

• GREENRICH GROUP •



My
Green
Bin

LIVE CLEAN GO GREEN
Creating wealth from waste

LET'S
MAKE

A BETTER
PLANET

OUR Waste
Responsibility



CLEAN
INDIA

REDUCE Global Warming | REUSE the Wet Waste | RECYCLE as Organic Manure

Since 2017, Greenrich Groups has been a leader in sustainable waste management, offering comprehensive solutions under the MYGREENBIN brand. Our company is certified ISO 14001:2015 and CE, and our products have earned the "GREENPRO" certification from CII and IGBC, confirming their eco-friendliness throughout their lifecycle. We are committed to reducing environmental impact and promoting sustainability across various sectors

QUALITY CERTIFICATION

Certificate of Registration

This is to certify that
The Environmental Management System of
GREENRICH GROW INDIA PVT LTD
 Has No. 31, A, Chokkikulam Industrial Estate, Madhavaram,
 (Vennar - 600099) (Tamil Nadu)

*has been assessed and found to be in compliance with
 the requirements of the standard*

ISO 14001:2015

for the following scope :
**Manufacturer & Supplier of Waste Management
 Systems & Equipment**

GREENRICH INDIA PVT. LTD. - 600099-0992 (INDIA)

BUREAU VERITAS CERTIFICATION INDIA PVT. LTD.
 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 8

[illegible][illegible][illegible][illegible]

GOVERNMENT OF INDIA
MINISTRY OF COMMERCE AND INDUSTRIES
PATENT OFFICE, NEW DELHI

CERTIFICATE OF REGISTRATION OF DESIGN

Design No. 1/2005-06
Design Title: A process for the preparation of a novel compound
Design No. 1/2005-06

Applicant: Dr. R. K. Sharma, Director, Central Institute of Chemical Technology, Kharagpur, West Bengal, India

Registered on: 19/05/2005

Valid for: 10 years from the date of filing of the application

Controller General of Patents and Designs, New Delhi

CII-Green Products and Services Council
 (Incorporated under the Companies Act, 1956)

MyGreen-Eco Computer and Monitors
 (PVT) LTD.

Manufactured by MyGreen-Eco Computer and Monitors (PVT) LTD. (Incorporated under the Companies Act, 1956)

This certificate is valid till 10th December 2014

(Signature)
 Chairman, CII-Green Products & Services Council

(Signature)
 Secretary, CII-Green Products & Services Council

(Signature)
 Chairman, CII-Green Products & Services Council

(Signature)
 Secretary, CII-Green Products & Services Council

CII - Greenpro Certificate

[illegible][illegible]



Effective for diverse sectors

At Greenrich, we provide comprehensive, end-to-end waste management solutions to a wide array of sectors, encompassing:

- Residential spaces: Apartments, Gated Communities, Townships, and Housing Societies
- Healthcare institutions: Hospitals, Clinics, Medical Research Centers, and Nursing Homes
- Educational institutions: Schools, Colleges, Universities, and Research Institutes
- Government establishments: Municipal Corporations, City Councils, Government Offices, and Public Authorities
- Corporate and Industrial sectors: Offices, Factories, Manufacturing Units, and Commercial Complexes
- Community and Public spaces: Municipalities, Panchayats, Public Parks and Recreation Centers
- Events and Venues: Concerts, Festivals, Weddings, and Conference Centers

Our extensive experience and expertise enable us to cater to the unique waste management needs of these diverse sectors, ensuring efficient, sustainable, and reliable solutions for all.

We specialize in transforming organic waste into valuable resources such as compost, biogas, energy, and fuel

Company History:

Greenrich Groups was established in 2017 with a mission to lead sustainable waste management solutions for a waste-free world and enhancing lives

2017



Our commitment to creating a GO GREEN environment and combating global warming has driven our growth. To support our mission, Greenrich Groups operates through two specialized divisions are,

Greenrich Grow India Pvt Ltd

Greenrich Enviro Solutions Pvt Ltd

These divisions work collaboratively to provide cutting-edge waste management solutions that prioritize sustainability & environmental responsibility.

OUR VISION

We aspire to be India's leading waste management company, renowned for our commitment to environmental stewardship and excellence. Our vision includes:

Creating a Circular Economy: Viewing waste as a valuable resource.

Advancing Sustainable Practices: Integrating waste management into India's development agenda.

OUR MISSION

Our mission is to drive positive environmental change through innovative and sustainable waste management solutions. We focus on:

Minimizing Waste Generation: Promoting effective recycling and re-use practices.

Proper Waste Disposal: Ensuring public health protection and preservation of natural resources.

OUR TEAM

Our team of dedicated experts brings extensive experience in solid waste management. We are passionate about developing solutions that are both effective and environmentally responsible. By leveraging advanced technology and best practices, we focus on:

Minimizing Waste: Utilizing recycling and composting methods.

Maximizing Resource Recovery: Transforming waste into valuable resources.

Reducing Landfill Waste: Prioritizing sustainable waste management strategies.



Mr. Manoj Nair K
Director



Mr. Saravanaraj S
Director



Mr. Madhusudan K
Director

At Greenrich Group, we're dedicated to developing innovative waste management solutions that minimize environmental footprint and foster sustainable practices across diverse industries, contributing to a healthier planet for future generations.



Engineering Team

Our engineers are at the forefront of innovation, developing efficient and sustainable solutions for renewable energy and waste management. Their technical expertise ensures the delivery of high-quality projects.



Finance Experts

Our finance team ensures robust financial management and strategic planning, supporting our growth and sustainability initiatives.



Sales and Marketing Team

Our sales and marketing professionals are skilled in promoting our sustainable solutions and expanding our market reach through strategic campaigns.



Research & Development Team

Our R&D experts drive innovation through cutting-edge research and the development of new technologies to enhance our sustainable solutions.



Admin and HR Professionals

Our admin and HR teams foster a positive and productive work environment, ensuring our operations run smoothly and efficiently.



