



Ramky Enviro Engineers Ltd.



For a **better** world



Towards sustainable growth

Ramky Enviro Engineers Ltd.

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Ramky Enviro Engineers Ltd.



We are Ramky.

With a commitment to make this planet greener and healthier, fifteen years ago we set out on a mission to conserve natural resources, help industries responsibly dispose off waste and create infrastructure that will help people live cleaner, greener and healthier lives. With a goal that looks beyond generating wealth and value for stakeholders, our objective is to contribute towards the environment we live in. This mission is ably headed by professionals with vast experience, dedication, state-of-the-art technology and best practices to conserve nature and create a world that future generations will value. With operations in many parts of the globe, Ramky is committed to reduction in our environmental footprint.



CHAIRMAN'S MESSAGE

A decade and a half ago Ramky pioneered the fields of industrial, biomedical and municipal waste management in India. Today we are acknowledged leaders - having set standards which we continuously strive to improve upon. Managing over 60 facilities in waste management and with another 50 projects in the pipeline, Ramky is proud of working towards realizing its social responsibilities to the community and establishing the principle of sustainable development.

The vision for the future is even bigger. Ramky is looking beyond waste treatment and disposal to offer a more comprehensive solution in the form of Integrated Environmental Services. We provide a one-stop solution for issues related to Environment Management for Industries, Industrial Estates, Airports, Seaports, Large Townships and Commercial Establishments. Ramky is now the industry leader in waste recycling and resource recovery projects involving energy from waste opportunities.

With the experience gained in the Indian market, we strive to be a global player in the Waste and Environment Management business. Our office in UAE anchors our growth into the Middle East and Africa Region while the office in Singapore pilots our expansion into Greater China and the Asia-Pacific Region.

Ramky's goal is much beyond generating wealth and value for stakeholders; rather, it has the noble objective of contributing towards the environment we are living in. We value the opportunity of serving society through our business model and dream of a society where development does not come at the cost of environment. We are pro-actively working towards a cleaner and greener world through our services. Using the latest technology available, our team of committed professionals have been consistently meeting our goals over the past decade, which will only get better in the future.

Ramky's success is the result of the enormous contribution from each and every individual associated with the company, our partners in business, Governments and Regulatory Bodies. I greatly value the contribution from each in this mission of engineering an enriching environment.

The Company has set its sight high, with aggressive growth plans, strategic partnerships, appropriate technologies and committed resources to emerge as a global leader in its chosen areas of activity. We welcome all our potential partners to be a part of this challenging journey.



Alla Ayodhya Rami Reddy
Chairman, Ramky Group





THE RAMKY GROUP

Ramky Group is a professional organization focused in the areas of civil, environmental and waste management infrastructure. With a corporate office at Hyderabad and regional offices located at Delhi, Mumbai, Ahmedabad, Bangalore, Chennai and Kolkata and over 60 project offices, Ramky today has a pan-India presence. To expand its service base, Ramky has opened its offices in UAE, Singapore USA, Peru, Nigeria, Egypt, Jordan, Thailand, China, Indonesia and Gabon. The Group has had a rapid growth over the last 15 years and is now a USD 1.50 billion conglomerate with a project execution pipeline of USD 4 billion in value. The Group employs over 3000 persons of which about 800 are technical. All companies of the Group are professionally managed. The Group has equity participation from reputed national and international institutions.

GROUP COMPANIES

Ramky Infrastructure Ltd.

Ramky Enviro Engineers Ltd.

Ramky Estates and Farms Ltd.

Ramky Life Sciences Ltd.

Ramky Finance & Investments Ltd.

Ramky Foundation



Landmark Achievements

- Pioneers in environmental and waste management
- Developer of large number of BOO / BOT projects
- Amongst the fastest growing infrastructure companies in India
- India's first Integrated Hazardous Waste Management facility
- India's first Biomedical Waste facility
- India's first Integrated Municipal Solid Waste facility
- Setting up and operation of waste management facilities outside India





RAMKY ENVIRO ENGINEERS LTD.

Ramky has the credit and distinction of establishing India's first Integrated Common Hazardous Waste Management, Biomedical Waste Management and Integrated Municipal Waste Management facilities. From this base, the Company has implemented many projects in Waste Management that are considered benchmarks of perfection by the industry. Ramky is India's first company to set up waste management facilities abroad having set up a hazardous waste management facility in Oman and is in the process of setting up a facility in Vietnam.

Ramky's facilities are spread over almost all the states in India and in UAE, Singapore, Saudi Arabia and Vietnam.

An organization committed to Corporate Social Responsibility, Ramky has signed itself into an unshakable contract with the future. A future of waste recycling, recovery, reuse and setting up of waste to energy facilities globally.



