PROJECT REPORT

OF

“ABC ENGINEERING COMPANY”

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Disclaimer

The views expressed in this model project are advisory in nature. It assumes no financial liability to anyone using the report for any purpose. The actual cost and returns of projects will have to be taken on a case-by-case basis considering the specific requirement of projects.

1. **PARTICULARS OF THE ENTERPRISE**

Name of the Enterprise	ABC ENGINEERING COMPANY	**Constitution**	PARTNERSHIP
MSME Status	REGISTERED	**MSME Registration No.**	
Registration Date	27/07/1970	**Date of Incorporation**	27/07/1970
Activity	MANUFACTURING		
Registered Office Address			
Administrative Office Address			
Site location			

2. **PROJECT LOAN AMOUNT**

TERM LOAN	1500 LAKH

3. **PROJECT PROPONENT**

Name Of the Promoter	**SUNIL KUMAR GUPTA**	**SIDDHARTH GUPTA**

Father's Name/Husband's Name	S/O DHARAMPAL GUPTA	S/O SUNIL KUMAR GUPTA
Age	61 YEARS	30 YEARS
Residential Address		
PAN No.		
Designation	PARTNER	PARTNER
Education	B.com	B.com
Experience	MORE THAN 35 YEARS	MORE THAN 12 YEARS

4. **PROJECT DESCRIPTION**

Brief Description Of The Project

ABC ENGINEERING Company, established on July 27, 1970, is located at 33/1 N S Road, Marshall House, 3rd Floor, Room 322, Kolkata, India. Specializing in the manufacture of fasteners, the company is managed by partners Sunil Gupta and Siddharth Gupta. It is the pioneer of the fastener and tower bolts and nuts manufacturing industry.

The company manufactures fastener for various segments globally. These fasteners are used for critical and super critical applications in Electrical Tower, Telecom Towers, Steel Buildings, Solar segment, wind industry and Engineering industry.

ABC ENGINEERING Company, is a well known brand for manufacturing of high tensile, mild steel and stainless steel fasteners, having two state of art plants based at Kolkata India.

To expand its operations and meet the growing demand for its products, ABC ENGINEERING Company is seeking a loan of ₹18 crores to establish another manufacturing unit. The proposed location for this new facility is at JL-30, Ankurhati, Andul-Domjur Road, P.S. Domjur, P.O. Makardah, in the district of Howrah.

The purpose of this loan is multifaceted, covering several key areas critical to the successful establishment and operation of the new unit. A significant portion of the loan will be allocated towards site development.

This includes the necessary groundwork and infrastructure to ensure the site is ready for construction and operational needs. Proper site development is essential for creating a stable and efficient manufacturing environment.

Additionally, a considerable investment will be made in acquiring advanced machinery for the manufacturing of fasteners. State-of-the-art equipment is vital for maintaining high production standards, ensuring quality, and meeting the increasing market demand. This machinery will enhance the company's production capacity, allowing it to scale operations and improve overall efficiency.

The remaining funds will cover various miscellaneous expenses associated with setting up the new unit. These may include costs related to permits, utilities, initial staffing, and other unforeseen expenses that are crucial for the smooth start-up of the new manufacturing facility.

By securing this loan, ABC ENGINEERING Company aims to not only expand its production capabilities but also strengthen its market position and continue its legacy of providing high-quality fasteners.

This strategic expansion is anticipated to generate significant economic benefits, including job creation and enhanced industrial growth in the Howrah region.

5. PRODUCT DESCRIPTION

Product Brief Description

ABC ENGINEERING Company specializes in the manufacturing of fasteners, a critical component in various industries such as construction, automotive, aerospace, electronics, and machinery. Fasteners are hardware devices that mechanically join or affix two or more objects together. They are essential in creating durable, secure, and reliable connections.

The range of fasteners produced by ABC ENGINEERING Company includes:

1. Bolts

Bolts are threaded fasteners with an external male thread and are typically used with a nut to secure multiple components together. They come in various types such as hex bolts, carriage bolts, and flange bolts, each serving specific applications depending on the requirements for strength, durability, and resistance to environmental factors.

2. Nuts

Nuts are internally threaded fasteners that are paired with bolts to hold components together. They are available in various shapes, sizes, and materials, including hex nuts, lock nuts, and wing nuts. The design ensures a strong hold and allows for easy assembly and disassembly of parts.

3. Screws

Screws are similar to bolts but are usually used on their own to fasten into a pre-formed or self-created hole. They come in numerous types including machine screws, wood screws, and self-tapping screws. Screws provide a strong bond and are versatile in their applications, ranging from small electronic devices to large structural projects.

4. Washers

Washers are thin plates with a hole in the middle, used to distribute the load of a threaded fastener like a screw or nut. They help prevent damage to the surface

being fastened and provide a smooth surface for the nut or bolt to press against. Types include flat washers, lock washers, and spring washers.

5. Rivets

Rivets are permanent mechanical fasteners consisting of a smooth cylindrical shaft with a head on one end. They are used when a strong, lasting bond is required. Rivets are particularly prevalent in the aerospace and automotive industries where safety and durability are paramount.

Quality and Standards

ABC ENGINEERING Company is committed to manufacturing fasteners that meet international standards such as ISO, DIN, and ASTM. The materials used include high-grade steel, stainless steel, brass, and other alloys, ensuring the fasteners are durable, resistant to corrosion, and capable of withstanding various environmental conditions.