Service Team

Dedicated to customer satisfaction, our service team provides exceptional support and maintenance, ensuring the longevity and effectiveness of our solutions.





Our Solutions Include

Greenrich Grow India Pvt Ltd

Centralized and Decentralized Solutions for Wet Waste Management:

- **Home Composters, Community Composters, Institutional Composters and Bulk Digesters**
- **My Green Bot** - Roto In-vessel Non-Heating system
- **Organic Microbes** - Composting procedure and byproducts in composting
- **Garden & Leaf Composter** - Composting the garden waste
- **Liquid Microbes** - Greenrich microbes for garden waste composting.
- **Pre-composter , Shredders & Sievers** - For Wet Waste, Mixed waste, MSW Waste , Dry Waste and Mixed Waste.
- **Organic Waste Converter** - Rapid digestors with heating system.
- **Dry Waste Recycling: Material Recovery Facility (MRF)**
- **Manufacturing of Farm Products and Developing Soilless cultivation-Hydroponics**



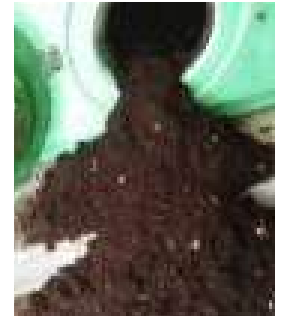
Greenrich Enviro Solutions Pvt Ltd

- **Waste to Energy Projects (My Green Energy)**
- **Wet waste Biogas/Electricity/Fuel (Big Belly)**
- **Mixed waste to Fuel Pellets (BOKOL)**
- **E Solar power**
- **Domestic Hazardous Waste Management: Naturemate Disposal Incinerator**
- **Electric Incinerator**
- **Fuel-less Incinerator**
- **Marketing of Farm Products, Plant Nutrition and Hydroponics**





The Organic Wet waste is sandwiched between layers of spongy Greenrich Microbes that can absorb moisture. It also absorbs stench producing obnoxious gases and provides free passage of air through the matrix for maintaining aerobic condition throughout the composting cycle. Waste disintegrates into uniform particles along with the Microbes into healthy nutrient rich organic fertilizer.



Benefits of MyGreenBin Composters

Economical, Hassle-free and Easy to Use. Patented FRP Composters with adequate Aeration for enhanced Composting. Completely safe, Natural Composting in 45 days. Avoids Landfill and Prevents Pollution. Odour-free & No Sludge. No Electrical or Mechanical energy. Minimal space Occupancy and can be installed in setback spaces / open spaces.

Byproducts of Composting

The liquid & solid manure during composting can be used to convert the agricultural land for organic farming and re-establish the Eco System.

The high microbial content of compost nourishes the Soil. The organic matter rich compost is used as a natural fertilizer in the agriculture sector as it has a positive effect on soil and the environment since it is rich with fiber and organic nutrients. Stable compost product has higher nutrient level compare to raw organic materials and does not produce metabolites that can interfere with the growth of plants.

This high nutrient compost improves soil fertility and is able to meet crop nutrient demand resulting in improved crop production. Overall, composting technology is one of the alternatives for sustainable solid waste management which reduces the amount of solid waste going to landfills by facilitating the recycling of waste organic materials to cultivate soil fertility.

Manure



Compost Tea





GRC 25 - 25 Ltr (PP)

- Ideal for home composting for family of 3 members
- One composter will digest 0.5kg of wet waste per day



GRC 50 - 50 Ltr (PP)

- Ideal for Home Composting for family of 4 to 7 members
- One Composter will digest 1 kg of wet waste per day



GRC 50 - 50 Ltr (FRP)

- Ideal for family of 4 to 7 members
- One Composter will digest 1 kg of wet waste per day



GRC 120 - 120Ltr

- Ideal for for family of 10 to 15 members.
- One composter will digest 3 kg of waste per day.



MGB 15

- Ideal for community composting in Apartments and Gated Communities Upto 15 Families.
- One composter will digest Upto 10 kg of wet waste per day.



MGB 20

- Ideal for community composting in Apartments and Gated Communities Upto 15 Families.
- One composter will digest Upto 10 kg of wet waste per day.

MGB 30

- Ideal for community composting in Apartments and Gated Communities Upto 15 Families.
- One composter will digest Upto 10 kg of wet waste per day.



MGB 40

- Ideal for community composting in Apartments and Gated communities Upto 60 - 80 Families
- One composter will digest Upto 40 kg of wet waste per day.

MGB 50

- Ideal for community composting in Apartments and Gated communities Upto 80-100 Families
- One composter will Digest Upto 50 kg of wet waste per day.





INSTITUTIONAL COMPOSTER



MGB 100

- Ideal for community & institutional composting Upto 160-200 Families
- One composter will Digest Upto 100 kg of wet waste per day.



BULK DIGESTORS

MGB 150



- Ideal for bulk composting Upto 250-300 families
- One composter will Digest Upto 150 kg of wet waste per day.

MGB 250

- Ideal for bulk composting Upto 400-500 Families
- One composter will Digest Upto 250 kg of wet waste per day.



MGB 1000



- Ideal for bulk waste composting in commercial and government establishments like Restaurants, Temples, Corporates, Gated Communities Upto 2000 Families, Panchayats, Municipalities and Municipal Corporations
- One composter will Digest Upto 1 TON of wet waste per day.

