GPS in Tree Census (our proprietary 'VrukshaSharad+')

2010

Obtained MoEF approval for scientifically designed Greenbelt for a greenfield power plant project

2011

DPRs for 7 Integrated Watershed Development projects in Assam

2012

Critical Marine Ecology study for Mumbai Trans Harbour link project

NABET accreditation

to conduct EIA studies across India

2017

Biodiversity-themed Coffee Table Book for a Navratna PSU

Restoration of mangrove ecosystem

2016

Transplantation of 350 trees with 80% Survival Rate

2015

Ecological Restoration of Degraded Lakes And Waterbodies 2014

India's First CBI

and LBSAP for city

2018

World's largest tree census of 4.8 million trees in 14 months

> In India's top 20 promising landscape Master Plan environmental consultants-**Business Review**

India's largest with Clouston Associates, Australia 2019

Ecological profiles of 5 talukas in South Gujarat

India's first Integrated Development Carbon-neutral project-ERSL-for 100k families

India's first PBR for a Municipal Corporation in Maharashtra

2020

Creating Proprietary agro-forestry business model for achieving 8 SGDs, carbon credits and more

Delivering 20 BMPs for Tata Steel, UltraTech Cements, JSW Steel & Hindalco

> EIA / EMP for Komorta & Campbell Bay in the Great Nicobar Islands

Greenspace assessment & development for BARC & RCF

CBI & LBSAP for Nagpur Municipal Corporation

Mainstreaming biodiversity in realty projects of Mahindra, Birla Estates, Brookfield, K Raheja Corp etc

Delivered record 11 BMPs for Ultratech Cements, Lodha, Mahindra Lifespaces, J K Tyres, Vedanta Silvassa, Hindalco

Completed tree census and urban forestry works for PCMC

2021

Launching 'Plantation with Purpose' Collaborations with IUCN, WWF-India and NextEnergy Capital (Renewable Energy) for Biodiversity Projects

Inventorisation 2300+ waterbodies for MMR region Prepared 3 Wildlife Conservation Plans for mining major

> India's largest landscape Master Plan with Clouston Associates, Australia

To many people, 'biodiversity' is almost synonymous with the word 'nature,' and 'nature' brings to mind steamy forests and the big creatures that dwell there. Fair enough. But biodiversity is much more than that, for it encompasses not only the diversity of species, but also the diversity within species. -Jerry Greenfield

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