



ABHAY ENGINEERS AND PROJECTS

"Transforming Waste Into Resources Through Innovation, Technology & Responsibility."





ABOUT US

Abhay Engineers & Projects is a leading manufacturer, exporter, and solution provider specializing in advanced waste management and environmental engineering technologies. With a clear mission to build a sustainable future, we design and deliver cutting-edge systems that convert waste into valuable resources while meeting the highest standards of efficiency, durability, and environmental compliance. Our in-house manufacturing facilities, skilled engineering team, and research-driven approach enable us to provide reliable, cost-effective, and eco-efficient systems for municipalities, industries, institutions, and environmental projects across India and worldwide. Government-authorized and quality-certified, we handle the complete lifecycle of waste management projects—including concept design, engineering, fabrication, installation, commissioning, and long-term operational support. Today, we stand as a trusted partner in sustainability, innovation, and responsible engineering.



[More Information](#)





Er. Amanjot Singh

INTRODUCTION TO THE CEO

M.Tech (Electronics) – PEC Chandigarh

Founder & CEO, Abhay Engineers & Projects

Mr. Amanjot Singh is a distinguished engineer and forward-thinking leader with 11+ years of experience in environmental technology and waste management systems. His journey is marked by innovation, passion for sustainability, and contributions to modern environmental engineering.

He has achieved several significant milestones:

- Established Punjab's first e-waste recycling plant, located at Focal Point, Raikot (Ludhiana), under the name of **SPRECO RECYCLING**
- Specializes in designing and manufacturing a wide range of waste-management machinery, serving municipalities and industrial sectors across India.
- Actively manages municipal solid waste operations in multiple cities, including Raikot, Jagraon, and Machhiwara Sahib.

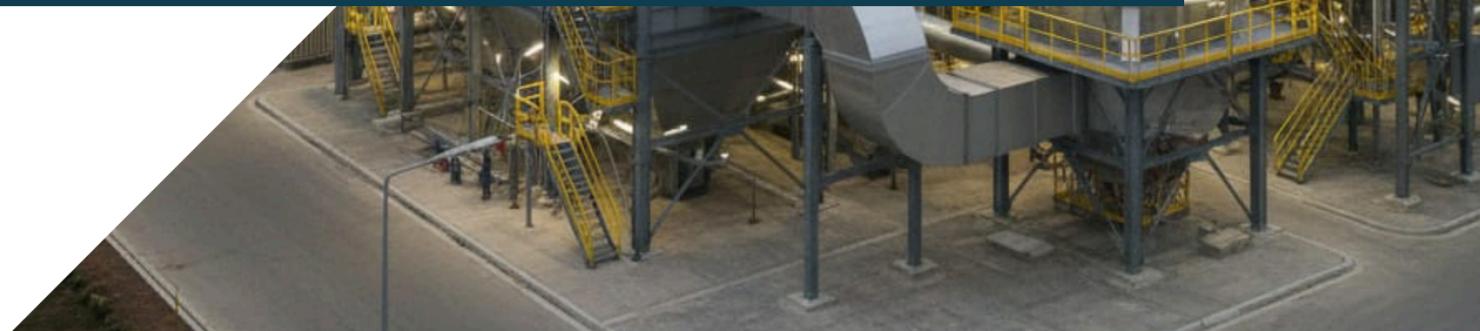
Under his leadership, Abhay Engineers & Projects has grown into a trusted environmental solutions company known for quality, transparency, and engineering excellence.



OUR HISTORY

Established in [Year], Abhay Engineers & Projects began as an engineering and fabrication company with a vision to revolutionize waste management through technology and innovation. Over the years, the company expanded its expertise into:

- Municipal Solid Waste Management
- Sewage and Effluent Treatment
- Industrial Recycling Systems
- E-Waste Processing Technology
- Air Pollution Control Systems
- Bio-Mining and Environmental Restoration



Major Projects

Abhay Engineers & Projects has executed numerous government and private-sector projects, including:



Each project is delivered with precision engineering, quality assurance, and long-term service support.

OUR PRODUCTS



BIO COMPSTING MACHINE

Bio Composter Machines convert organic waste into nutrient-rich compost through controlled microbial decomposition. Designed for institutions, hotels, municipalities, and industries, these machines ensure odorless, hygienic, and fast composting with low operating cost and minimal manpower.



MSW MANAGEMENT MACHINERIES

MSW Segregation Systems separate mixed municipal waste into recyclable, non-recyclable, biodegradable, and inert fractions. Using conveyors, trommels, blowers, and magnetic separators, these systems improve waste recovery efficiency and reduce landfill burden.



EFFLUENT TREATMENT PLANT (ETP)

Effluent Treatment Plants remove toxic chemicals, oils, colors, and contaminants from industrial wastewater. Designed for industries like textiles, food processing, pharmaceuticals, and manufacturing, our ETPs ensure safe discharge and pollution-free operations.

OUR PRODUCTS



SEWAGE TREATMENT PLANT (STP)

STPs treat domestic and municipal wastewater through biological and mechanical processes. Our STPs deliver clean, reusable water suitable for gardening, flushing, and industrial applications—ensuring full compliance with environmental standards.



OIL & GREASE TRAP SYSTEM

Oil & Grease Traps separate fats, oils, and grease (FOG) from kitchen wastewater, preventing pipeline choking and protecting downstream treatment systems. Ideal for hotels, restaurants, and food industries, these units are durable, efficient, and easy to maintain.



