Paint and Coatings Manufacturing Industry.

Project Opportunities in Paint Manufacturing Sector.

List of Profitable Business Ideas for Production of Paints, Pigments, Enamels, Varnishes, Solvents, Thinners, NC Thinner, Decorative, Domestic, Automotive, Textured & Industrial Paints, Wall Coatings, Primer, Protective Coatings, Wood Primer, Fillers, Undercoats, Putty, Epoxy Paints, Paint Additives
Introduction

Paints and coatings industry is divided into two sub-sectors namely, industrial and architectural. Architectural coatings include both interior and exterior paints, varnishes, primers, stains, and sealers, and their demand is primarily depended on the growth and performance of the construction sector. Industrial coatings includes coil coatings, automotive paints, refinishers, furniture finishing, and road making paints, and their demand is linked to the growth and performance of the industrial equipment sectors, automotive industry, and appliance industries.
The India paints and coatings market has been segmented on the basis of application into architecture & decorative (interior and exterior), industrial wood coatings, general industrial coatings, automotive OEM, automotive refinish, marine coatings (hull and yacht), consumer durables, packaging coatings, mirror coatings, and others. Based on the technology employed, the market has been segmented into powder coatings, water-borne coatings, solvent-borne coatings, and others. The different types of protective coatings include waterproof, floor/roof, heat resistant, anti-reflective, coil and other coatings.
Large scale urbanisation and developments in construction sector are the key drivers for the high growth in the decorative paints segment. Significant changes have also been witnessed in the marketing of paints and coatings. The decorative paint market witnesses peak demand during the festive months, September to December. Growth in the manufacturing sectors, primarily automotive and consumer durables, have contributed to the growth in the coatings segment. Per capita consumption of paints in India is around 2.5 kg.

Paints and coatings industry is broadly classified into Decorative Paints, Industrial Coatings. The paints and coatings sector is fairly organised and the organised sector accounts for roughly 65% of the total market.
There are about 2,500 small scale manufacturing units in the unorganized sector that primarily focus on decorative paint segment as it requires low technical know-how. Industrial paints segment is technology intensive and largely comprises of organized players.

The market size of the Indian paints sector has been pegged at Rs 170 bn in value terms and is very fragmented. The per capita consumption of paints in India stands at 0.5 kg per annum as compared to 1.6 kgs in China and 22 kgs in the developed economies. India's share in the world paint market is just 0.6%.

The unorganised sector controls around 35% of the paint market, with the organised sector accounting for the balance. In the unorganised segment, there are about 2,000 units having small and medium sized paints manufacturing plants.
Demand for paints comes from two broad categories:

**Decoratives**: Major segments in decoratives include exterior wall paints, interior wall paints, wood finishes and enamel and ancillary products such as primers, putties etc.

Decorative paints account for over 75% of the overall paint market in India. Demand for decorative paints arises from household painting, architectural and other display purposes. Demand in the festive season (September-December) is significant, as compared to other periods. This segment is price sensitive and is a higher margin business as compared to industrial segment.
Industrial: Three main segments of the industrial sector include automotive coatings, powder coatings and protective coatings. User industries for industrial paints include automobiles engineering and consumer durables. The industrial paints segment is far more technology intensive than the decorative segment.

The paints sector is raw material intensive, with over 300 raw materials (30% petro-based derivatives) involved in the manufacturing process. Since most of the raw materials are petroleum based, the industry benefits from softening crude prices.
### Paints and Varnishes

**Demand: Past and Future**

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<tr>
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<td>4347</td>
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<td>2024-25</td>
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The Indian paint market is expected to reach Rs.70, 875 crore by 2019-20 from around Rs.40, 300 crore in 2014-15, the paint industry's apex body projected on Friday. High growth was witnessed for Exterior and Interior emulsions in the decorative paints category and Auto refinish and Powder coatings in the industrial paints category.

