

Plastic Optical Lenses

Eyewear Sector, Spectacle Lenses

Manufacturing Plant, Detailed Project Report, Profile,
Profile, Business Plan, Industry Trends, Market
Research, Survey, Manufacturing Process, Machinery,
Machinery, Raw Materials, Feasibility Study,
Investment Opportunities, Cost and Revenue, Plant
Economics, Production Schedule, Working Capital
Requirement, plant layout, process flow sheet, Cost of
of Project, Projected Balance Sheets, Profitability
Ratios, Break Even Analysis

Introduction

Optical Lenses are optical components designed to focus or diverge light. Optical Lenses, which may consist of a single or multiple elements, are used in a wide variety of applications from microscopy to laser processing. Many industries utilize Optical Lenses, including life sciences, imaging, industrial, or defense. As light passes through a lens, it is affected by the lens' profile or substrate. A Plano-Convex (PCX) or Double-Convex (DCX) lens causes light to focus to a point, while a Plano-Concave (PCV) or Double-Concave (DCV) lens causes the light traveling through the lens to diverge. Achromatic Lenses are ideal for applications requiring color correction, while Aspheric Lenses are designed to correct spherical aberration.

Germanium (Ge), Silicon (Si), or Zinc Selenide (ZnSe) lenses are ideal for transmitting the Infrared (IR) spectrum, while Fused Silica is well suited for the Ultraviolet (UV). A lens is a transmissive optical device that affects the focus of a light beam through refraction. A simple lens consists of a single piece of material, while a compound lens consists of several simple lenses (elements), usually along a common axis. Lenses are made from transparent materials such as glass, ground and polished to a desired shape. A lens can focus light to form an image, unlike a prism, which refracts light without focusing. Devices that similarly refract radiation other than visible light are also called lenses, such as microwave lenses or acoustic lenses.

Most lenses are spherical lenses: their two surfaces are parts of the surfaces of spheres. Each surface can be convex (bulging outwards from the lens), concave (depressed into the lens), or planar (flat). The line joining the centres of the spheres making up the lens surfaces is called the axis of the lens. Typically the lens axis passes through the physical centre of the lens, because of the way they are manufactured. Lenses may be cut or ground after manufacturing to give them a different shape or size. The lens axis may then not pass through the physical centre of the lens. Thus, due to demand it is a good project for entrepreneurs to invest.

Few Indian Major Players are as under

- Bausch & Lomb Eyecare (India) Pvt. Ltd.
- G K B Ophthalmics Ltd.
- G K B Vision Ltd.
- Indo-American Optics Ltd.
- Prime Ophthalmic Products Pvt. Ltd.
- Techtran Ophthalmics Pvt. Ltd.
- Techtran Polylenses Ltd.

PROJECT AT A GLANCE

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	520.00	520.00	Capital	0.00	552.93	552.93
Buildings	0.00	308.50	308.50	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	1026.65	1026.65	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	12.00	12.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	74.50	74.50	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	50.00	50.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	1658.80	1658.80
Preliminary& Pre-operative Exp	0.00	3.00	3.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	100.00	100.00	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	117.08	117.08				
TOTAL	0.00	2211.73	2211.73	TOTAL	0.00	2211.73	2211.73

PROJECT AT A GLANCE

Year	Annualised		Book Value	Debt	Dividend	Retained Earnings		Payout	Probable Market Price	P/E Ratio	Yield Price/ Book Value
	EPS	CEPS	Per Share		Per Share	Per Share				No.of Times	
	₹	₹	₹	₹	₹	%	₹	%	₹		%
1-2	5.70	9.49	15.70	24.00	0.00	100.00	5.70	0.00	5.70	1.00	0.00
2-3	8.25	11.53	23.95	18.00	0.00	100.00	8.25	0.00	8.25	1.00	0.00
3-4	10.80	13.63	34.75	12.00	0.00	100.00	10.80	0.00	10.80	1.00	0.00
4-5	13.30	15.75	48.05	6.00	0.00	100.00	13.30	0.00	13.30	1.00	0.00
5-6	15.74	17.86	63.79	0.00	0.00	100.00	15.74	0.00	15.74	1.00	0.00

PROJECT AT A GLANCE

Year	D. S. C. R.			Debt / - Deposit s Debt	Equity as- Equity	Total Net Worth	Return on Net Worth	Profitability Ratio					Assets Turnover Ratio	Current Ratio
	Individu al	Cumulati ve	Overall I					GPM	PBT	PAT	Net Contrib ution	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%		%		
Initial				3.00	3.00									
1-2	1.37	1.37		1.53	1.53	1.95		24.58%	14.91%	10.80%	1658.43	56.87%	1.16	0.97
2-3	1.64	1.50		0.75	0.75	1.07		27.58%	20.09%	13.41%	1790.21	52.62%	1.26	1.38
3-4	1.97	1.64	1.97	0.35	0.35	0.59		29.60%	23.76%	15.36%	2042.51	52.53%	1.28	1.87
4-5	2.36	1.80		0.12	0.12	0.33		30.96%	26.39%	16.82%	2294.81	52.46%	1.25	2.43
5-6	2.84	1.97		0.00	0.00	0.17		31.88%	28.30%	17.91%	2547.11	52.41%	1.19	4.75

PROJECT AT A GLANCE

BEP	
BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	40.45%
Total BEP (% of Installed Capacity)	45.05%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	25.98%
Payback Period of the Project is (In Years)	2 Years 3 Months
Fixed Assets Coverage Ratio (No. of times)	3.665



Major Queries/Questions Answered in the Report?

