The Market leader...

V.V. Mineral (V.V.M), the flagship company of the V.V. Group is an India based mineral exploration and mining company specializing in the extraction and production of heavy minerals. V.V.M is the world’s largest exporter of Garnet and is the biggest exporter of heavy minerals in India.

VV Group
determining what’s possible!

The V.V. Group is a Rs. 10 Billion strong Indian business conglomerate with diversified business interests ranging from Mining and Industrial Chemicals to forays in paints, textiles, sugar and cement. The Group has its headquarters at Tissayanvilai, Tirunelveli District, in the South Indian state of Tamil Nadu.

A family owned business enterprise, the V.V. Group is credited with a professional, industry leading acumen and is known for its fresh and innovative approach to business. It is backed with a philosophy of solid integrity and futuristic ideology and is ably guided by the venerable Mr. S.Vaikundarajan, The Chairman & Managing Director of the Group.

VV Group has built a reputation for outstanding quality, world class operational efficiency and constantly exceeding the expectations of every stakeholder in its business, be it the customer, supplier or the local community. No wonder then, the Group enjoys tremendous growth, optimal asset value, a devoted supplier network and long standing relationships with its customers in all its businesses.
VV Mineral
India’s largest producer of heavy minerals

VV Mineral (V.V.M) is an India-based mineral exploration and mining company, specializing in the extraction and production of garnet and other heavy minerals like Ilmenite, Zircon, Rutile and Sillimanite. V.V.M is the world’s largest manufacturer of Garnet and is the biggest exporter of heavy minerals in India.

Behind V.V.M’s singular success is a keen focus on world-class processes and rigid quality control systems. V.V.M is an IMS certified company. An integrated management system (IMS) combines all related components of the business – Quality (QMS), Environmental (EMS), and Safety (OHSAS) management systems into one system for easier management and operations. This ensures consistently high-quality standards from mining and processing right through to the end user.

It’s no surprise then that within a short span of two decades, V.V.M has made its mark in stringent global markets of Europe, Middle East, South East Asia, Australia and USA.

V.V.M is the only company in India with a 15 kilometre stretch of beach area under an exclusive mining lease for 30 years which can be extended. Our beach from the Gulf of Mannar is a highly valuable zone for continuous deposition of heavy minerals. This gives us a unique advantage ensuring not just a continuous supply of placer minerals but also consistent quality.

Leading the way!

From its humble beginnings in 1989, V.V Mineral has come a long way over the years growing to become the largest heavy mineral mining company in the country. The reasons for the continued success of V.V.M lies in a potent management strength, technology expertise and unrelenting focus on customer satisfaction.
V.V. Mineral boasts of excellent research and development facilities spread across its locations to spearhead process development, process improvements and quality control in order to meet stringent international standards and customer specifications. There are two separate divisions in our R&D section - Wet processing and Dry processing. R&D is also responsible for the flow sheet and process upgradation.

V.V. Mineral is powered by a team of 4500 committed technical, managerial, skilled and non-skilled employees across India.

V.V. Mineral has its own engineering division, which takes care of the following functions - plants construction, maintenance, design, fabrication and all other engineering functions.

From a single plant facility in 1989 V.V. Mineral has grown to multiple production facilities along the coastlines of Tamil Nadu and Andhra Pradesh.

Eight Pre-concentration Plants (PCP) and eight Mineral Separation Plants (MSP) enable us to meet the demand for our range of products. The combination of PCPs as well as MSPs and packaging plants enables VVM to control the entire production process, from extraction to converting it into user-ready abrasives of the highest quality. Our PCPs units are strategically located in close proximity to mines. An additional 3600 hectares of minerals-rich land takes our total annual output to 800,000Mt of Heavy Minerals including Garnet, Ilmenite, Rutile, Zircon and Sillimanite.

An advanced and extensive logistics infrastructure for transportation and distribution of ours produced to large warehouses and ports across South India are in place. It includes a dedicated fleet of earthmovers and transport vehicles and 9 warehouses with an area capacity of 4,40,000 sqft. where half a million metric tonnes can be stored.

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Our Products

India - A mineral rich land...

India has the largest mineral sand resources in the world accounting for more than 50 percent of available resources. 278 million tonnes of the 460 million tonnes of the world’s known reserves are found in India.

Super Garnet

Super Garnet is a non-metallic, naturally occurring mineral abrasive mined from the beaches of the Gulf of Mannar. The grains have a unique curved cubical form. During mining and processing there is no grinding or breaking down of particles. Hence super garnet is the hardest, purest, virgin, fresh water washed with no trace of chloride content, almandine garnet belonging to the gem family.

We provide various grades of Garnets for diverse applications. The non-contaminated, low dusting, high abrasiveness and excellent water softening features have made Super Garnet the preferred mineral abrasives in the fields of water filtration, sand blasting and water jet cutting.

Ilmenite

Ilmenite is a placer mineral found only in some parts of the world. It is essential for many industries ranging from utilities, pigments to steel. V.V. Mineral is the first private company in India to export Ilmenite. The largest worldwide use of Ilmenite is in Titanium Dioxide – TiO2 which has a wide array of strategic applications. They appear in various shapes and sizes but are generally square shaped and tubular in form. The corners are rounded or flattened but are mostly euhedral to subhedral in nature. The mineral is available in various grades suitable for specific applications.

Opazr Zircon Sand

This glassy mineral has found its place in many industrial applications worldwide, starting from ceramics and refractory tiles to a range of high-tech applications such as armour plating on military aircraft, heat shield in space shuttles and potentially as solid oxide fuel cells in hydrogen powered vehicles as well as a number of chemical applications.