Garden and Leaf waste Compost

- Ideal for bulk waste composting in commercial and government establishments like Restaurants, Temples, Corporates, Gated Communities Upto 2000 Families, Panchayats, Municipalities and Municipal Corporations
- One composter will Digest Upto 1 TON of waste per day



Instructions for

WET / FOOD WASTE COMPOSTING

What to Compost

Vegetable Peels | Cooked Food |
Fruit Seeds | Egg Shells | Non-Veg Food |
Flowers | Garlands Fruit Peels | Tea bags |
Coffee grinds | Leaf plates |
Twigs Garden waste | Fallen leaves

Please Avoid

Sanitary Napkins | Disposable Diapers | Bandages |
Any material contaminated with blood | Glass | Wire |
Cloth | Fabric Leather Rubber | Thermocol | Plastic |
Metal | Paper | Wood | Rexine

E Waste - Hazardous waste

Tubelight | Bulbs | Batteries | Electronic waste | Paints |
Cleaning agents | Oil | Aerosol cans | Cosmetics |
Syringes Insecticides | Medicines | Thermometers

COMPOSTING PROCEDURE

- Spread 1cm layer of Greenrich Microbes at the bottom of the bin.
- Add 3 inches of waste to the bin.
- Spread Greenrich Microbes evenly on the top
- Add 3 inches of waste and Spread Greenrich Microbes again.
- Repeat the process till the bin fills up in approx. 30 days.
- Check & Drain the leachate every 3rd day from the tap provided in the bottom tank. The leachate can be used as a Bio Booster. It can be mixed with water in ratio 1:10 and used on plants.
- Leave the first bin closed for approx. 30 days to Compost, by covering it with a layer of microbes.
- Start the above process in Second bin.
- This way both the bins can be used alternatively and rich manure is collected.

REDUCE GLOBAL WARMING

PROCESS FLOW

**Organic Compostable
Food Service Ware**



GREENRICH

Greenrich Biobooster

- The Bio Booster acts as Pest Control / Insecticide
- Provides Plenty of nutrients for the plants that are easily absorbed straight through the plant roots.
- Provides an all-natural alternative to harsh chemical composts that cause harm to native plants, animals and human life.



Greenrich Organica



- The Organic Manure can be used as potting soil instead of conventional soil.
- Improves soil fertility, nutrient content, increases water retention, suppress plant diseases and boosts soil tilt.
- Increases agricultural yield that is healthier and more organic in nature.

Organic Aerobic Microbes

Greenrich Microbes is a Prime Composting Agent and it is mandatory to use them for effective composting. The Greenrich Microbes / Fungal Inoculum is an aerobic composting agent developed from Lignocellulolytic Organisms. The microbes aerobically convert the organic waste like Shredded Branches, Twigs, Banana Stems, Garden Waste, Flower Waste, Withered Leaves, Green Leaves, etc to a humus-like substance with a guaranteed reduction in waste upto 40%. The advantage is that no churning or rotation process is involved.

No ELECTRICAL or MECHANICAL energy needed, as it is a natural process. The wet waste is sandwiched between spongy matrixes, 'The Microbes' that can absorb moisture. The matrix also adsorbs stench and obnoxious gases and provides for the aerobic condition.

In this process, no Methane or any other Obnoxious gases are produced in the oxidizing environment. The conversion happens when the microbes / fungal inoculum feeds on the waste materials and forms Mycelium that helps in the breaking down and reduction process.

The byproducts, compost tea and nutritious organic manure have unique characteristics that can be used as biobooster and The high organic carbon content and biological activity of Mygreenbin compost is highly effective for applications such as erosion control and revegetation. Food waste, Fruit Waste, Non-Veg Waste,

Available Sizes: 5
Ltr, 10 ltr & 20 ltr
packaging.





SHREDDERS & SIEVERS



Organic Compost Screening Machine

Available Capacities:

- 100 - 150 kg/hr
- 200 - 450 kg/hr
- 500 - 750 kg/hr
- 750 - 1000 kg/hr



Available Capacities:

- 3 HP 250 kg/hr
- 5 HP 300 kg/hr
- 7.5 HP 500 kg/hr
- 10 HP 600 kg/hr



Organic Waste Shredder

Food Waste & Horticulture Waste

Available Capacities:

- 3 HP - 250 kg/hr
- 5 HP - 400 kg/hr
- 7.5 HP - 600 kg/hr
- 10 HP - 750 kg/hr

Garden Waste Shredder



**Anti Jammer System with
Reversible Mechanism
on over load**





Plastic Waste Shredder

All kinds of Plastic Waste

Available Capacities:

- 5 HP - 250 kg/hr
- 7.5 HP - 400 kg/hr
- 10 HP - 500 kg/hr
- 15 HP - 750 kg/hr
- 20 HP - 1000 kg/hr



Municipal Solid Waste Shredder

Food Waste, Plastic Waste, Horticulture / Garden Waste



Available Capacities:

- 5 HP - 300 kg/hr
- 7.5 HP - 500 kg/hr
- 10 HP - 750 kg/hr
- 15 HP - 850 kg/hr
- 20 HP - 1100 kg/hr

To avoid Hazardous Waste, Metal, Glasses, e-Waste etc
All the above Shredders can be Customized as per requirement

Precomposter

Precomposter speeds up the composting process and reduces the waste by 50% in the initial phase.

Organic Waste like Food Waste & Horticulture Waste can be Preprocessed in the Composter

Processing Capacity:

500 kg & 1 Ton Waste



Recycling makes a big difference to the World

My Green Bot

Fully Automatic Rapid Composting Solution for Organic Waste

GreenRich's - **MyGreenBot** - Organic Waste Composter is

- Easy-to-Use
- Non-Heating
- Decentralised waste management system
- Converts all kinds of organic waste into Rich Organic compost / manure

The COMPOST - Solid manure and Liquid manure generated is Soil Friendly, Nutrient Rich and can be used in Landscapes and Organic Cultivation. Compost Enriches Soil, helps retain moisture, suppress plant disease and reduces the need of chemical fertilizer.

This ROTARY INVESSEL COMPOSTER, an effective technological solution for the reduction of organic waste provides agitation, aeration, and mixing of the substrate to produce a consistent and uniform compost suitable for Organic farming.

The rotary drum composter, an effective technological solution for the reduction of organic waste provides agitation, aeration, and mixing of the substrate to produce a consistent and uniform compost suitable for agricultural use.