Applications

The fasteners produced by ABC ENGINEERING Company are used in:

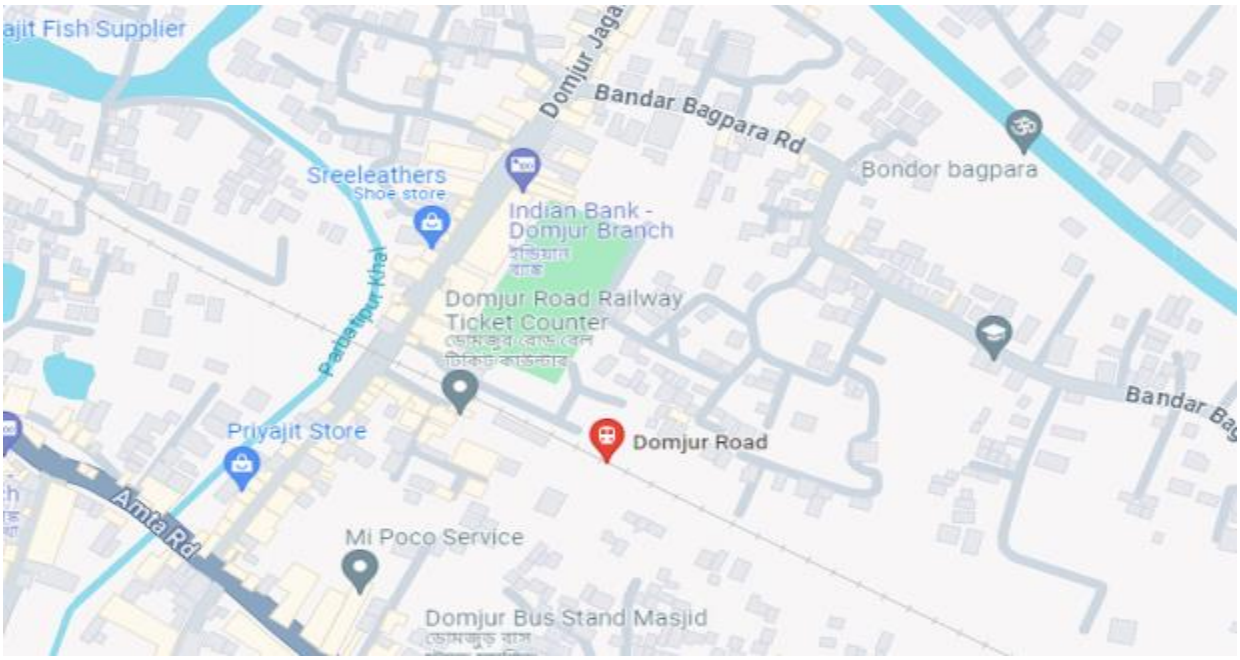
- **Construction:** For securing structural elements, roofing, and siding.
- **Automotive:** In engine components, body assembly, and interior fixtures.
- **Aerospace:** In aircraft assembly and maintenance, ensuring safety and reliability.
- **Electronics:** For assembling devices and circuit boards.
- **Machinery:** In assembling and maintaining industrial equipment.

6. LOCATION OF THE PROJECT

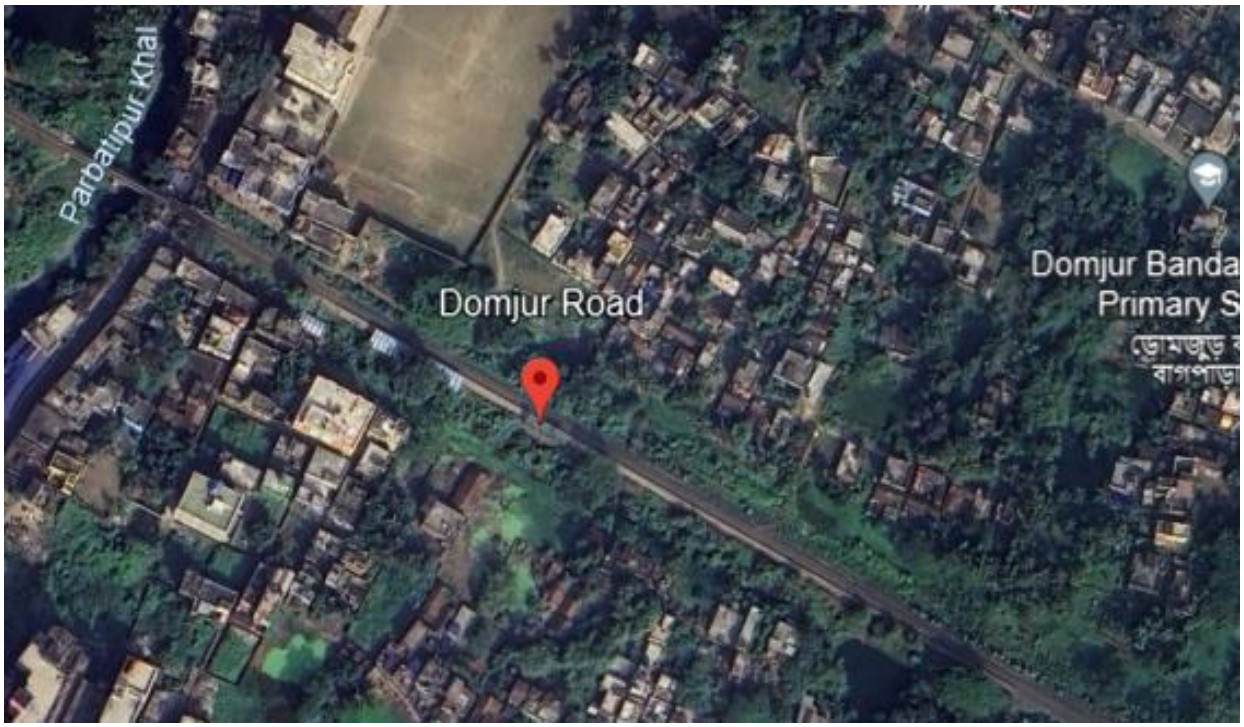
Site Location

JL-30, Ankurhati, Andul-Domjur Road, P. S. Domjur, P.O. Makardah, Dist: Howrah - 711409

Project Site Map



Google Earth Image



Project Site Co-ordinates

Longitude	88.220474
Latitude	22.638571

7. MARKET SURVEY

Demand & Supply

Demand for Fasteners

The Indian industrial fasteners market was valued at USD 9,064 million in 2022 and is projected to reach USD 17,868 million by 2030, registering a CAGR of 7.9% during the forecast period (2023-2030)

Construction Industry

The construction industry is one of the largest consumers of fasteners. With ongoing urbanization and infrastructure development projects globally, the demand for various types of fasteners, such as bolts, nuts, and screws, remains high.

Fasteners are essential for constructing buildings, bridges, roads, and other infrastructure, ensuring structural integrity and safety.