Moreover, the growth in the Indian paint market is driven by rapid urbanization, emergence of the middle class, increase in disposable incomes, growing infrastructure, increase in the tendency to spend extravagantly and growing young population inclined towards leading a lavish lifestyle.
Paint Industry in India - Market Size

Paints Industry India – Market Size

INR bn

<table>
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<th>Value</th>
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<tr>
<td>2013</td>
<td>a1</td>
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<tr>
<td>2014e</td>
<td>a2</td>
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<tr>
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<td>a3</td>
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<td>a5</td>
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The shift from solvent-based to water-based paints is a trend now being followed in the paints industry. Also, the rising preference for the water based paints has raised the demand and penetration of the emulsion paints all across the country, especially in Western part of India, with more people captivated by it and making it a fashion statement. Thus, the various types and sub-segments such as plastic emulsions, textured emulsions, synthetic enamels, acrylic distempers, etc. of decorative paints have been analyzed to understand the market size and future potential.
In the recent years, interior and exterior paints have administered high growth due to the increasing awareness among people regarding the benefits of these variants. Although large share in the paint market is conquered by the interior paints, the exterior paints benefits such as anti-dirt pick up, its property to be water-repellent and long durability are leading to popularity of exterior paints market in the Indian paint industry too.

India Paints & Coatings market is expected to cross USD11 billion by 2026, growing at a CAGR of more than 12.87% during 2017-26, owing to the broad array of applications such as construction, automotive, chemicals and many other industrial sectors.
Strong growth in the paints & coatings industry of the country is attributed to the growing demand from infrastructure industry. Additionally, the innovative technological developments, upgraded production processes and growing preference for green raw materials would further escalate the India Paints & Coatings market over the coming years.

In India, the decorative coatings market accounts for about 71% while industrial coatings account for the remaining 29%. Both the segments have been showing robust growth in the last few years. The demand in tier II and tier III cities is also growing and, in fact, is growing at a faster rate than the tier I cities.
There is a shift towards the use of organic pigments in premium paints with heavy metal pigments being phased out. Companies that adapt to this trend could see growth in the coatings market in India. Low household consumption of paints in India, compared to other developing regions, offers high growth potential of the market.

Over the past years, the Indian paints and coatings industry has substantially grown and caught the attention of many international players. The country is expected to witness a higher economic growth in the future leading to a larger market size for paint and coating industry. Other emerging countries in Asia-Pacific region are also witnessing this growth as these places are backed by higher disposable income, exponentially growing population, improving infrastructure and huge investments in infrastructure.
The Indian paints & coatings market is highly organized with about 70% of market domination by organized player. With improvements in standard of living and growth in awareness about paints and coating, the Indian consumers have become more conscious about how the house interior and exterior looks. They have shifted the focus from regular paints and distempers to enamel and premium paints. This change has driven demand for premium paints in the market. The Indian market recorded a tremendous growth of 45% in last five years.
Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on Required Project

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Here are few Projects for Startup:

- **THINNERS**

Solvents or thinners are used in paints and lacquers to reduce the viscosity of the material and facilitate uniform coating. The main consuming industries for thinners and solvents are the paints and varnish industries. There is a huge consumption of paints and varnishes in the domestic as well as export market. [Read more](#)
MOTOR COIL INSULATING VARNISH

Motor Coil insulating varnish is one of the most useful varnish which is used largely for the coating over the armature coils. Motor Coil insulating varnises, are made by using specific natural resin. Melamine resins etc. with specific solvent or, different solvent mix. Read more
POWDER COATING PAINTS

Most metals are found in nature in combined form from other elements such as Oxygen, Sulfur etc. by adding energy during the processing of these metallic ores, the metal is raised from the nature state to the more metallic state. In this condition, the metal however prefer to return to the more stable form in which it was found in nature. Read more
Solvent system for lacquers are generally referred to as lacquer thinner because they are a mixture of true or active solvents, latent or consolvent and diluents. True or active solvents, or liquid which dissolve nitrocellulose and are usually esters, ketones and other alcohols. Read more
POLYESTER PUTTY FOR CARS

It is used for pre-coating on the car body. It is generally made by using polyester resin di-carboxylic acid, dihydroxy alcohols, linseed oil etc. It is a viscous paste product. It is toxic in inhalation. Benzyl peroxide, used in preparation of car putty is a toxic chemical, with the increase demand in automobile industry. Read more
DRY DISTEMPER