Benefits of MyGreenBot



Waste To Wealth



Highly Efficient



Noiseless



Natural Process



Automatic System



Space Efficient



Fully Automated Rapid Continuous Composting System with Combination of MyGreenBot & MyGreenBin for Compost Quality Enhancement

Available Capacities:
0.5 TPD to 5 TPD

Models:
GAC 500, GAC 1000,
GAC 1500, GAC 2000,
GAC 2500

*Customized sizes available



My Green Bot

1. My Green Bot: Advanced Fully Automatic Non-Heating Rapid Composting Solution
2. Greenbot Organic Waste Composter (OWC) – Heating Organic Waste Converter



Advanced Fully Automatic Non-Heating Rapid Composting Solution

Greenrich My Green Bot is a state-of-the-art fully NON HEATING automatic composting system designed for efficient and rapid transformation of organic waste into high-quality compost. Ideal for decentralized waste management, MyGreenBot offers a user-friendly, energy-efficient, and sustainable solution for handling organic waste.



Key Features of My Green Bot:

Fully Automatic Operation: Streamlines the composting process with minimal user intervention.

Non-Heating System: Energy-efficient design eliminates the need for additional heating.

Decentralized Waste Management: Perfect for a wide range of locations, reducing the need for centralized waste processing facilities.

Comprehensive Organic Waste Conversion: Effectively turns all types of organic waste into nutrient-rich compost and manure.

Benefits of My Green Bot:

Soil-Enriching Compost: Produces solid and liquid manure ideal for improving soil fertility, moisture retention, and plant health while reducing reliance on chemical fertilizers.

Cutting-Edge Composting Technology: Features a rotary in-vessel composter that provides efficient waste reduction through agitation, aeration, and mixing, producing uniform compost suitable for organic farming.

Hybrid Power System: Combines electrical and solar power for a rapid, continuous composting process, with solar panels powering 50-60% of operations.

Benefits of MyGreenBot



Waste To Wealth



Highly Efficient



Noiseless



Natural Process



Automatic System



Space Efficient

Fully Automated Rapid Continuous Composting System with Combination of MyGreenBot & MyGreenBin for Compost Quality Enhancement

Available Capacities:

- GAC 250 – 250 Kg/day
- GAC 500 – 500 Kg/day
- GAC 1000 – 1000 Kg/day
- GAC 2000 – 2000 Kg/day
- GAC 3000 – 3000 Kg/day

*Customized sizes available



Cost-Efficient and Eco-Friendly:

Automated Process: Ensures consistent and effective composting with low operational and maintenance costs.

Solar-Powered: Reduces overall energy consumption and operational costs through solar energy.

Self-Sustaining: Generates compost that offsets the system's cost through its production.



What to Compost

Acceptable Organic Waste: Vegetable Peels, Cooked Food, Fruit Seeds, Egg Shells, Non-Veg Food, Flowers, Garlands, Fruit Peels, Tea Bags, Coffee Grounds, Leaf Plates, Garden Waste, Fallen Leaves, Twigs.

What Not to Compost:

Avoid: Sanitary Napkins, Disposable Diapers, Bandages, Contaminated Materials, Glass, Wire, Cloth, Fabric, Leather, Rubber, Thermocol, Plastic, Metal, Paper, Wood, Rexene, Coconut Shells, Soil, Rocks.

How My Green Bot Works:

PLC Controlled Automation: Processes organic waste for a minimum of 6 days. Partially composted waste is then transferred to MyGreen-Bin for additional refinement.

Efficient Composting: Complete composting in 12 to 15 days, enhanced by Greenrich Microbes.

Space-Efficient Design: Requires minimal covered space, making it suitable for diverse environments.

Economical Operation: Low power consumption and maintenance costs.

Direct Use: Compost produced can be used directly for agricultural purposes.

Significant Waste Reduction: Decreases waste volume by 50 to 60%.

Additional Automation Features:

Shredder or Inbuilt Crusher: Available in various capacities (3 HP, 5 HP, 7.5 HP, and 10 HP) for effective waste processing.

Screw Conveyors

Sieving Machine



Ideal Applications for My Green Bot:

- Residential Apartments
- Gated Communities
- Restaurants & Cafeterias
- Places of Worship
- Banquets and Wedding Halls
- IT Parks
- Markets and Mandis
- Shopping Malls & Hotels
- Municipalities
- Hospitals
- Gram Panchayats
- Educational Institutions
- Fatories





2.GreenBot Organic Waste Composter (OWC)

The GreenBot OWC is the cutting-edge solution for converting organic waste into nutrient-rich compost. Designed for sustainability, it efficiently recycles kitchen scraps, yard waste, and more, reducing environmental impact.

Process Overview:

1. Waste Input: Waste enters through hoppers; PLC controls the process.
2. Heating: Heaters raise media oil temperature to 90°C.
3. Roasting & Crushing: Material is roasted and crushed intermittently.
4. Fermentation: First 3 hours focus on waste fermentation.
5. Evaporation & Degradation: Next 3 hours manage evaporation and degradation.
6. Drying: Final 2 hours dry the material.
7. Vapor Removal: Vapors are evacuated using a vacuum system.
8. Volume Reduction: Waste volume shrinks by up to 86%, with 5-7% moisture remaining.

Key Features:

- Advanced Composting: Accelerates organic waste decomposition with innovative technology.
- Temperature Control: Ensures optimal composting conditions with precise temperature and moisture management.
- Aeration System: Boosts microbial activity for faster composting.
- User-Friendly Interface: Easy controls and monitoring for hassle-free operation.
- Eco-Friendly: Reduces landfill waste, lowers emissions, and produces valuable compost.

High Efficiency:

Up to 80% Volume Reduction: Transforms waste into nutrient-rich compost, perfect for gardening and agriculture.

Benefits:

Sustainable Waste Management: Converts waste into compost, promoting eco-friendly practices.
Quick & Easy: Simple operation with minimal training, delivering compost in just 24 hours.