Divisions

- Hazardous Waste
- Municipal Waste
- Biomedical Waste
- Integrated Environmental Services
- Waste Water Treatment & Recycling
- E-waste
- Integrated Waste Recycling
- Renewables
- R&D and Consulting
- International Operations





HAZARDOUS WASTE MANAGEMENT

Ramky set up India's first integrated industrial hazardous waste management facility at Hyderabad. Today, with 12 operational facilities, the Company handles in excess of a million tonnes of hazardous waste annually.

The hazardous waste facilities of Ramky are in line with international guidelines – they sport double composite liner landfills with leachate collection arrangement following USEPA's RCRA Subtitle C requirements for landfills. Waste received at these facilities is disposed off by three modes – direct land filling, stabilization of waste followed by land filling or by direct scientific landfilling. All these facilities are in compliance with the rules and guidelines laid down by the Central Pollution Control Board and the Ministry of Environment and Forests, New Delhi.

Ramky operates hazardous waste incinerators at Taloja, Hyderabad, Haldia, Vizag, Indore and Chennai. These facilities are on par with the world's best practice.



Hazardous Waste Facilities

- Hyderabad Waste Management Project, Hyderabad, AP
- Mumbai Waste Management Ltd., Taloja, Maharashtra
- West Bengal Waste Management Limited, Haldia, WB
- Tamil Nadu Waste Management Limited, Gummidipoondi, Tamil Nadu
- Coastal Waste Management Project, Visakhapatnam, AP
- Karnataka Waste Management Project, Bengaluru, Karnataka
- Madhya Pradesh Waste Management Project, Pithampur, MP
- Rajasthan Waste Management Project, Udaipur, Rajasthan
- Uttar Pradesh Waste Management Project, Kanpur Dehat, UP
- Orissa Waste Management Project, Jajpur, Orissa
- Punjab Waste Management Project, Nimbua, Punjab
- Balotra Waste Management Project, Balotra, Rajasthan





MUNICIPAL SOLID WASTE MANAGEMENT

Urban India is beset with serious municipal solid waste problems with about 200,000 TPD of MSW being generated in its urban areas. Scientific handling and disposal of this waste is a huge challenge. Ramky has taken the lead in providing competitive and technically reliable solutions to the problem. Ramky provides a complete range of municipal waste management services on a 'cradle-to-grave' approach.

Services offered:

- Primary Collection – Door-to-Door Collection
- Waste Bulking and Transfer – Secondary Collection & Transportation
- Mechanized Street Sweeping
- Transfer Station Management
- Composting
- Biomethanation
- Waste to Energy conversion
- Engineered Secured Landfills & Capping
- Materials Recycling and Reclamation
- Land Remediation Services
- Climate Change CDM Projects



Projects:

- **Processing & Disposal**
Bengaluru, Belgaum, Shimoga, Kottayam, Coimbatore, Pimpri
- **Collection & Transportation**
Aurangabad, Ajmer, Arah, Bhagalpur, Cuttack, Gaya, Faridabad, Mumbai, New Delhi, Delhi Street Sweeping Project, New Town (Kolkata), Salt Lake (Kolkata), Chennai
- **Integrated Waste Management Facilities**
Hyderabad, Delhi, Haldia, Guwahati, Koyambedu (Chennai)
- **EPC**
Kohima, Imphal, Jabalpur, Kozhikode, Srinagar, Nasik, Agra
- **Waste to Energy**
1000 TPD - Bengaluru, 500 TPD - Pimpri, Guwahati
1000 TPD - Hyderabad, 1200 TPD - Delhi



BIOMEDICAL WASTE MANAGEMENT

Ramky was the first private sector player to establish a Biomedical Waste Management facility in Hyderabad. More facilities were soon set up by the Company in other states of India. Today Ramky handles waste from over 12,000 health care establishments covering about 175,000 beds.

The main modes of biomedical waste destruction that Ramky employs are (i) Sterilization using autoclaves (ii) Incineration of a part of the waste received. Waste is collected 365 days a year from hospitals and taken to assigned Waste Management facilities where it is adequately and safely destroyed. All facilities comply with statutory regulations. They are provided with air pollution control devices. Needles are sterilized and destroyed.

The facilities operate in partnership with SembCorp Environmental Management Ltd., Singapore.

Facilities

- Door-to-door Collection
- Transportation
- Biomedical Incinerator
- Autoclave
- Scrubbers for Stack Emission Control
- Shredding facility
- Secured Landfill facility
- Effluent Treatment Plant

Locations

- Ahmedabad, Gujarat
- Haldia, West Bengal
- Navi Mumbai, Maharashtra
- Howrah, West Bengal
- Madurai, Tamil Nadu
- Ghaziabad, Uttar Pradesh
- Mangalore, Karnataka
- Chennai, Tamil Nadu
- Kalyani, West Bengal
- Bengaluru, Karnataka
- Hyderabad, Andhra Pradesh
- Salem, Tamil Nadu
- Durgapur, West Bengal
- Ludhiana, Punjab





INTEGRATED ENVIRONMENT SERVICES

All services that would benefit the industry, industrial estates /parks, commercial establishments, seaports/ airports for their environmental and waste management needs are provided by Ramky under Integrated Environment Services (IES). This concept goes beyond the traditional focus on pollution control to incorporate a broader range of pollution management, cleaner technologies, resource conservation, renewable sources of energy etc.

