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The Market leader...

V.V. Mineral (V.V.M), the flagship company of the V.V. Group is an India based mineral







Transworld Garnet

Infrastructure







India Pvt. Ltd

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 Tisaiyanvilai, 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.

Textiles

E

Apollo Textiles

Shri Sanghvi Spinning Mills Pvt. Ltd.

V.V. 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 Titanium Pigments Pvt. Ltd.



Ishwarya Azoics Limited



VV Marine

DSS Dhanalakshmi Srinivasan Sugars



Charitable Institutions



VV College of Engineering



VV Charitable Trust







Vijay Cements



VV Mineral

India's largest producer of heavy minerals

V.V. 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 continuous supply of placer minerals but also consistent quality.





we saw the world in every grain of sand

Leading the way!

V.V Mineral has come a long way

Infrastructure

Production

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 V.V.M to control the entire production process, from extraction to converting it into user ready abrasive 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

People

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

Logistics

An advanced and extensive logistics infrastructure for transportation and distribution of ore 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.

Research & Development

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.

Engineering Division

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.





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 form 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, genuine, 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-contamination, low dusting, high abrasiveness and excellent water softening features have made Super Garnet the preferred mineral abrasive 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 now 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.

Sillimanite

Sillimanite is an Aluminium Silicate with a chemical composition of A1203. 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.

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 Scientic 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.











The Central 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 Protection

Care is taken to ensure that a particular

Environment

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.

& Employee Welfare

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 giving 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 (HSEC).





Achievements & Recognitions

- 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 CAPEXIL (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.

- Certificate of Excellence for Traffic Performance from Tuticorin Port Trust during the years of 1993 -94, 1995 - 96 and for the consecutive three years of 2009 - 2012.
- 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.



Future Vision

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 zirconium oxide, synthetic rutile, titanium sponge and so on. The company hopes to contribute to development in science, technology and power sector in India.



V.V. Mineral (VVM) 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. VVM is the world's largest manufacturer of Garnet and is the biggest exporter of heavy minerals in India.

Behind VVM's singular success is a keen focus on world-class processes and rigid quality control systems. VVM is an IMS certified company. An integrated management system (IMS) combines all related components of the 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.

VVM 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 continuous supply of placer minerals but also consistent quality.

A Mineral Rich Land

India has the largest mineral sand resources in the world. 278 million tons of the 460 million tons of the worlds known reserves are found in India.



Capexil Top / Special Export Award

VVM has been awarded "Special Export Award" from the Government of India (Ministry of Commerce), CAPEXIL (Chemicals & Allied Products Export Promotion Council) consecutively for the past 23 years from 1990-91 to 2012-13.

National Productivity Award

For the achievement of the highest productivity and quality - VVM has got "National Productivity Award" from the National Productivity Council – New Delhi –presented by the President of India during the year 2000.

Best Exporter Award from EPCES – Govt. of India

VVM has got Best Exporter Award from EPCES (Export Promotion Council for EOUs & SEZs) Ministry of Commerce & Industry, Govt. of India for the highest volume of export in EOU for the years 2008-09, 2009-10 and 2010-11.

Strong Infrastructure

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 abrasive 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 and Sillimanite

Impeccable quality Control

At VVM we place utmost emphasis on quality. We have in place stringent multi level quality control systems. We routinely test our raw materials and finished products at each of our manufacturing facilities. We have an automatic online multi-level sample collection system in place. Product samples from each plant are sent to our world-class laboratory, where more specialized and extensive testing is performed by our quality team to monitor for product consistency and compliance with internal and industry standards. The results of each test are analyzed with expert analysts and help ensure that we maintain product quality and consistency.

At VVM, we are committed to producing highest quality products while ensuring a minimal impact on the environment. Scientific and eco-friendly methods are adopted which include manual mining in beaches and mechanized mining in inland areas.

Super Garnet

Garnet is a semi-precious stone whose natural properties make it the most efficient abrasive for many industrial applications. VV Mineral produces Super Garnet which is a non-metallic naturally obtainable mineral abrasive mined from our beaches. Having been struck by the force of the waves over hundreds of years, the grains have a unique curved cubical form that is advantageous in cutting.

Super Garnet - our prime product offering reflects our quality standards and is compliant to ISO 11126-10 Standards. With its unique qualities and natural value as a semi-precious stone, Super Garnet has earned the title "Gem of an Abrasive".

What makes Super Garnet Unique?

Our expertise ensures Super Garnet is washed with fresh water, multiple times to attain the product with absolutely no chlorides and free from suspended solids or dusts. Also during mining and processing there is no grinding or breaking of particles. That's what makes Super Garnet a genuine virgin almandine garnet belonging to the gem family.

Super Garnet's natural crystalline shape endows it with fast cutting action and longer life span. No wonder then that it is a highly efficient and effective abrasive.

Super garnet is hard, clean, competitively priced and available in various mesh sizes suitable for a variety of industrial applications.

> The large mineral rich land stretches are situated along the mineral sand rich coasts of South India spread over 4,000 hectares. The natural resources from the beaches of Gulf of Mannar are expected to be available for a minimum of 75 years, with new placer deposits getting replenished continuously.