Capacities

GB 100: up to 100 kg/day
GB 250: 250 kg/day
GB 750: 750 kg/day
GB 1250: 1250 kg/day
GB 2500: 2500/day

Greenrich Solution for Material Recovery Facility (MRF)

Efficient Dry Waste Processing

Streamline dry waste operations with unparalleled accuracy

Greenrich offers cutting-edge solutions for Material Recovery Facilities (MRF) specializing in dry waste processing. Our advanced machinery and processes are designed to enhance efficiency, maximize recycling, and minimize environmental impact. Discover our comprehensive range of equipment for effective waste segregation, shredding, cleaning, and bailing.



Waste Segregation Conveyor:

Segregation Conveyor Systems: Efficiently sorts dry waste into categories such as PET bottles, tins, tetra packs, plastic, glass, metal, clothing, e-waste, rubber, thermocol, sanitary pads, and more.

Available Capacities: 3 meters, 5 meters, 10 meters, 20 meters.



Waste Shredding:

Plastic Waste Shredders: Processes various types of plastic waste, reducing it to manageable sizes for further handling.

Available Capacities: 5 HP – 250 kg/hr, 7.5 HP – 400 kg/hr, 10 HP – 500 kg/hr, 15 HP – 750 kg/hr, 20 HP – 1000 kg/hr



Waste Cleaning:

De-dusting Machines: Removes dust and contaminants from waste materials to ensure clean processing and improved recycling efficiency.



Waste Bailing:

Vertical Baling Machines: Compacts and bales dry waste materials such as soft packaging, cardboard, thermocol, bubble wrap, and plastic, reducing volume by 50-90%.

Available Capacities: 5 HP-50 kg/hr, 7.5 HP-100 kg/hr, 10 HP-200 kg/hr, 15 HP-400 kg/hr, 20 HP-500 kg/hr.



Trommel Screening:

Rotary Trommel Screens: Separates materials in solid waste processing, enhancing the efficiency of recycling operations.

Available Capacities: 5 Tons, 10 Tons, 20 Tons, 50 Tons, Up to 100 Tons.

Benefits of Greenrich MRF Equipment:

- Enhanced Efficiency: Streamlined processing from segregation to bailing.
- High Recycling Rates: Maximizes material recovery and reduces landfill waste.
- Eco-Friendly: Supports sustainable waste management practices.
- Customizable Solutions: Equipment tailored to specific waste processing needs.



Greenrich Plant Nutrient Products:

100% organic manure providing essential nutrients for plants.



Solid Fertilizer

- Grow More:** 100% organic manure.
- Organica:** Lightweight organic fertilizer.
- Bone Meal:** High phosphorus and calcium fertilizer.
- Cocopeat:** Renewable organic planting medium.
- Vermi Compost:** Enhances soil health.
- Organic NPK:** Improves soil structure.
- Bio DAP:** Organic fertilizer for plant growth.
- Bio Potash:** Prevents leaf chlorosis.
- Potting Mix:** Balanced mix for plant growth.
- Epsom Salt:** Provides essential magnesium and sulfur for plant growth and an alternate for synthetic fertilizers
- Mix Micronutrient:** Essential plant nutrients.
- CMS - Soil Conditioner:** Provides calcium, magnesium, sulfur.
- Soil-less Media:** Efficient for urban gardening.
- Neem Pellets:** Neem cake manure with pest control.
- Fertilizer Pellets:** Nutrient-rich organic pellets.



Liquid Fertilizer

- Aerobic Liquid Microbes:** Speeds up composting.
- Bio Booster:** Liquid plant growth enhancer.
- Bio Booster [Concentrate]:** Organic nutrient concentrate.
- Bio Booster [Ready to Use]:** Ready-to-use plant nutrient.
- Neem Oil:** Natural neem oil, dual-purpose.
- Panchakavya:** Liquid fertilizer, pesticide, insecticide.
- Fish Emulsion:** Quick-acting liquid fertilizer.
- Maggot Controller:** Organic maggot control.



Garden Accessories

- Grow Bag:** Portable planting solution.
- Drain Pot Mat:** Prevents waterlogging.
- Planter Box:** Durable FRP planter.



INCINERATOR

NATUREMATE
DISPOSAL INCINERATOR

Eco-friendly Domestic Hazardous Waste Incineration System

We offer two types of innovative incinerators to meet your waste management needs:

- Fuel-less Incinerator
- Neo-X electrical incinerator

The NatureMate Disposal Incinerator offers an eco-friendly solution for disposing of sanitary napkins, baby diapers, and household medical waste. It incinerates waste, reducing landfill burden and minimizing plastic pollution.

Disposal of used Sanitary Napkins, Baby Diapers, Household medical waste is a very common problem faced by women. They are either packed in plastic bags and dropped in dustbins or flushed into the drain which creates sanitation problems. The major issue affecting our country is the lack of appropriate hygienic disposal of HAZARDOUS WASTE.

1. NATUREMATE - ELECTRICAL INCINERATOR

A cutting-edge solution designed to provide high-performance waste disposal while adhering to stringent environmental and safety standards. This advanced incinerator is perfect for handling sanitary napkins and other waste materials efficiently and sustainably.

IDEAL FOR

- Sanitary napkins
- Baby diapers
- Household medical waste
- Masks and Gloves
- Cotton waste dressing and bandages

SUITABLE FOR

- Hospitals
- Residential – Apartments and Gated community
- Schools and colleges
- Women's hostel
- Movie Halls
- Hotels and Restaurants
- Corporate Offices and Factories
- Airports, Railways and Bus Stations
- Public and highway toilets
- Theme parks Waiting/rest rooms
- Shopping malls and complexes
- Petrol Bunks



Key Benefits:

High Performance and Efficiency:

Rapid Heating: Reaches a core temperature of 1200°C in just 90 seconds, ensuring complete and efficient incineration of waste.

Emission Reduction: Achieves over 98% reduction in emissions compared to current regulatory standards, promoting a cleaner environment.