Ramky's Integrated Environment Services include those provided to design, establish, measure, prevent, limit, minimise or correct environmental damage to water, air, noise, soil as well as problems related with waste management and eco-systems.

The Corporate Governance Philosophy as well as the Corporate Responsibility Code enunciated by Central Pollution Control Board, Govt Of India calls for self regulation by the industry and also the developers of industrial parks/ special economic zones to comply with all the statutory environmental requirements. Hence, in the present scenario, the development of integrated environmental services and environmental infrastructure has become a highly specialized task. Ramky addressed this need, leaving companies to concentrate on their core business.

Services Offered :

- **Integrated Waste Management**
 - Hazardous Waste Management
 - Non-Hazardous Waste Management
 - Land Filling
 - Municipal Waste Management
 - Biomedical Waste Management
 - ETP / CETP / STP
 - E-waste Management
- **Recycling & Reclamation**
 - Used Lead Acid Battery Recycling
 - E-waste Recycling
 - Used and Waste Oil Recycling
 - Paper Recycling
 - Metal Recycling
 - Solvent Recycling
- **Emergency Pollution Control Services**
- **Decontamination of Site**
- **Environmental Consultancy**
- **Environmental Monitoring**
- **R&D and Laboratory Services**
- **ISO 14001, OHSAS 18001 Consultancy**
- **EHS Audits**
- **Conservancy Services & Facility Management**
- **Total Water Management including Zero Discharge**
- **Regulatory / Legal Compliance Assistance**

WASTE WATER TREATMENT AND RECYCLING

Ramky, a pioneer in the water business segment has acknowledged the importance of water in the prosperity of a nation and come up with several reliable and complete water management solutions.

The Company has significant in-house skills and experience in Water supply, Waste water treatment, Underground drainage systems and related areas. Ramky currently has a significant market share in this segment and has a major share of water related projects tendered by the Government and Quasi-Government bodies.

Ramky has a number of operational plants in water and waste water treatment. The Company has capabilities in membrane technology (MBR / UF / RO), high TDS effluent evaporation, as well as in sea water desalination.

Ramky has now embarked on a mobile water business where a fleet of mobile water treatment equipment is always available. This fleet can produce pure water as and when and where it is needed. This can meet requirements arising out of seasonal or supplemental requirements, emergencies, delays in plant start-ups etc.



Services Offered :

Turnkey projects in :

- ETPs / CETPs
- Water Treatment Plants
- Zero Liquid Discharge Plants
- Desalination Plants
- Mobile Water supply
- O&M services for above





E-WASTE MANAGEMENT

Ramky E-Waste Management was set up for the purpose of safe and environment-friendly handling of e-waste. This project provides the entire gamut of E-waste management services to potential clients. The first facility was set up at Hardware Park, Maheshwaram, Hyderabad. Another facility is being set up at KIADB Industrial Area, Dobbaspeta, Bengaluru. Ramky E-waste Management facilities will be completely incorporating all requirements for collecting, receiving, shredding, separating plastic and metals (ferrous, non-ferrous and precious) as well as recovering precious metals and refining of the same in India .

Highlights of our services

- Fully integrated E-Waste management
- World class security
- Certified, Safe and Secured destruction services
- Downstream Accountability
- Logistics, warehousing facility



INTEGRATED WASTE RECYCLING

Ramky proposes to set up integrated waste recycling hubs in various parts of the Country to recycle :

- Waste Paper
- Waste / Used Oil
- Solvents
- Waste Plastic
- Lead Acid Batteries
- Non-Ferrous Metals

The waste recycling hubs are initially being set up at Hyderabad, Taloja, Kanpur and Haldia.

RENEWABLES

The Company has completed evaluation and is at an advanced stage of setting up facilities in the areas of:

- Biodiesel
- Plastic Waste to Fuel
- Solar Energy
- Wind Energy



RESEARCH & DEVELOPMENT AND CONSULTING SERVICES

Ramky-Consultancy offers specialized consultancy services with a high degree of professionalism in the fields of Environment Impact Assessment, Management & Monitoring services to various industries, industrial estates and parks, central and state government bodies.

The team has a highly resourceful and creative strength to provide progressive services with greater cost-effective and efficient engineering solutions. Ramky is accredited by the National Accreditation Board for Testing and Calibration Laboratories (NABL) as per ISO/IEC 17025-1999, has MoEF Accreditation under EPA act 1986, and is also recognized by most of the State Pollution Control Boards.