1. What is Plastic Optical Lenses industry?
2. How has the Plastic Optical Lenses, eyewear sector performed so far and how will it perform in the coming years?
3. What is the Project Feasibility of a Plastic Optical Lenses manufacturing Plant?
4. What are the requirements of Working Capital for setting up a Plastic Optical Lenses manufacturing plant?
5. What is the structure of the Plastic Optical Lenses, Spectacle Lenses Business and who are the key/major players?

6. What is the total project cost for setting up a Plastic Optical Lenses manufacturing plant?
7. What are the operating costs for setting up a Plastic Optical Lenses manufacturing industry?
8. What are the machinery and equipment requirements for setting up a Plastic Optical Lenses project?
9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up a Plastic Optical Lenses manufacturing plant?
10. What are the requirements of raw material for setting up a Plastic Optical Lenses project?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up a Plastic Optical Lenses manufacturing plant?
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- *We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad*



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- *Project Identification*
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- *We serve a wide array of customers , from individual entrepreneurs to Corporations and Foreign Investors*
- *We use authentic & reliable sources to ensure business precision*



Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation

Who do we serve?

- *Public-sector Companies*
- *Corporates*
- *Government Undertakings*
- *Individual Entrepreneurs*
- *NRI's*
- *Foreign Investors*
- *Non-profit Organizations, NBFC's*
- *Educational Institutions*
- *Embassies & Consulates*
- *Consultancies*
- *Industry / trade associations*

Sectors We Cover

- *Ayurvedic And Herbal Medicines, Herbal Cosmetics*
- *Alcoholic And Non Alcoholic Beverages, Drinks*
- *Adhesives, Industrial Adhesive, Sealants, Glues, Gum & Resin*
- *Activated Carbon & Activated Charcoal*
- *Aluminium And Aluminium Extrusion Profiles & Sections,*
- *Bio-fertilizers And Biotechnology*
- *Breakfast Snacks And Cereal Food*
- *Bicycle Tyres & Tubes, Bicycle Parts, Bicycle Assembling*

Sectors We Cover *Cont...*

- *Bamboo And Cane Based Projects*
- *Building Materials And Construction Projects*
- *Biodegradable & Bioplastic Based Projects*
- *Chemicals (Organic And Inorganic)*
- *Confectionery, Bakery/Baking And Other Food*
- *Cereal Processing*
- *Coconut And Coconut Based Products*
- *Cold Storage For Fruits & Vegetables*
- *Coal & Coal Byproduct*

Sectors We Cover *Cont...*

- *Copper & Copper Based Projects*
- *Dairy/Milk Processing*
- *Disinfectants, Pesticides, Insecticides, Mosquito Repellents,*
- *Electrical, Electronic And Computer based Projects*
- *Essential Oils, Oils & Fats And Allied*
- *Engineering Goods*
- *Fibre Glass & Float Glass*
- *Fast Moving Consumer Goods*
- *Food, Bakery, Agro Processing*

Sectors We Cover *Cont...*

- *Fruits & Vegetables Processing*
- *Ferro Alloys Based Projects*
- *Fertilizers & Biofertilizers*
- *Ginger & Ginger Based Projects*
- *Herbs And Medicinal Cultivation And Jatropha (Biofuel)*
- *Hotel & Hospitality Projects*
- *Hospital Based Projects*
- *Herbal Based Projects*
- *Inks, Stationery And Export Industries*

Sectors We Cover *Cont...*

- *Infrastructure Projects*
- *Jute & Jute Based Products*
- *Leather And Leather Based Projects*
- *Leisure & Entertainment Based Projects*
- *Livestock Farming Of Birds & Animals*
- *Minerals And Minerals*
- *Maize Processing(Wet Milling) & Maize Based Projects*
- *Medical Plastics, Disposables Plastic Syringe, Blood Bags*
- *Organic Farming, Neem Products Etc.*

Sectors We Cover *Cont...*

- *Paints, Pigments, Varnish & Lacquer*
- *Paper And Paper Board, Paper Recycling Projects*
- *Printing Inks*
- *Packaging Based Projects*
- *Perfumes, Cosmetics And Flavours*
- *Power Generation Based Projects & Renewable Energy Based Projects*
- *Pharmaceuticals And Drugs*
- *Plantations, Farming And Cultivations*
- *Plastic Film, Plastic Waste And Plastic Compounds*
- *Plastic, PVC, PET, HDPE, LDPE Etc.*

Sectors We Cover *Cont...*

- *Potato And Potato Based Projects*
- *Printing And Packaging*
- *Real Estate, Leisure And Hospitality*
- *Rubber And Rubber Products*
- *Soaps And Detergents*
- *Stationary Products*
- *Spices And Snacks Food*
- *Steel & Steel Products*
- *Textile Auxiliary And Chemicals*

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