AIR POLLUTION CONTROL DEVICES

These systems reduce harmful emissions from industries using scrubbers, cyclones, bag filters, and dust collectors. Designed to meet CPCB norms, our units protect air quality and enable industries to operate sustainably.

OUR PRODUCTS



VEHICLE DISPOSAL PLANTS AND SYSTEMS

Vehicle Disposal Systems safely dismantle old or scrap vehicles. They recover reusable metal, plastic, and rubber components while ensuring environmental safety, proper depollution, and easy material recovery.



INDUSTRIAL SHREDDERS AND CRUSHERS

Industrial Shredders & Crushers reduce the size of solid waste materials like plastics, wood, metal scrap, and municipal waste. They prepare materials for recycling and minimize disposal volume, offering high torque and heavy-duty performance.



BIO REMEDIATION AND BIO MINING EQUIPMENT

Trommels are rotary screening machines used for size-based separation of municipal waste, compost, and legacy waste. Their heavy-duty construction ensures continuous operation, efficient screening, and reduced manual labor.



OUR PRODUCTS

ELECTRONIC WASTE RECYCLING PLANTS AND MACHINES

E-waste Plants handle dismantling, separating, shredding, and safe disposal of electronic waste. These systems help recover valuable metals while ensuring safe handling of hazardous components, meeting global compliance norms.

OUR VISION

01.

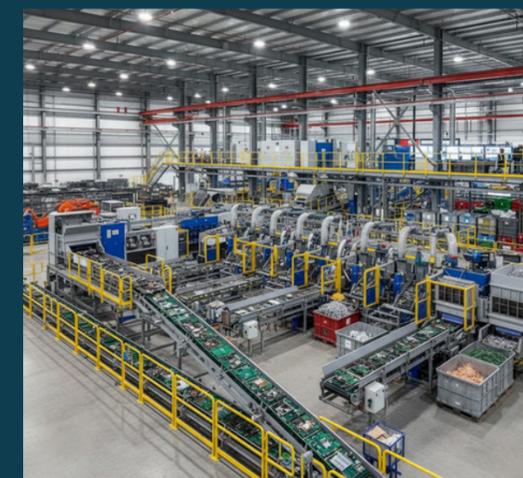
To become a global leader in sustainable waste management solutions. To deliver reliable, efficient, and environmentally responsible technologies.

02.

To promote cleaner cities, industries, and ecosystems through advanced engineering.

03.

To enable industries and municipalities to achieve compliance, sustainability, and zero-waste goals.



SALES & MARKET PRESENCE

ABHAY ENGINEERS & PROJECTS SUPPLIES
MACHINERY AND TURNKEY SOLUTIONS ACROSS:

All major
Indian states

Municipal
councils and
corporations

Industrial
manufacturing
units

Environmental
engineering
consultants

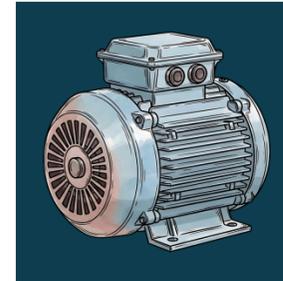
Our commitment to timely delivery, technical support, and customer satisfaction makes us a preferred choice in the environmental engineering sector.



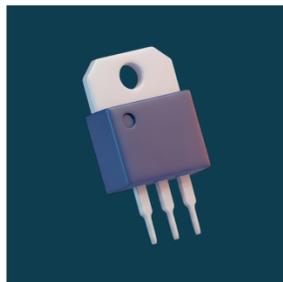
ABOUT THE MATERIALS WE USE



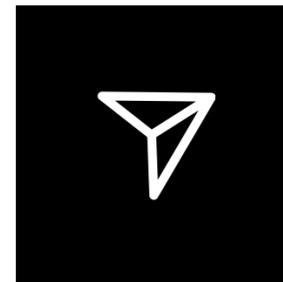
- High-quality Mild Steel (MS) & Stainless Steel (SS)



- Corrosion-resistant alloys
- High-performance motors, gearboxes & bearings



- Industrial-grade electrical components
- Protective anti-corrosive coatings & powder coatings



- Heavy-duty structural frames for long operational life



CONTACT US

Abhay Engineers & Projects
Engineering Sustainable Solutions for a Better
Tomorrow



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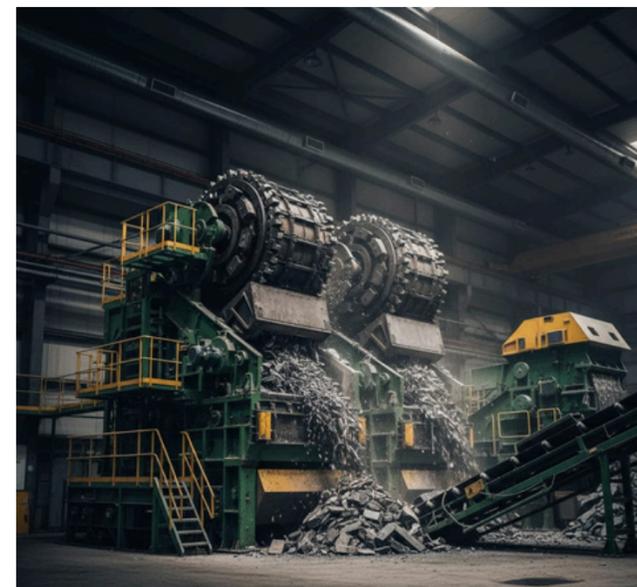
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DESIGNED AND DEVELOPED
BY GROVISION