



About Terracon ...

Terracon Ecotech Pvt. Ltd. is India's first ecology based environment solutions provider, run by a team of professionals, with more than two decades of hands-on experience & expertise. Terracon strongly supports sustainable development and promotes conservation of natural resources without compromising on the need for development. It helps organizations practice 'sustainability' by intervening and enhancing environmental factors to prevent its degradation.

Terracon strengths include its knowledge and capabilities in the areas of ecology, botany, agriculture and environmental science. Its expertise helps clients in creating and promoting biodiversity for a safe and secure planet for future generations.

We at Terracon believe in development for the economic and societal progress. We also strongly believe that development in the world must have the ability to co-create sustainable plans to ensure that the ecological balance is not lost. Terracon provides solutions that can mitigate the negative impact of the development on environment.

We help Corporates, SEZ's, Developers, Government Agencies, Municipal Corporations and Development institutes, undertake environment-friendly development by promoting biodiversity and enhancing natural habitat.

Terracon is an end-to-end service provider offering sustainable solutions. We undertake projects on turnkey basis to ensure proper execution. We are a one-stop-shop with proven track record, which spans over two decades.

S E R V I C E S



Tree Inventory

Location (using GPS & GIS systems), Counting & Identification
Biodiversity, Planting / Landscape Management, Species composition



Eco-Restoration

Wastelands, Regeneration of closed mines, Disturbed sites
Managing overburden, Restoring ecosystem



Green Belt Development

Shelter belts for Industries, Highways, Airports, Railway
Carbon Sequestration, Pollution abatement, Aesthetics improvement



Biodiversity Conservation & Sustainability Planning

Environmental accounting, Biological diversity
Sustainable ecosystem, Conservation of natural resources



Impact Assessment - Environment

Baseline data, Environment Management Plan (EMP)
Rapid & Comprehensive EIA, Strategic Plan



Need Based Solutions

Water harvesting, Nature Parks, Botanical Garden
Afforestation, Wasteland development, CSR Activity



We increase your
ecological footprints...



Tree Inventory

Terracon and its associates is the single largest tree Census conducting organisation in the country with the highest number of projects successfully completed.

We have now incorporated tree inventory/census with the most modern gadgets such as GIS & GPS, which makes the results more accurate. Each project involves physical survey and recording of individual trees in the defined area with relevant details such as latitude and longitude, botanical name, common name, approx age, height, girth, canopy etc.

Terracon has recently launched a proprietary, user friendly software viz. Vruksh Sharad for managing tree inventory and related analytics. The software can provide quick search results, analytical tools and acts as knowledge bank of trees and other forms of vegetation. The customized GIS based software has the added features of plotting trees on maps with location accuracy.

The software is also beneficial to clients and users in obtaining information on species composition in an area and facilitates species diversity management. Also helps in taking decisions on tree planting and removal planning and prioritization. The software will help the researchers, students and planners (landscape, ecological and restoration) to effectively study and develop plans.



Eco-Restoration

Land which were once biologically productive has been degraded or totally destroyed, and felt in a state that it cannot be used even for leisure or recreation activities. Added to this are increasing population pressure and a threatening world-wide shortage of food. Land is not resource, which automatically renews itself like rainfall or sunlight. So we now have to consider the way we are using this critical natural resource. We have to be prepared to restore exploited land to a condition approaching its original biological potential for both food production and amenity.

The practice of ecological restoration is major tool that helps to recover the loss of biodiversity; improve the land's capacity to support desirable vegetation (i.e. crops, forest, and pastures) and to enhance the yield level of damaged land making it productive and useful.

We specialize in projects pertaining to eco-restoration on degraded / mined out lands / water bodies. We analyze & assist the recovery of an ecosystem that has been degraded, damaged, or destroyed due to mining, soil erosion, extreme climatic conditions or any such other activity.

We provide solutions that will initiate or accelerate ecosystem recovery with respect to its health (functional processes), integrity (species composition and community structure), and sustainability (resistance to disturbance and resilience).

We also have association with Australian companies specializing in such activity with proven expertise and experience. We have the option to work with them for complex projects of eco-restoration.

We help you create an environment-friendly development.



Green Belt Development

Green belt is plantation of trees for reducing the pollution as they absorb both gaseous and particulate pollutant, thus removing them from atmosphere. Green plants form a surface capable of absorbing air pollutants and forming sinks for pollutants. It improves the aesthetic value of local environment.

Internationally accepted practice is for 'ecologization' of various habitats - residential areas, industrial estates and even infra-structural projects. This has to be done in line with norms for Green Housing, Clean Green Industrial Estates, Planting of Mining areas, Roads and Highways, that are being evolved. Conservation of indigenous plant species, capable of regenerating functional ecosystems by attracting pollinating insects and birds, is an important consideration in the planning of Green Belt.

We at Terracon evaluate, plan & execute green belt projects for industrial complexes, highways, SEZs, airports, railways, townships etc. We plan the green belts with emphasis on creating biodiversity; enhance natural surroundings and mitigating pollution.