Operational Capacity:

Sanitary Napkin Capacity: Processes approximately 60 sanitary napkins per run cycle.

Cycle Duration: Each cycle lasts 20 minutes, allowing for efficient waste processing.

Daily Capacity: Handles up to 1200 sanitary napkins per day with approximately 20 cycles.

Enhanced Safety Features:

Active Cooling System: The outer body remains cool and safe to touch during operation, ensuring user safety.

Magnetic Door Lock: Prevents access to the chamber during operation to avoid accidents.

Active Fire Shield: Provides additional protection, enhancing overall safety during use.

Compliance and Certification: CE compliant for electrical safety, adhering to CPCB, IPCC, and GHG Council regulations

MODELS

- GRI 05 - Capacity – 5 No's of Napkins PER CYCLE
- GRI 20 - Capacity – 20-25 No's of Napkins PER CYCLE
- GRI 50 - Capacity – 50-60 No's of Napkins PER CYCLE
- GRI 75 - Capacity – 70-80 No's of Napkins PER CYCLE

Specifications

- Power: 3.5 kW
- Voltage: 230V
- Frequency: 50Hz
- Dimensions: 835 x 635 x 1245 mm
- Weight: 250 kg

* Per cycle takes 45 minutes to 1 hour to destroy the hazardous waste.

2. NATUREMATE - FUELESS INCINERATOR

Overview: The Greenrich Neo-X Incinerator offers high-performance waste disposal, designed to meet strict environmental and safety standards. It's ideal for efficiently handling sanitary napkins and other waste.

Key Benefits:

Eco-Friendly: No fuel required

Cost-Effective: Lower initial & operational costs

Space Efficient: Minimal installation space

Maintenance-Free: Easy operation

Incineration Process

Waste Types: Organic materials, non-recyclable plastics

Reduction Rates: 90% volume, 80% mass

Environmental Impact: Lower than landfilling/autoclaving

Features

Fuel-Free Operation

Controlled Smoke Emission

Burns All Waste (Except Metals & Glass)

Fly Ash Utilization as Fertilizer

Additional Features

Air Pollution Control: Greenrich scrubbers

Regulatory Compliance: Pollution Control Board liaison

Stake Testing: Certified PCB Lab testing

MODELS

Non-Commercial Models

NMZ 15 / 15-20 Kg per hour

NMZ 30 / 25-35 Kg per hour

NMZ 50 / 45-55 Kg Per hour

Commercial Models without Scrubber

NMZ 60 / 60-70 Kg Per hour

NMZ 80 / 80-90 Kg Per hour

NMZ 100 / 100-120 Kg Per hour

NMZ 125 / 125-140 Kg Per hour

NMZ 150 / 150-170 Kg Per hour

Commercial Models with Scrubber

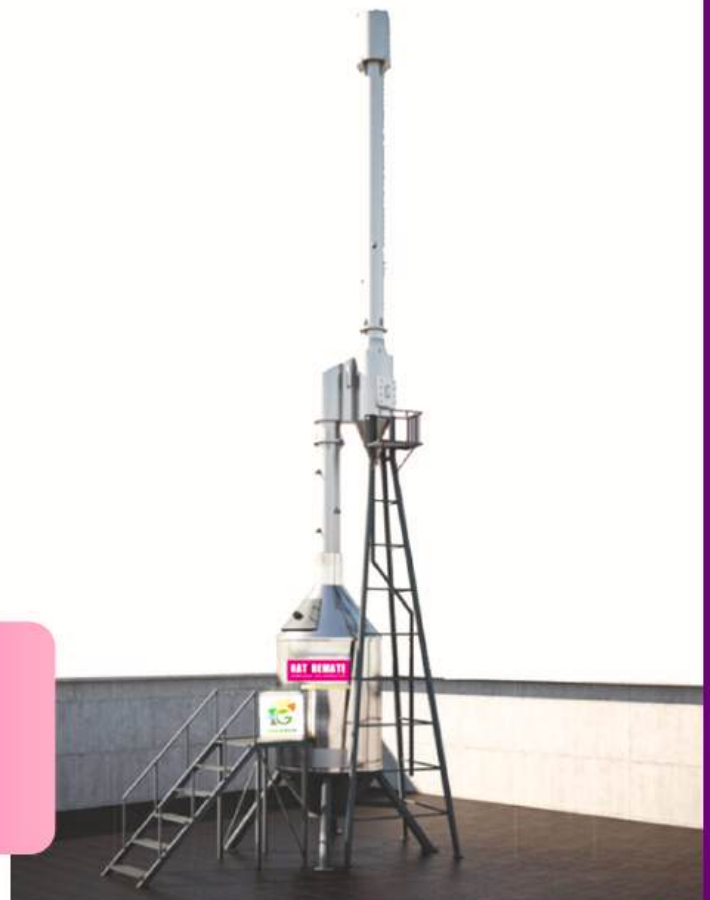
NMZ 60 ECS / 60-70 Kg Per hour

NMZ 80 ECS / 80-90 Kg Per hour

NMZ 100 ECS / 100-120 Kg Per hour

NMZ 125 ECS / 125-140 Kg Per hour

NMZ 150 ECS / 150-170 Kg Per hour



Greenrich Biofuel

From Mixed waste

In the recent decades the two Prominent issues Prevalent in the Society are

Disposal of Mixed Waste generated from the MSW. The Mixed waste when sent to Landfill creates Global Warming, Air and Water pollution. Every landfill ultimately develops leaks polluting the water table. MSW is toxic and Burning releases hazardous gases polluting the air. The government is spending huge amount of money in Biomining projects to dispose the Mixed Waste. Solid waste management issue is the biggest challenge to the authorities of both small and large cities. The plastics waste disposal is a major global environmental problem. **Disposal of these plastic wastes in landfill** is considered non-sustainable from the environmental point of view. The landfill sites and their capacities are decreasing rapidly. On the other hand, legislation is stringent worldwide.