Automotive Industry

The automotive sector heavily relies on fasteners for assembling vehicles. Every vehicle, from cars to trucks, requires a multitude of fasteners for different parts, including engines, body frames, and interior components. The rise in automobile production, driven by increasing consumer demand and technological advancements, boosts the need for high-quality fasteners.

Aerospace Industry

In the aerospace industry, the demand for specialized fasteners is critical. Fasteners used in aircraft construction must meet stringent safety and performance standards. The growth in air travel, coupled with advancements in aerospace technology, fuels the demand for durable and reliable fasteners.

Electronics Industry

The electronics sector demands precision fasteners for assembling devices like smartphones, computers, and household appliances. With the rapid pace of technological innovation and the proliferation of electronic devices, there is a constant need for high-precision, small-sized fasteners.

Machinery and Equipment

Industrial machinery and equipment manufacturing is another significant market for fasteners. As industries expand and upgrade their machinery, the need for robust and specialized fasteners grows. This sector includes manufacturing plants, agricultural machinery, and heavy equipment.

Supply of Fasteners

Raw Materials

The availability of raw materials, such as steel, stainless steel, brass, and other alloys, is crucial for the supply of fasteners. Fluctuations in raw material prices and availability can impact production costs and supply chains. Ensuring a steady supply of high-quality raw materials is essential for maintaining consistent production levels.

Global Supply Chains

The fastener industry is supported by a global supply chain network. Companies source raw materials, manufacture components, and distribute finished products across various regions. Effective supply chain management ensures timely delivery of fasteners to meet market demand.

Technological Advancements

Technological innovations in manufacturing processes contribute to the efficient supply of fasteners. Advanced techniques such as cold forging, heat treatment, and surface coating improve the quality and durability of fasteners, meeting diverse industrial requirements.

Regulatory Standards

Compliance with international standards and regulations, such as ISO, DIN, and ASTM, ensures that fasteners meet the required quality and safety benchmarks. Adherence to these standards facilitates the global trade of fasteners, expanding their market reach.

Market Dynamics

The demand and supply of fasteners are influenced by economic conditions, industrial growth, technological advancements, and global trade policies. While demand is driven by the expansion of key industries, supply is governed by manufacturing capabilities, raw material availability, and technological progress.

Balancing these factors is crucial for meeting market needs and sustaining growth in the fastener industry.

Market Opportunity

Rising Industrialization and Urbanization

The global trend of industrialization and urbanization is creating substantial market opportunities for fasteners. As countries develop their infrastructure, the demand for construction materials, including fasteners, increases.

Urban development projects, such as residential buildings, commercial complexes, bridges, and roads, rely heavily on various types of fasteners to ensure structural integrity and safety.

2. Automotive Industry Growth

The automotive industry is experiencing continuous growth, driven by increasing consumer demand, technological advancements, and the expansion of electric vehicle (EV) markets. Fasteners are essential components in vehicle assembly, used in engines, chassis, interiors, and other critical parts. The shift towards lightweight and electric vehicles presents a specific opportunity for innovative fastener solutions that cater to these new requirements.

3. Technological Advancements in Electronics

The electronics industry is booming, with a constant stream of new devices and technologies entering the market. Fasteners are vital in the assembly of electronic devices, including smartphones, laptops, and home appliances. The trend towards miniaturization and increased functionality in electronics creates a demand for precision fasteners that can meet these specific needs.

4. Renewable Energy Projects

The push for renewable energy sources, such as wind, solar, and hydroelectric power, generates demand for fasteners used in the construction and maintenance

of these installations. Wind turbines, solar panels, and other renewable energy infrastructures require durable and weather-resistant fasteners to ensure long-term reliability and performance.

5. Healthcare and Medical Devices

The healthcare industry is another growing market for fasteners, particularly with the advancement of medical devices and equipment. Fasteners used in medical devices must comply with rigorous safety and quality standards, presenting an opportunity for manufacturers to supply specialized products that meet these criteria.

8. TECHNICAL FEASIBILITY

Management Team

Name	Designation	Role	Experience
Rajesh Aggarwal	Technical Head	Management	30 Years+
Rakesh Gupta	Engineering Head	Management	25 Years+
Raghav Gupta	IT Solutions Head	Management	15 Years+

More than 300 workers will work in the new munuacturing plant.

Machinery Required

Machinery Images

Technology & Process Description

Fastener manufacturing involves a series of sophisticated processes and technologies to produce high-quality components that meet the diverse needs of various industries.

The process typically includes the following steps: raw material preparation, forming, threading, heat treatment, surface finishing, and quality control. Here is a detailed description of each step and the technologies involved:

1. Raw Material Preparation

- **Materials**: Common materials used for fasteners include carbon steel, stainless steel, alloy steel, brass, aluminum, and titanium.
- **Wire Drawing**: The raw materials are usually procured in the form of wire rods. These rods are drawn through dies to reduce their diameter to the desired size, a process known as wire drawing. This step ensures uniformity and prepares the material for further processing.

2. Cold Heading/Forming

- **Cold Heading**: This is a primary method for forming fasteners. The wire is cut to a specific length and then placed in a cold heading machine where it is formed into the desired shape using high-pressure dies. This process involves the use of mechanical or hydraulic presses to shape the metal at room temperature.
- **Upsetting**: Upsetting is a part of cold heading where the diameter of the wire is increased to form the head of bolts or screws. This method enhances the strength and integrity of the fastener.

3. Threading

- **Thread Rolling**: Threads are typically formed using thread rolling machines, where the fastener blank is rolled between two dies to create external threads. This cold-forming process strengthens the threads and provides a smooth finish.
- **Cut Threading**: In some cases, especially for small batches or specialized threads, threads are cut using threading dies or taps. This method involves removing material to form the thread.

4. Heat Treatment

- **Hardening and Tempering**: To achieve the desired mechanical properties, fasteners undergo heat treatment processes such as hardening and tempering. The fasteners are heated to a specific temperature and then quenched in oil or water to harden them. This is followed by tempering, where the fasteners are reheated to a lower temperature to reduce brittleness and enhance toughness.

5. Surface Finishing

- **Plating**: Surface treatments like zinc plating, nickel plating, or galvanizing are applied to enhance corrosion resistance and appearance. Electroplating involves depositing a thin layer of metal onto the fastener's surface using an electric current.
- **Passivation**: For stainless steel fasteners, passivation is performed to remove surface contaminants and improve corrosion resistance. This involves treating the fasteners with an acid solution to remove free iron and other contaminants.