Services Offered:

- Preparation of Rapid / Comprehensive Environmental & Social Impact Assessment Reports, Disaster Management Plans, Risk Assessment Studies as per MoEF & World Bank Guidelines, Rehabilitation and Resettlement Studies as per the R&R policy of the Government of India.
- Reconnaissance Survey, Feasibility & Pre-feasibility Studies
- Remote Sensing & GIS Mapping involving Digitization, Geo-referencing Land Use, Land Cover, Drainage Network & Base Map Preparation
- Environmental Regulatory Compliances like Environmental Clearance, Consent for Establishment and Consent for Operation from competent authorities like Ministry of Environment & Forests and State Pollution Control Boards, for varied Industrial Sectors
- Audits: Third Party Environmental Audits, EMS Adequacy Preparation, Energy Audits, Due Diligence & Site Assessment Studies
- Preparation of Detailed Project Reports for Municipal Solid Waste Management, Sewer System, Pumping Stations' Designs, Drawings and Schemes for the ETPs and STPs, Storm Water & Rain Water Harvesting Systems
- Project Management Consultancy Services for Integrated Infrastructural facilities for SEZs, Industrial Parks, ETP / STPs, etc. and also Preparation of Infrastructural Rehabilitation Plan
- Geo-technical Investigations, Topographical and Hydro-geological Studies





INTERNATIONAL OPERATIONS

Ramky's global operations started with the establishment of offices in the MENA (Middle East & North Africa) region in UAE and Asia-Pacific Region in Singapore and currently operate from USA, Peru, Nigeria, Egypt, Jordan, Thailand, China, Indonesia and Gabon.

MENA Region

Projects that have been established in the MENA region through Joint Ventures are:

Al Ahlia Environmental Services LLC - a JV company formed between Khimji Ramdas LLC and Ramky Enviro Engineers Limited, established in the Sultanate of Oman in 2008. This company has a mandate to develop hazardous, biomedical, municipal waste management projects on BOOT / DBOOT route and also provide EPC services on waste management. It has developed a hazardous waste management facility in the Al Batinah region of Oman for the Muscat Municipality.

Ramky ATCO Environmental Services Arabia LLC - a JV company between Ramky Enviro Engineers Limited and the ATCO Group, established in 2009 in the Kingdom of Saudi Arabia. This company has a mandate for establishing integrated waste management facilities and other waste management projects in the Kingdom of Saudi Arabia.

Asia-Pacific Region

Ramky has set up an office in Singapore with plans of developing business in the Asia-Pacific region.

Singapore-based Cleantech, a leading provider of integrated commercial services acquired by Ramky in 2009. This acquisition involved the transfer of assets and business contracts of Cleantech. With this, the businesses of conservancy cleaning, commercial cleaning, and car park management are also being handled by Ramky Cleantech that provides service to reputed institutions including the Changi Airport, National University of Singapore, Botanical Gardens etc.

RVAC Pte Ltd. Singapore was established to offer specialized mobile waste management services for high rise buildings. It is one of the few companies in Singapore to provide integrated waste collection based on the mobile singmatic system where vacuum suction is used for collection of waste thrown down chutes in high rise buildings.



RAMKY FOUNDATION

Ramky Foundation is a trust with the vision to assist the needy by improving the quality and availability of essential resources, enhancing the quality of life and protecting the environment. It is entrusted with the responsibility of fulfilling the Corporate Social Responsibility of Ramky Group. Its mission is to create model villages to showcase the success of people-driven integrated rural development measures addressing social, financial and environmental aspects.

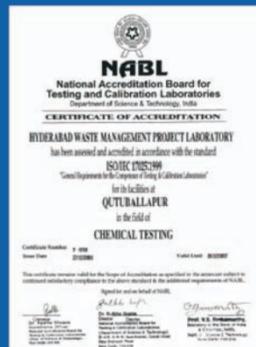
Ramky Foundation has been taking up projects in villages neighbouring its project sites. Its initiatives include taking care of the educational needs of the children, conducting health camps, and creating women self-help groups. It also focuses on environmental conservation projects so as to achieve tangible and relevant progress in remote areas. Many villages have been adopted and various activities taken up.

Projects:

- Healthy Environs – Medical and Health Camps
- Coir Yarn Production Training
- Sewing Centers
- Financial Aid to Schools and Needy Students
- Awareness Programs on Education, Food Habits & Health
- Green Earth Initiatives
- Plantation Programs
- Tribal Development Fund Programs



AWARDS & RECOGNITIONS



- Best Company of the year
- Market leadership in industrial waste management
- Vertical market penetration into Bio-medical waste management

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RAMKY GROUP PROJECT LOCATIONS