Energy is a Burning issue in the coming years, and only by reducing dependency on fossil fuels can we mitigate these huge issues. There is a high dependency on fuel wood / Coal. **Mining coal is incredibly destructive to the environment.** Coal is a radioactive substance. **Burning coal in power plants emits CO₂ & SO₂**, which is a greenhouse gas and has an impact on climate change.



Why Biomass Briquettes?

GREENRICH offers solution for the recycling of Biomass or MSW to high-density briquettes and this is a potential solution to solid waste problems. The dependency on fossil fuel decreases thereby solving the energy requirements.

Briquetting is based on compacting the raw material to yield certain advantages

- High volumetric energy density
- Lower water content in the fuel and therefore greater storage stability (less biodegradation)
- Less dust produced when handling
- High homogeneity of the fuel

Biomass Briquettes are a biofuel substitute to coal, kerosene oil and charcoal. The Briquettes are cofired with coal in order to create the heat supplied to the Boiler/Furnace.

Greenrich solution for MSW management is technically practical, economically viable, socially and legally acceptable, and ecologically beneficial.

Greenrich technology is a waste-to-energy solution that diverts waste streams while making a carbon-neutral biofuel that is a clean, direct replacement for coal.

Greenrich Bioenergy Solution

- **GREENRICH BIOFUEL** is a solid biofuel that has significantly improved energy density, handling, and co-firing
- Characteristics as Compared to existing biomass fuels, making it mechanically and physically equivalent to coal.
- Additionally, bio-coal has several advantages over coal that translate into financial savings for cement companies. As a biomass-derived fuel, bio-coal is generally exempt from carbon taxes, and can qualify for carbon offsetting.

Key Features of the Greenrich Briquetting System

- Waste is recycled to solve environmental and renewal energy problems.
- Compared to other options, this technology offers higher economic feasibility and more efficiency in conversion of waste into renewable energy.
- By using the MSW to make Bio Briquettes, the output value matched is better than the agricultural biomass. The Briquettes from MSW with a calorific value of 4000 to 5000 Kcal is matched to that of output from coal.

Value Proposition

- The Biofuel can be used in places where the coal is widely used like
 - Furnaces
 - Propel Turbines for Electricity
 - Thermal Power Stations
 - Cement And Steel Factories
- Usage of Biofuel reduces the SO₂ and CO₂ emission.
- It adds value by turning waste into income.



Greenrich BIOGOLD

These Briquettes are very different from charcoal because they do not have large concentrations of carbonaceous substances and added materials. Compared to fossil fuels, the briquettes produce low net total greenhouse gas emissions because the materials used are already a part of the carbon cycle.

- The Calorific Value (GCV) of the Biofuel is above 3900+ KCal/Kg.
- Moisture content of a Briquette can be as low as 10-12%, whereas green firewood may be as high as 55%.
- Biocoal has high density around 1000 Kg/M & saves transport costs and space in storage.
- A very low moisture and ash content around 10% makes Briquette preferable solid fuel.

Benefits of Biomass Briquettes



Eco-Friendly



Highly Efficient



Less Ash



Easy to Transport



Reduced Carbon Footprint



Multiple Applications

With features of high combustion value, uniform size, Biofuel briquettes have wide range application in boiler, stove, power plants, factories and household heating, etc.

Greenrich Biofuel can be used in the following industries

- Cement Industry
- Steel Industry
- Oil Refineries
- Furnace Application
- Corporation Municipal
- Municipalities
- Panchayat



WASTE TO ENERGY

My Green Belly -Wet Waste to Biogas to Energy Solutions



Biogas Production:

Transform organic waste into valuable energy with our innovative biogas solutions. Biogas, produced from the decomposition of organic matter by anaerobic bacteria, is a clean and renewable energy source that can replace natural gas for various applications.

Composition: 60% methane and 40% CO₂, similar to natural gas (99% methane).

Renewable Energy Uses: Power Generation, Cooking Fuel, Bio CNG, Cold Storage, Combined Heat and Power (CHP), Direct Industrial Usage.

ADVANTAGES

Produce Power from Unused Biomass

Weather-resistant, tamper-proof and extremely durable Low operating cost-effective alternative to building a cold storage facility from scratch

APPLICATION AREAS

- Power generation
- Cooking Fuel
- Bio CNG
- Cold Storage
- Combined Heat and power
- Direct Industrial usage



Compact Biogas

Capacities

- 0.5 CUM
- 1 CUM
- 2 CUM
- 3 CUM
- 6 CUM



Biogas Plant AGR Technology

Capacities

- 300 Kg Per Day
- 500 Kg Per Day
- 750 Kg Per Day
- 1000 Kg Per Day
- 1300 Kg Per Day



Containerized Biogas Plant G Bioenergy

Capacities

- CBG 1000 - 1 TPD
- CBG 1500 - 1.5 TPD
- CBG 3000 - 3 TPD
- CBG 6000 - 6 TPD
- CBG 9000 - 9 TPD
- CBG 12000 - 12 TPD



Customized Biogas Plant:

Capacities

- 20 TPD
- 30 TPD
- 50 TPD
- 100 TPD
- 200 TPD

FLOATING DRUM BIOGAS PLANTS



Sustainable Energy Solutions for a Greener Tomorrow

Introduction:

Customized floating Drum biogas Plant is an innovative approach to harnessing renewable energy from organic waste. Our floating drum biogas plants offer a reliable, efficient and eco-friendly solution for managing waste and generating energy.

How it Works

Our floating drum biogas plants utilize anaerobic digestion to convert organic waste into biogas (CH₄ and CO₂). Floating Drum bio gas is a Fibre reinforced polymer (FRP). Digester is a civil work construction below ground.