6. Quality Control and Inspection

- **Dimensional Inspection**: Fasteners are inspected for dimensional accuracy using gauges, micrometers, and calipers. This ensures that the fasteners meet the specified size and tolerance requirements.
- **Mechanical Testing**: Mechanical properties such as tensile strength, hardness, and shear strength are tested to ensure the fasteners can withstand the required loads and stresses.
- **Non-Destructive Testing**: Techniques like magnetic particle inspection, ultrasonic testing, and dye penetrant inspection are used to detect surface and subsurface defects without damaging the fasteners.

9. COMMERCIAL VIABILITY

SWOT Analysis

Strengths

Established Reputation: ABC ENGINEERING Company has been operational since 1970, giving it over five decades of experience and a solid reputation in the fastener manufacturing industry.

Experienced Leadership: With Sunil Gupta and Siddharth Gupta as partners, the company benefits from experienced leadership and strategic direction.

Product Quality: Known for manufacturing high-quality fasteners that meet international standards such as ISO, DIN, and ASTM, ensuring reliability and customer trust.

Strong Customer Base: A well-established customer base across various industries provides a stable revenue stream and potential for repeat business.

Expansion Plans: The initiative to set up a second unit indicates growth ambition and the ability to scale operations to meet increasing demand.

Weakness

High Capital Requirement: The need for an ₹18 crore loan highlights the significant capital required for expansion, which can be a financial strain and may increase leverage.

Dependence on Raw Material Supply: The availability and price volatility of raw materials like steel can impact production costs and profitability.

Opportunities

Industry Growth: The growing construction, automotive, aerospace, electronics, and renewable energy sectors present substantial opportunities for increased fastener demand.

Product Innovation: Investing in research and development can lead to innovative fastener solutions, such as lightweight or corrosion-resistant products, catering to specialized needs.

Sustainability: Embracing eco-friendly manufacturing practices and materials can attract environmentally conscious customers and comply with increasing regulatory standards.

Digital Transformation: Leveraging digital technologies for process automation, supply chain management, and online sales can enhance operational efficiency and customer reach.

Threats

Economic Fluctuations: Economic downturns or slowdowns in key markets can reduce demand for fasteners, affecting sales and profitability.

Intense Competition: The fastener industry is highly competitive, with numerous players ranging from small manufacturers to large multinational corporations. Competitive pricing and innovation are essential to maintain market share.

Regulatory Compliance: Changes in industry regulations, safety standards, and environmental laws can increase compliance costs and operational challenges.

Supply Chain Disruptions: Global supply chain issues, such as delays, logistical challenges, or raw material shortages, can disrupt production schedules and impact delivery times.

Technological Advancements: Rapid technological changes can render existing manufacturing processes obsolete, requiring continuous investment in new technologies to stay competitive.

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CMA DATA

ABC ENGINEERING COMPANY

Cost of project and means of finance

Name of the Applicant : SIMPLEX ENGINEERING COMPANY

* Figures in Lakh (In Rupees)

Cost of project	Already Incurred	To be incurred		Total Cost
		Firm	Non-Firm	
Land	0	262.5	0	262.5
Site Development	0	50	0	50
Buildings	0	400	0	400
Plant and Machinery				
- Imported	0	0	0	0
- Indigenous	0	1100	0	1100
Misc. Fixed Assets	0	120	0	120
Preliminary Expenses	0	0	0	0
Pre-operative Expenses	0	65.63		65.63
Provision for Contingencies	0	0		0
Margin Money for Working Capital	0	45.52		45.52
Total Cost	0	2043.65	0	2043.65
Total Cost (Rounded off)				2043.7

MEANS OF FINANCE	Already raised	To be raised	Total Cost
Equity			
Partners Capital	0	543.65	543.65
Share Premium	0	0	0
Preference Share Capital	0	0	0
Equity Contribution	0	0	0
Quasi-Equity			
Interest free Unsecured Loans	0	0	0
Subsidy	0	0	0
Quasi-Equity Others (Pl Specify)	0	0	0
Total Quasi-Equity	0	543.65	543.65
Debt			
Term Loan	0	1500	1500
Term Loan from Other Bank	0	0	0
Interest Bearing Unsecured Loans	0	0	0
Total Debt (Rounded off)	0	1500	1500
Total Finance	0	2043.65	2043.65

Debt-Equity Ratio (DER) :	2.76
Debt Equity Ratio (Considering Interest Free Unsecured Loans as Quasi Equity) :	2.76
Promoters' Contribution (%) :	26.6%
Promoters' Contribution by Equity (%) :	100%
Ratio of Capital to Interest Free Unsecured Loans :	NA

Assumpitons

Name of the Applicant	SIMPLEX ENGINEERING COMPANY
Constitution of the applicant	Partnership Firm
First financial year of operations for the project	2026
Proposed date of commencement of commercial production	01/04/2025
No. of Financial Years from the Proposed date of commencement of commercial production including Moratorium Period	7
No. of Moratorium Period (Months) from the Proposed date of commencement of commercial production	6

Basis Overall Install Capacity

*** Figures in Lakh (In Rupees)**

Name of Product	Unit Measurement	Production per day (units)	No of working days per year	Production per annum (units)
FASTNER	KG	8000	300	2400000
Sum of Basis Of Installed Capacity				2400000

Sales at installed capacity

* Figures in Lakh (In Rupees)

FASTNER

(a) Export Sale

Percentage Export Sales	70%
Unit Measurement	KG
Quantity To Be Exported	1680000
Selling Rate Per Unit	155
Export Sales At Installed Capacity Lakh (In Rupees)	2604

(b) Gross Domestic Sales

Percentage Domestic Sales	30%
Quantity For Domestic Sales	720000
Unit Measurement	KG
Selling Rate Per Unit	140
Gross Domestic Sales At Installed Capacity Lakh (In Rupees)	1008

Raw Material Cost At Installed Capacity

* Figures in Lakh (In Rupees)