Zircon compounds have very low toxicity and are not perceived as a potential environmental hazard. They are even said to have some medicinal properties and are increasingly preferred in the manufacture of certain food products.

PuRutile Sand

Rutile is the common natural form of TiO2. Rutile has among the highest refractive indices of any known minerals and also exhibits high dispersion. The main uses for Rutile is the manufacture of Welding Electrode, Titanium Metal, Pigment and Iron Sponge.

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Sillimanite

Sillimanite is an Aluminium Silicate with a chemical composition of Al2O3. SiO2. It is an important mineral in view of its special refractory properties. It displays high mechanical strength, low thermal expansion, good resistance to spalling, thermal shock and chemical corrosion.
Quality Control

Philosophy

At V.V. Mineral, quality is a deep commitment; while product and process excellence is seen as a route to enduring customer satisfaction. An IMS certified company which includes (9001:2008, 14001:2007, 18001:2007). Our lab equipments are calibrated with International standards.

Quality Control

Our Scientific Integrated Quality Control System accords all the Ilmenite products a 4 level quality control. Automatic online multilevel sample collection is done by well trained analysts in state of the art independent laboratories. The laboratories, both at the plant and the warehouse, are fully equipped for quality and sieve analysis as per IS standards.

Site Lab

First level quality control happens by way of sampling at the factory, every hour. These samples are analysed at the Site Lab to ensure international standard specifications are met with. The product is shipped to the central warehouse only after stringent QC approvals are done.

Site Lab

The Central Lab takes batch samples from each shipment to ensure consistency. A composite of the weekly production of each factory is sent to M/s Ultra Trace Labs, Australia to ensure our equipment calibration. The Central lab then verifies for consistency among the Lab, Ultra Trace and SGS samples both pre and post shipment. The sample feedback is routed to the Quality Control System for further re-calibration and implementation.

The result - very high accuracy and conformity records right from our first consignment assuring maximum purity to all our customers. Every Shipment comes with a guaranteed Quality Certification from our Central Lab.
Environment & Employee Welfare

Equitable Employment

V.V. Group has ongoing initiatives to develop and improve local community livelihood across South India, especially in the area of equal employment opportunity for men and women, focusing exclusively on poor and backward societies.

Staff welfare

As an enterprise dedicated to developing natural resources for improving human lives, we deeply understand social responsibility and the impetus to conserve. Hence going back to the society and nature is a crucial philosophy at V.V. Group. Sustainable development activities by the company reflect our commitment to the areas of health, safety, environment and community (HSE&C).

Environment Protection

V.V. Group deeply committed to conserving the environment and takes several initiatives to create a sustainable eco-system. V.V. Group replaces the soil extracted from the mining site once the heavy minerals have been extracted. Care is taken to ensure that a particular area is not repeatedly mined - in fact plantations are grown in this area.
Achievements & Recognitions

- Certificate of Export Recognition from the Indian Chamber of Commerce and Industry, Tuticorin.
- Export Award from Indian Chamber of Commerce and Industry.
- Five MADITSSIA - Visveswarayya Award for the best organization and industry in Southern District of Tamilnadu, India.
- EPCES - MEPZ - Best Exporter Award - 3 years.

V.V. Mineral's continued quest for excellence has consistently garnered recognition across National councils and industry chambers. An IMS certified company which includes (9001:2008, 14001:2007, 18001:2007), various national and international awards have come its way. V.V. Mineral has been the winner of CIPENGL, Chemical & Allied Products Export Promotion Council award for excellence for the last 18 years.

The company is also the proud recipient of the coveted ‘National Productivity Award’ from the National Productivity Council, New Delhi.

Other awards include the ‘Excellence Award’ from Department of Industries and Commerce for the years of 1990 - 1991, 1993 - 94.

V.V. Group (V.V.Mineral) is making a strategic commitment to long term business initiatives such as expanding value creation opportunities, creating sustainable advantages, and leveraging core competencies in its industry domain.

The company has set in motion a dynamic future road map for greater growth and repute in its chosen business areas with a view to becoming one of the leaders of the industry.

As of now, V.V. Mineral has activated plans to implement modern management systems with a view to improve production planning and efficiency at all its major production and processing locations. This involves plant audits across various quality and production parameters.

The company also aims to increase the outputs of production facilities with the help of seasoned internal and external experts. As part of this, a major operation is currently underway involving complete automation of all plants, as well as skill upgradation of the work force.

The company is seeking to double the current production capacities dramatically to meet the global demand in the next 5 years. V.V. Mineral is also exploring the possibility of developing and commissioning minerals separation plants with the combined capacity of all factories for quicker and even more efficient delivery to national and international customers.

The company is also investing in expansion of mining areas for future growth in many states across India and other countries. On the terms, V.V. Mineral is planning an entry into downstream products for various end user applications as well as the expansion of its products portfolio. Of high interest are high tech / high value products like strontium oxide, synthetic rutile, titanium sponge and so on. The company hopes to contribute to development in science, technology and power sector in India.

Future Vision
India has the largest mineral sand resources in the world. Its reserves are found in India. 278 million tons of the 460 million tons of the world's known reserves are found in India. East, South East Asia, Australia and USA.

Behind VVM's singular success is a keen focus on world-class processes and rigid quality control systems. VVM is an IWS certified company. An integrated management system (IMS) combines all related components of this business - Quality (QMS), Environmental (EMS), and Safety (OHS) management systems into one system for easier management and operations. This ensures consistently high quality standards from mining and processing right through to the end user. It's no surprise then that within a short span of two decades, VVM has made its mark in stringent global markets of Europe, Middle East, South East Asia, Australia and USA.

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