The process:

1. Waste feeding
2. Anaerobic digestion
3. Biogas production
4. Gas storage in the floating drum
5. Energy generation (electricity/heat) / cooking fuel

Benefits

- Renewable energy source
- Waste management solution
- Reduced greenhouse gas emissions
- Low operating costs
- High energy efficiency
- Compact design, suitable for small-scale applications

Features

- Durable, corrosion-resistant materials
- Easy to install and maintain
- Flexible capacity (customizable)
- Integrated gas holder (floating drum)
- High-quality biogas production

Applications

- Agricultural waste management
- Municipal waste treatment
- Industrial wastewater treatment
- Rural energy supply
- Community-scale energy projects



Capacities

- 200 kg per day
- 500 kg per day
- 1 TPD per day
- 3 TPD per day
- 5 TPD per day
- Multiples of 5 TPD.





Go Green, Go Solar

Generate | Conserve | Contribute

Greenrich Enviro Solutions is committed to promoting sustainability by offering innovative solutions and exceptional service. We specialize in providing Solar Turnkey Renewable Energy Solutions, including Engineering, Procurement & Construction (EPC), Energy Purchase Agreements, Green Funding, Solar Plants, and Solar PV & Thermal System maintenance. Our team of experts ensures top-tier quality and service, catering to various building types from residential to commercial and industrial. We offer a range of products and accessories sourced from industry partners to deliver excellence and reliability in every project.

ABOUT US

At Greenrich Enviro Solutions, we champion a holistic approach to energy solutions, serving as a comprehensive one-stop destination for all your renewable environmental needs. Specializing in Waste Management Solutions, Waste to Energy Solutions, and environmental consultancy, we are committed to fostering a sustainable future for generations to come.

*Building a Sustainable Future
Together*

OUR RANGES

- Self Consumption
- Photovoltaic
- Energy Management
- Energy Efficient Lighting
- EV Mobility
- Energy Storage

 **10 Year workmanship Warranty**

 **25 Year Panel Performance Warranty**

 **10 Year Inverter Warranty**



Renewable Energy



Photovoltaics



Energy Management



Energy efficient lightings



EV Charging terminals



Energy Storage Solutions



mail_1@hotmail.com
mail_2@hotmail.com



+91 95000 90619
+91 95000 90679
+91 44 2378 1844



www.greenrich.global
www.mygreenbin.in



OUR PRODUCTS

- Solar Power generation units [On-grid & off-grid]
- Solar Energy Storage Solutions [Li-Fe-Po battery based]
- Solar Street Lights
- Power monitoring and usage of tracking
- Solar Fencing
- Energy efficient home lighting systems
- Smart IOT Kits
- Energy saving Kits
- Solar water heating systems

OUR GREEN ENERGY PRODUCTS

- Solar Modules ◦
- Solar Inverters ◦
- Solar Focus Lights ◦
- Hydropanels ◦
- Lithium Ion Battery ◦
- LED Street Lights ◦
- Pure Drinking water from Air ◦
- High Intensity Tower Lights ◦
- LED Tube Lights ◦

OUR OFFERINGS

- Customized Solution
- Guaranteed Savings
- Predictive Smart Solutions
- Maintenance & Re-assurance

Fostering a Love of Clean Energy!

My Green Energy is dedicated to playing its part in addressing climate change - and making provision of healthy environment a reality by delivering Green & Clean Energy. The Company currently extends its renewable energy expertise in the Solar, Wind, and Hydro Sectors.

GET IN TOUCH

Ready to embark on your journey towards sustainable energy solutions? Contact Greenrich Enviro Solutions today to learn more about our services and how we can help you achieve your sustainability goals. Let's work together towards a brighter tomorrow. Join us in our mission to embrace clean energy solutions and build a brighter, greener future for generations to come

GREENRICH ENVIRO SOLUTIONS PVT. LTD.
Specialising in Self-Sustainable Energy Solutions

#31 A, First Floor, Chockanathan Nagar, IInd Street, Maduravoyal, Chennai - 600095



My[®]
Green
Bin
LIVE CLEAN GO GREEN
Creating wealth from waste

OUR ESTEEMED CUSTOMERS



APARTMENTS



INSTITUTIONS



CLUBS & MALLS



OUR INSTALLATIONS



Government Organization



Thazhambur Panchayat



CPWD



Rameshwaram Railway Station



CMRL



Madikeri Municipality



Rajahmundry Municipalities

Corporates



Simpson & Co.Ltd @ Anna Salai



CAVINKARE PVT LTD



Newgen Knowledgeworks Pvt.Ltd.



THE PARK HOTEL @ Vizag



ADAYAR ANANDHA BHAVAN



BIG BAZAAR @Vizag

OUR INSTALLATIONS

Apartments



Besant Nagar



Ragamalika Apartment @ Mandaveli



Suraj & Chand Apartment @ Thiruvannamur



TVH Lumbini Square @ Purasaivakkam



Ramanyam Abbotsbury @ Alwarpet



Ramaniyam - The Lords @ Ekkattuthangal

Other Verticals



Iyyappan Temple, Mahalingapuram



Omandurar Government Estate, Chennai



Apollo Hospital, Perungudi



Custom Office, Faridabad



SANKARA EYE HOSPITAL @ Pammal



HOTEL SARAVANA BHAVAN



My
Green
Bin

LIVE CLEAN GO GREEN
Creating wealth from waste



GREENRICH



Our Product Logos



NATUREMATE
DISPOSAL INCINERATOR

Thanks You

We are ready to help you achieve a more sustainable agricultural future.

OUR NETWORK AT MAJOR CITIES

Delhi, Raipur, Pune, Goa, Mumbai, Navi Mumbai, Panvel, North Eastern States, Jodhpur, Indore, Jammu, Bhubaneswar, Chennai, Kovai, Trichy, Bangalore, Vizag, Cochin

Contact : 044 2378 1844 | 95000 90619 | 95000 90679 | 98404 75000

31A, First Floor, Chockanathan Nagar, 2nd Street, Maduravoyal, Chennai 600095
Phone : 044 2378 1844. www.mygreenbin.in | solutions@mygreenbin.in