FASTNER

Basis Of Installed Capacity :- 2400000

Raw material	Unit Measurement	Quantity per unit	Qty. reqd. (Units)	Purchase rate per unit (In Rs.)	Total Cost Lakh (In Rupees)
STEEL WRC	KG	1.08	2592000	54	1399.68
Total					1399.68

Total Cost of Raw Material Lakh (In Rupees)	1399.68

Consumable Spares at Installed Capacity

*** Figures in Lakh (In Rupees)**

Consumable Spare	Unit Measurement Name KG	Quantity Required	Purchase Rate	Total Cost
Consumable	KG	2400000	5	120
Total Cost Of Consumable Spares Lakh (In Rupees) Lakh (In Rupees)				120

Power & fuel expenses at installed capacity

*** Figures in Lakh (In Rupees)**

(a) Power Cost Calculations

Total Power Load :	180
No. of working hours per day :	12
No. of working days per annum :	300
Load Factor :	1
Total units consumption per annum :	648000
Ratio of Power to be obtained from SEB :	80%
Own Generation Power :	20%
Power from SEB	
No. of units purchased :	518400
Rate per unit (In Rs.) :	8
Total Cost Lakh (In Rupees) :	41.47
Own Generation	
No of units generated :	129600
Rate per unit (In Rs.) :	20
Total Cost Lakh (In Rupees) :	25.92
Total Electricity Cost Lakh (In Rupees) :	67.39

(b) Fuel Cost For Steam Boiler

Diesel reqd. per hour (ltrs.) :	0
No. of working hours per day :	12
No. of working days per annum :	300
Total consumption per annum (ltrs.) :	0
Rate per litre of Diesel :	0
Total cost of Diesel Lakh (In Rupees) :	0
Total Power & Fuel Cost Lakh (In Rupees) :	67.39

Total Factory Salaries And Wages

*** Figures in Lakh (In Rupees)**

Designation	No. of employees.	Salary Per month (In Rs.)	Amount (In Rs.)
Supervisor	4	20000	80000
skilled labour	10	13000	130000
SEMI SKILLED LABOUR	11	12000	132000
unskilled labour	13	10000	130000
Accountant	1	20000	20000
Security Guard	1	12000	12000
Total	40		504000

Percentage Fringe Benefits

*** Figures in Lakh (In Rupees)**

Total factory salaries and wages	504000
Percentage Fringe Benefits	1 %
Fringe Benefits Amount (In Rs.)	5040
Monthly factory salaries and wages (In Rs.)	509040
Annual factory salaries and wages Lakh (In Rupees)	61.08

Other Expenses at Installed Capacity

*** Figures in Lakh (In Rupees)**

Other Manufacturing Expenses At Installed Capacity

Maximum No. Of Units Produced		2400000
Rate Per Unit		25
Name	Cost	
GALVANISHING EXPENSES	13	
HEAT TREATMENT EXPENSES	12	
Other Manufacturing Expenses		600

Other Variable Expenses At Installed Capacity

Maximum No. Of Units Produced		2400000
Rate Per Unit		5
Name	Cost	
PACKAGING COST	1	
TRANSPORTATION CHARGES	4	
Other Variable Expenses		120

Upfront fee on term loan

*** Figures in Lakh (In Rupees)**

Amount of Term Loan Lakh (In Rupees)	1500
Upfront fee (%)	1%
Education Cess (%)	0%
Amount of Upfront Fee	15

Interest during construction period

* Figures in Lakh (In Rupees)

Interest Rate on Term Loan	8.75%

Disbursement	I	II	III
Amount disbursed	500	500	500
Cumulative amount	500	1000	1500
Outstanding period (in months)	3	3	3
Interest amount	10.94	21.88	32.81
Total Interest during construction period Lakh (In Rupees)			65.63

Cost of land

*** Figures in Lakh (In Rupees)**

Purchase Price of Land.	250
Stamp Duty and Other Charges	12.50
Total Cost Of Land	262.5

Site development

*** Figures in Lakh (In Rupees)**

Total Cost Of Site Development	50

Buildings

*** Figures in Lakh (In Rupees)**

S No.	Description	Cost
1	Building	400
Total		400

Cost Of Plant And Machinery

*** Figures in Lakh (In Rupees)**

Indigenous

S No.	Description	Quantity	Supplier	Unit Cost in Rupees	Total Cost Lakh (In Rupees)
1	Plant & Machinery	1	As Per List Attached	110000000	1100
Total					1100

Misc. Fixed Assets

S No.	Description	Quantity	Supplier	Unit Cost in Rupees	Total Cost Lakh (In Rupees)
1	ELECTRIC FITTING	1	As Per List Attached	5000000	50
2	DG SET	1	As Per List Attached	7000000	70
Total					120

Sales & Total Income

*** Figures in Lakh (In Rupees)**

Sales & Total Income	Absolute amount at 100% installed capacity
Annual gross domestic sales Lakh (In Rupees)	1008
Annual export sales Lakh (In Rupees)	2604
Annual income from job work Lakh (In Rupees)	0
Other Operational Income	0
Annual Non-operational Income Lakh (In Rupees)	0

User Defined Annual Income From Job Work / Other Operational Income Lakh (In Rupees)

	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032
Annual income from job work Lakh (In Rupees)	0	0	0	0	0	0	0
Other Operational Income	0	0	0	0	0	0	0
Annual Non-operational Income Lakh (In Rupees)	0	0	0	0	0	0	0

Cost of production sales

*** Figures in Lakh (In Rupees)**

	Absolute amount at 100% installed capacity
Raw material consumed	1399.68
Consumable stores and spares Lakh (In Rupees)	120
Power, Fuel & Other Utilities Lakh (In Rupees)	67.39
Annual Increase Rate	0 %
Factory salaries and Wages Lakh (In Rupees)	61.08
Other Manufacturing Expenses	600
Other Variable Expenses	120

Repairs and maintenance

	On Gross Value of Assets
Annual Increase Rate	2%
Percentage on Building	1
Percentage on Plant & Machinery	3
Percentage on Misc. Fixed Assets	1
Percentage of Annual Net Sales & Job Income	
Selling, Packing & Distribution Expenses	2
Administrative & Misc. Expenses	1
Variable Component of Power, Fuel & Other Utilities (%)	95
Variable Component Of Factory Salaries And Wages(%)	90
Variable Component of Selling, Packing & Distribution Expenses (%)	95
Corporate/ Income Tax Rate	30
Surcharge rate, if applicable	0
Education cess	0
Any Benefit Under Income Tax Act(%)	0
No. of initial years for which 100% tax exemption is available	0