Production of dry distempers paints and other allied products in the year 1997-98 being 3,59,000 tonnes in large scale sector, 1,92,000 tonnes in small scale sector total being 5,51,000 tonnes with the wide field of application, its demands is on a high crest and its prospects are also very bright. Read more
ACRYLIC EMULSION PAINTS

Paints and coating materials normally consist of a physical mixture of binders, pigments, extenders, additives and solvents. Depending on the method of application and area of use, the solids content. The technologically most important component is the binder (or binder mixture). Read more
OIL BASED PAINT

Paint is a substance of solid colouring matter suspended in a liquid medium and applied as a coating of various types of surfaces. The purpose of the coating may be decorative, protective or functional. Decorative effects may be produced by colour, glass or texture Protective coatings may be the paint on a wooden boat. Read more
INDUSTRIAL PAINTS

The paints industry in India has been growing at the rate of around 12% a year. The paints market has crossed the Rs 135 bn mark. By volume, the market is estimated at 1.4 mn tonne which is growing at an average annual growth of over 6 to 8% (against 12% by value). Read more
WATER-BASED LACQUERS

Water-based lacquers are wood finishing lacquers which are less toxic and more environmentally friendly. Lacquer is considered by many to be one of the best all-around finishes for wood & other substrate. Today, lacquer refers to any finishing product that dries primarily by solvent evaporation. Read more
➢ HIGH TEMPERATURE THINNER

Thinner is the solvent and thinner used with all types of lacquer including nitrocellulose, CAB-acrylic and catalyzed. It’s the most interesting of the finish solvents because it’s composed of half a dozen or so individual solvents. Manufacturers vary these to control solvent strength and evaporation rate. Read more
INSULATING VARNISH

The primary function of a varnish is to protect and or decorate the surface to which it is applied. An important use of varnishes is in electric insulation where protection against electrical streams is the primary requirement. Such varnishes are termed as Insulating Varnishes. Read more
PEELABLE COATING FOR CONSTRUCTION AND AUTOMOBILE INDUSTRY

The construction industry is successfully implementing use of peelable coating. The liquid peelable coating is applied by spray or roller and protects windows in transit, during fitting, resisting mortar and plaster overspray and scratching. It is an easy to apply, strippable coating to protect substrates from scratching and marring during polishing, handling and storage. Read more
Plastics are used in virtually all sectors of industry, from the manufacture of mobile phones to automotive engineering. Most plastics are now coated for protection against weathering, attack by solvents and scratching, as well as for decorative reasons. Read more
WALL PUTTY

Wall Putty is white cement & mineral based putty for use on cement concrete - mortar interior/exterior walls for smoother & stronger adhesion and best suited to minimize paint cost and extend its durability. It is white cement based fine powder which provides an ideal finishing for concrete/cement plastered walls and ceiling. Read more
PAINT ADDITIVES (ANTI SETTLINS, DISPERSING AND THICKNING AGENTS)

The term additives denotes auxiliary products that, even in small concentrations, significantly improve technological properties of paints or coating films. They are classified according to their effects. Nowadays additives are already taken into consideration when a new paint formulation is created, they form an essential constituents of the coating. Read more
Any successful project—from constructing a building to painting one—starts with a solid foundation. That’s what paint primer offers: a solid foundation. A good primer will do a number of things: promote adhesion, enhance the hiding power of the top coat and in some instances, prevent stains or odours from making their way back to surface. Read more
SOLVENT AND THINNERS

A solvent is a liquid which disperses a solid or semi-solid substance so as to yield a useful solution. Such a liquid is termed simply diluents. Thinner is a hydrocarbon or oleo resinous solvent. Turpentine is used as a thinner for resin and oil coating. It has been replaced by petroleum naphthas and varnish makers and painters naphthas. Read more
EPOXY RESIN

Epoxy Resin is made up of raw material like Diphenyl-Propane (DPP) and Epichlorohydrin (ECH). It is used in surface coatings, as laminates, as adhesives etc. It is also used for different industrial and domestic purpose due to its high electrical insulation property, chemical resistance to acids, alkalies etc. Read more
PAINT INDUSTRY