Biodiversity Conservation & Sustainability Planning

The term "biodiversity" is a contraction of the phrase "biological diversity". Biodiversity means the richness and variety of life - of genes, species and ecosystems. Biodiversity maintains the health of the earth and its people.

It provides us with food and medicine and contributes to our economy. It tells us a lot about the health of the biosphere. Greater the variety of species, healthier the biosphere that enhances the ability to maintain ecological processes over long periods of time. Sustainability of an ecosystem is the ability of that ecosystem to maintain its structure and function over time in the face of external stress. The more sustainable an ecosystem is, the healthier it is because it is able to "deal" with external stress better (i.e. limiting factors).

The biodiversity of an ecosystem contributes to the sustainability of that ecosystem.

- Higher/more biodiversity = more sustainable.
- Lower/less biodiversity = less sustainable.
- High biodiversity in an ecosystem means that there is a great variety of genes and species in that ecosystem. A great variety of genes and species mean that the ecosystem is better able to carry out natural processes in the face of external stress, thereby making the ecosystem more sustainable.

Sustainable ecosystem is for the environment and for people as people use ecosystems as source of food, medicine and economy. It is in everyone's best interest to increase the sustainability of ecosystems.

Terracon helps design sustainable solutions, with increased focus on increasing biodiversity to have a long term positive impact on businesses. Our solutions mitigate the developmental damage as also enhance the availability of natural resources for future use.

We help you create an environment-friendly development.



Impact Assessment- Environment

The environmental impact assessment procedure adapted by us has been developed primarily as an aid to the environmental planning of new development projects or to the expansion of existing development projects. It is very important to understand the impact of EIA fits into the overall scheme of the environmental management. We help create a preventive process of EIA, which is effective & result oriented. EIA is a statutory requirement for any large developments.

EIA is conceived as a policy and management tool for both planning and decision making. It is expected to assist the identification, prediction and evaluation of the foreseeable environmental consequences of proposed development projects, plans and policies. We provide the services like various types of EIAs, Rapid EIA, Comprehensive EIA, Environmental Health Impact Assessment (EHIA), Strategic Level EIA (SEA).



Need Based Solutions

We undertake other environmental projects such as Lake Restoration, Rain Water Harvesting, Water Conservation, Bird Attraction, Watershed Development, Afforestation etc. with specific need on a turnkey basis.

We also provide support to local NGOs, corporations and government agencies for wasteland development as a solution to increase local employment and provide economic stability.

We help organizations to be statutory compliant with Government bodies like State & Central Pollution Control Board, Ministry of Environment & Forest and other regulatory bodies.

We also help the corporates fulfill their CSR (Corporate Social Responsibility) obligations, with our services focused on environmental improvement.

Need Based Solutions



Team

The Team at Terracon consists of experienced professionals specializing in environment conservation, project planning & management. The multi-talented professionals each with more than two decades of experience form the core team of Terracon. The core team is backed with a multidisciplinary team of GIS expert, Engineers (Grading & Drainage), Landscape Architects, Geologists, Ecologists, Biochemists, Horticulturists, Economists and allied experts of required specializations.

The core team provides lateral perspective to the projects, with an emphasis on the economic viability, innovative solutions and sustainability.

The core team consists of the following professionals:

Ramesh Madav Ph.D, Managing Director

- A doctorate in environmental science
- A well known professional in the area of horticulture & agriculture, for planning and development for more than 25 years
- Pioneered Tree census for various civic bodies and designed tree inventory management solutions for corporates
- Visiting Faculty, Speaker, Researcher at agricultural and management institutes
- Professional trainings in Remote Sensing, Sustainable Agriculture, Watershed Development & Sustainability Reporting

Susil S. DUNGARWAL, Director

- An MBA with 24 years of experience in Real Estate & Retail Sector
- Credited with starting new companies and ventures including Lakewood Malls (Hiranandani), The LOOT, Emaar MGF, Ishanya, Beyond Squarfeet Advisory etc.
- Brings strengths like organizational development, strategy, marketing & business development

Ashok Jain, Director

- An MBA, LL.B. and CFA, with 16 years experience in agribusiness, financial service, retailing and commodity sectors
- Exposure in businesses like commodity procurement and trading, supply chain management, risk management, corporate finance, capital markets and international business development
- Brings financial, legal, strategic and analytical perspective to business

Team



There is a sufficiency in the world for man's need but not for man's greed.
- ***Mahatma Gandhi***



Land is not a simple commodity that can be stored and replaced, destroyed and remade, or even recycled in exactly the same way as manufactured goods. It is a complex biological system built up over a long periods of time. If we are to restore it we must understand how it functions biologically, physically and chemically.

- ***A D Bradshaw, 1980***



Nature provides a free lunch, but only if we control our appetites.
- ***William Ruckelshaus, Business Week, 18 June 1990***



We do not inherit the earth from our ancestors; we borrow it from our children.
- ***Native American Proverb***



"We are now running out of time, and the question now is not what is happening to the climate, but how bad will it be before the world starts doing enough?"
- ***Jonathon Porritt, 2007***



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