Dividend or drawings

Financial Year	Percentage
Financial Year FY2026	0%
Financial Year FY2027	0%
Financial Year FY2028	0%
Financial Year FY2029	50%
Financial Year FY2030	50%
Financial Year FY2031	50%
Financial Year FY2032	50%

Working capital

*** Figures in Lakh (In Rupees)**

Computation of Margin Money for WC for taking in Project Cost	First Method of Lending
Year from which MM for WC will be used for Project Cost Calculations	First Year of Operation
Method of Assessment of Working Capital Requirement	First Method of Lending
Whether computation of Stock in Process and finished goods are to be done in Profitability Statement for arriving at proper values of cost of production and as per RBI definition, when following Second Method of Lending for WC Assessment	YES
Whether the unit will avail working capital limit from Bank	NO

(a) User-defined Assessment of Working Capital	User defined Amount Lakh (In Rupees)						
	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032
User-defined Margin Money for WC	0	0	0	0	0	0	0
Bank Borrowing for WC	0	0	0	0	0	0	0
Sundry Creditors	0	0	0	0	0	0	0

(b) Inventory holding periods for First or Second Method of Lending	No. of Months
Raw material	1
Consumable stores and spares	0.25
Stock in Process	0.25
finished goods	0.5
Export Receivables	0
Receivables other than Exports	1.5

(c) Sundry Creditors for Nayak Committee Method/ First or Second Method of Lending	No. of Months
Sundry Creditors	1.5
Rate of Interest on Bank Borrowing for Working Capital	0

Depreciation

*** Figures in Lakh (In Rupees)**

Select method of depreciation to be applied in projections	WDV

	Depreciation Rates as per Income Tax Act (WDV Method)	Depreciation Rates to be applied in projections
Building	10	10
Plant and Machinery	15	15
MFA	15	15

Term loan

Installment Type :	Monthly Installments
Equal and Unequal Installment :	Unequal Installments
No. of installments :	60
Interest rate on term loan :	9
Date of first installment :	01/10/2025

Term loan from other bank

Installment Type :	Monthly Installments
No. of installments :	0
Interest rate on term loan :	0
Date of first installment :	27/05/2024

Interest bearing unsecured loans

*** Figures in Lakh (In Rupees)**

Repayment Installments :	Interest Bearing Unsecured Loans
Whether Interest Bearing Unsecured Loans Are Repayable :	YES
Interest rate on Interest Bearing Unsecured Loans :	0
Interest Bearing Unsecured Loans are repayable	MONTHLY
No. of installments :	84
Date of first installment :	01/04/2025

	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030
Lease Rentals Lakh (In Rupees)	0	0	0	0	0	0	0

Guess Rate for IRR Calculation :	20
Discount rate for NPV calculation :	9
No. of Employees :	40

Projections of performance & profitability

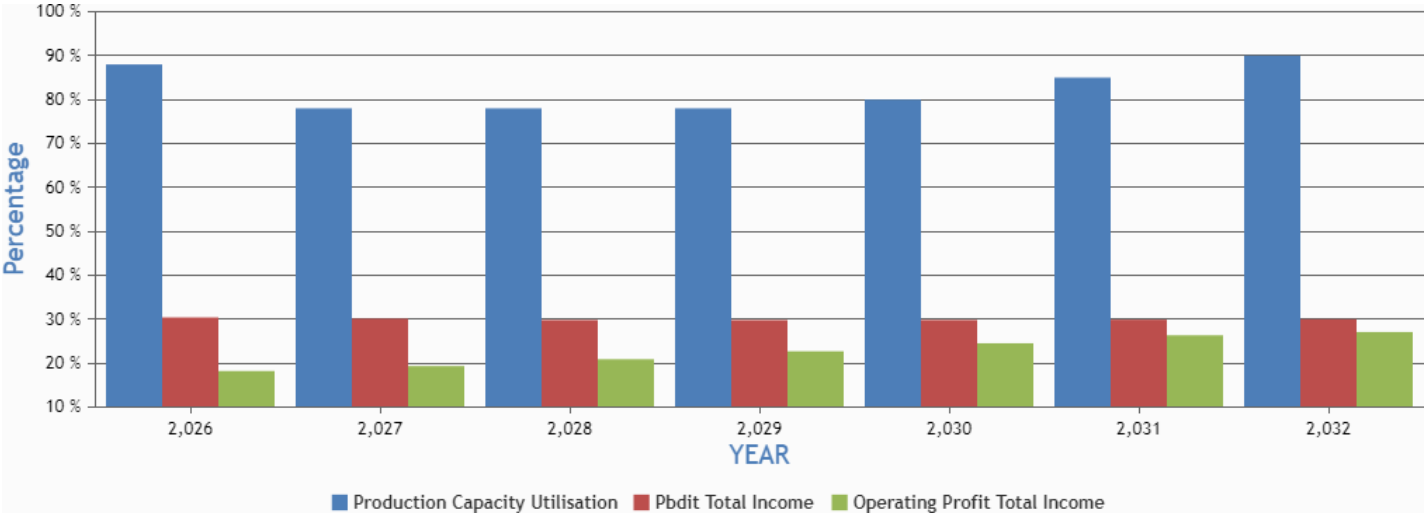
Name of the Applicant : SIMPLEX ENGINEERING COMPANY

* Figures in Lakh (In Rupees)