The paint industry's current growth rate is encouraging but there is an urgent need to pay heed to the management of input costs besides enlarging rural markets and venturing into newer segments for expansion. Of course, there should also be increased focus on innovation and customer service. Read more
NC THINNER

N.C.THINNER is nitro cellulose thinner. It is mixture of esters, glycol, alcohol, aromatic solvents and ketones suitable diluents to all nitro product, it is manufactured for reducing lacquers before they are applied by different methods. Mainly used for solvent based nitro product. [Read more]
INFRARED REFLECTED (IR) PAINT

The sun energy reaches Earth as UV, visible and infrared radiation. The last one is largely responsible for heat build-up. © Solar radiation, visible radiation, near infrared (NIR) radiation, very short wavelength infrared (VSWIR) radiation etc. Read more
IRON OXIDE

Iron oxide and oxide-hydroxide are widespread in nature, play an important role in many geological and biological processes, and are widely utilized by humans, e.g., as iron ores, pigments and catalysts in thermite. Common rust is a form of iron (III) oxide. Iron oxides are widely used as inexpensive, durable, pigments in paints, coatings and colored concretes. Read more
SYNTHETIC RED IRON OXIDE

Iron oxides are chemical compounds composed of iron and oxygen. Altogether, there are sixteen known iron oxides and oxyhydroxides. Iron oxides are widely used as inexpensive, durable pigments in paints, coatings and colored concretes. Colors commonly available are in the "earthy" end of the yellow/orange/red/brown/black range. Read more
For more Projects and further details, visit at:

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https://goo.gl/oN41ge
https://goo.gl/DHt3bV
https://goo.gl/B22nrp
1. How has the industry performed so far and how will it perform in the coming years?
2. What is the Project Feasibility of the Plant?
3. What are the requirements of Working Capital for setting up the plant?
4. What is the structure of the industry and who are the key/major players?
5. What is the total project cost for setting up the plant?
6. What are the operating costs for setting up the plant?
7. What are the machinery and equipment requirements for setting up the plant?
8. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up the plant?
9. What are the requirements of raw material for setting up the plant?
10. Who are the Suppliers and Manufacturers of Raw materials for setting up the plant?

11. What is the Manufacturing Process of the plant?

12. What is the total size of land required for setting up the plant?

13. What will be the income and expenditures for the plant?

14. What are the Projected Balance Sheets of the plant?
15. What are the requirement of utilities and overheads for setting up the plant?
16. What is the Built up Area Requirement and cost for setting up the plant?
17. What are the Personnel (Manpower) Requirements for setting up the plant?
18. What are Statistics of Import & Export for the Industry?
19. What is the time required to break-even?
20. What is the Break-Even Analysis of the plant?
21. What are the Project financials of the plant?
22. What are the Profitability Ratios of the plant?
23. What is the Sensitivity Analysis-Price/Volume of the plant?
24. What are the Projected Pay-Back Period and IRR of the plant?
25. What is the Process Flow Sheet Diagram of the plant?
26. What are the Market Opportunities for setting up the plant?
27. What is the Market Study and Assessment for setting up the plant?
28. What is the Plant Layout for setting up the plant?
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Our Market Survey cum Detailed Techno Economic Feasibility Report provides an insight of market in India. The report assesses the market sizing and growth of the Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line.
And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:

- Good Present/Future Demand
- Export-Import Market Potential
- Raw Material & Manpower Availability
- Project Costs and Payback Period

The detailed project report covers all aspect of business, from analyzing the market, confirming availability of various necessities such as Manufacturing Plant, Detailed Project Report, Profile, Business Plan, Industry Trends, Market Research, Survey, Manufacturing Process, Machinery, Raw Materials, Feasibility Study, Investment Opportunities, Cost and Revenue, Plant Economics, Production Schedule,
Working Capital Requirement, uses and applications, Plant Layout, Project Financials, Process Flow Sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios, Break Even Analysis. The DPR (Detailed Project Report) is formulated by highly accomplished and experienced consultants and the market research and analysis are supported by a panel of experts and digitalized data bank.

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3. Economic feasibility study of the Project
4. Market potential survey/research
5. Report Compilation
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