	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032
Production Capacity Utilization	88%	78%	78%	78%	80%	85%	90%
Sales as percentage of Installed Capacity	82.5%	78.63%	78%	78%	79.88%	84.69%	89.69%
Sales / Total Income							
Gross Domestic Sales	831.6	792.54	786.24	786.24	805.14	853.65	904.05
Net Domestic Sales	831.6	792.54	786.24	786.24	805.14	853.65	904.05
Export Sales	2148.3	2047.4	2031.12	2031.12	2079.95	2205.26	2335.46
Net Sales	2979.9	2839.94	2817.36	2817.36	2885.09	3058.91	3239.51
Income from other job work	0	0	0	0	0	0	0
Other Operational Income	0	0	0	0	0	0	0
Total Income	2979.9	2839.94	2817.36	2817.36	2885.09	3058.91	3239.51
COST OF PRODUCTION/ SALES							
raw material consumed	1231.72	1091.75	1091.75	1091.75	1119.74	1189.73	1259.71
consumable stores and spares	105.6	93.6	93.6	93.6	96	102	108
Power, Fuel & Other Utilities (Fixed)	3.37	3.37	3.37	3.37	3.37	3.37	3.37
Power, Fuel & Other Utilities (Variable)	56.34	49.94	49.94	49.94	51.22	54.42	57.62
factory salaries and wages (fixed)	6.11	6.11	6.11	6.11	6.11	6.11	6.11
factory salaries and wages (variable)	48.38	42.88	42.88	42.88	43.98	46.73	49.47

	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032
Repairs & Maintenance	39.75	40.54	41.35	42.18	43.02	43.88	44.76
Other Manufacturing Expenses	528	468	468	468	480	510	540
other variable expenses	105.6	93.6	93.6	93.6	96	102	108
Depreciation	232.03	199.31	171.28	147.28	126.71	109.07	93.94
Sub-total	2356.9	2089.1	2061.88	2038.71	2066.15	2167.31	2270.98
add: opening stock in process	0	48.1	43.62	42.97	42.48	43.03	45.11
less: closing stock in process	48.1	43.62	42.97	42.48	43.03	45.11	47.27
cost of production	2308.8	2093.58	2062.53	2039.2	2065.6	2165.23	2268.82
Add: Opening Stock of Finished Goods	0	92.35	87.44	86	85.01	86.02	90.05
Less: Closing Stock of Finished Goods	92.35	87.44	86	85.01	86.02	90.05	94.36
Cost of Sales	2216.45	2098.49	2063.97	2040.19	2064.59	2161.2	2264.51
Selling, Packing & Distr. Expenses (Fixed)	2.98	2.84	2.82	2.82	2.89	3.06	3.24
Selling, Packing & Distr. Expenses (Variable)	56.62	53.96	53.53	53.53	54.82	58.12	61.55
Administrative & Misc. Expenses	29.8	28.4	28.17	28.17	28.85	30.59	32.4
Sub-total	2305.85	2183.69	2148.49	2124.71	2151.15	2252.97	2361.7
Profit before Interest, Lease Rentals (PBIT)	674.05	656.25	668.87	692.65	733.94	805.94	877.81
Interest on Term Loan	131.09	106.91	80.1	52.91	25.91	0	0
Interest on Interest Bearing Unsecured Loans	0	0	0	0	0	0	0
Interest on Bank Borrowing	0	0	0	0	0	0	0

	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032
Lease Rentals	0	0	0	0	0	0	0
Operating Profit	542.96	549.34	588.77	639.74	708.03	805.94	877.81
Preliminary Expenses written off	0	0	0	0	0	0	0
Non-operational Income	0	0	0	0	0	0	0
Profit before Tax (PBT)	542.96	549.34	588.77	639.74	708.03	805.94	877.81
Provision for Taxation	45.46	45.99	49.29	53.56	59.28	67.47	73.49
Profit after Tax (PAT)	497.5	503.35	539.48	586.18	648.75	738.47	804.32
Drawings	0	0	0	271.83	271.83	271.83	271.83
Retained Earnings	497.5	503.35	539.48	314.35	376.92	466.64	532.49
Gross Cash Accruals	729.53	702.66	710.76	733.46	775.46	847.54	898.26
Net Cash Accruals	729.53	702.66	710.76	461.63	503.63	575.71	626.43
PBDIT/ Total Income (%)	30.41%	30.13%	29.82%	29.81%	29.83%	29.91%	30%
Operating Profit/ Total Income (%)	18.22%	19.34%	20.9%	22.71%	24.54%	26.35%	27.1%
Net Profit/ Total income (%)	16.7%	17.72%	19.15%	20.81%	22.49%	24.14%	24.83%
Raw Material Cost/ Cost of Production (%)	53.35%	52.15%	52.93%	53.54%	54.21%	54.95%	55.52%
Cost of Production/ Net Sales (%)	77.48%	73.72%	73.21%	72.38%	71.6%	70.78%	70.04%
Cost of Sales/ Net Sales (%)	74.38%	73.89%	73.26%	72.41%	71.56%	70.65%	69.9%
Interest Coverage Ratio	5.14	6.14	8.35	13.09	28.33	0	0
Return on Capital Employed (ROCE) (%)	34.6%	37.68%	42.67%	48.82%	56.69%	67.49%	79.12%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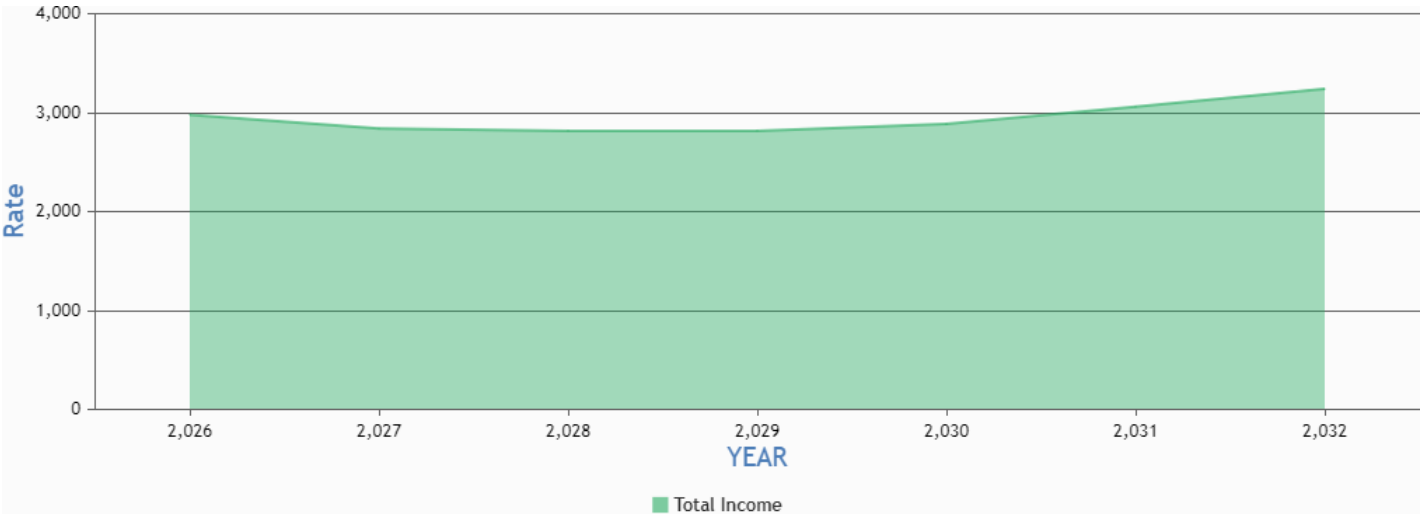
Operating Profit Total Income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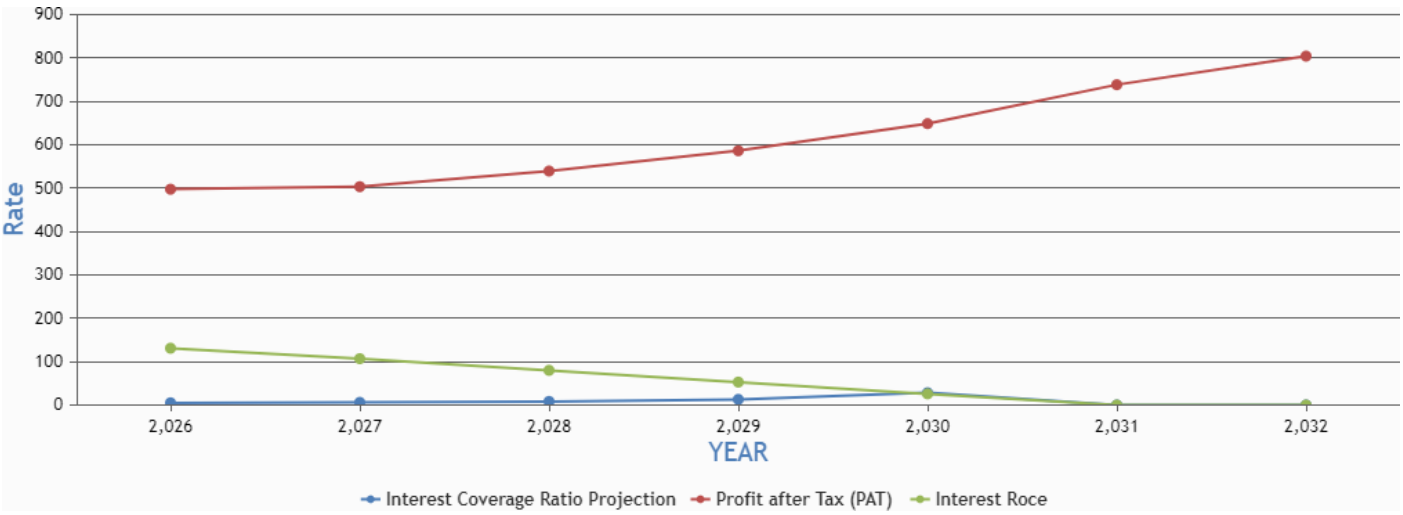
YEAR
Total Income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YEAR
Interest Coverage Ratio Projection
Profit after Tax (PAT)
Interest Roce

Projected cash flow statement

Name of the Applicant : SIMPLEX ENGINEERING COMPANY

* Figures in Lakh (In Rupees)

	Const. Period	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032
Sources Of Funds								
PBT with interest & lease rental added back	0	674.05	656.25	668.87	692.65	733.94	805.94	877.81
Depreciation	0	232.03	199.31	171.28	147.28	126.71	109.07	93.94
Increase in Partners Capital	543.65	0	0	0	0	0	0	0
Increase in Share Premium	0	0	0	0	0	0	0	0
Increase in Preference Share Capital	0	0	0	0	0	0	0	0
Increase in Equity Capital	0	0	0	0	0	0	0	0
Increase in Interest Free Unsecured Loan	0	0	0	0	0	0	0	0
Increase in Subsidy	0	0	0	0	0	0	0	0
Increase in Quasi-Equity Others (Pl Specify)	0	0	0	0	0	0	0	0
Increase in Term Loan	1500	0	0	0	0	0	0	0
Increase in Interest Bearing Unsecured Loans	0	0	0	0	0	0	0	0

	Const. Period	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032
Increase in Bank Borrowings for WC	0	0	0	0	0	0	0	0
Increase in Current Liabilities	0	167.16	-18.99	0	0	3.8	9.5	9.49
Preliminary Expenses written off	0	0	0	0	0	0	0	0
Total	2043.65	1073.24	836.57	840.15	839.93	864.45	924.51	981.24
Disposition Of Fun								
Increase in Capital expenditure	1998.13	0	0	0	0	0	0	0
Preliminary Expenses	0	0	0	0	0	0	0	0
Increase in Current Assets	0	349.24	-26.18	-2.88	-1.48	6.3	18.14	18.73
Decrease in Term Loan	0	150	300	300	300	300	0	0
Decrease in Interest Bearing Unsecured Loans	0	0	0	0	0	0	0	0
Interest on Term	0	131.09	106.91	80.1	52.91	25.91	0	0
Interest on Interest Bearing Unsecured Loans	0	0	0	0	0	0	0	0
Interest on Working Capital Limit	0	0	0	0	0	0	0	0
Lease Rentals	0	0	0	0	0	0	0	0
Taxation	0	45.46	45.99	49.29	53.56	59.28	67.47	73.49

	Const. Period	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032
Drawings	0	0	0	0	271.83	271.83	271.83	271.83
Total	1998.13	675.79	426.72	426.51	676.82	663.32	357.44	364.05
Opening Cash &	0	45.52	442.97	852.82	1266.46	1429.57	1630.7	2197.77
Net Surplus/	45.52	397.45	409.85	413.64	163.11	201.13	567.07	617.19
Closing Cash &	45.52	442.97	852.82	1266.46	1429.57	1630.7	2197.77	2814.96

Projected balance sheet

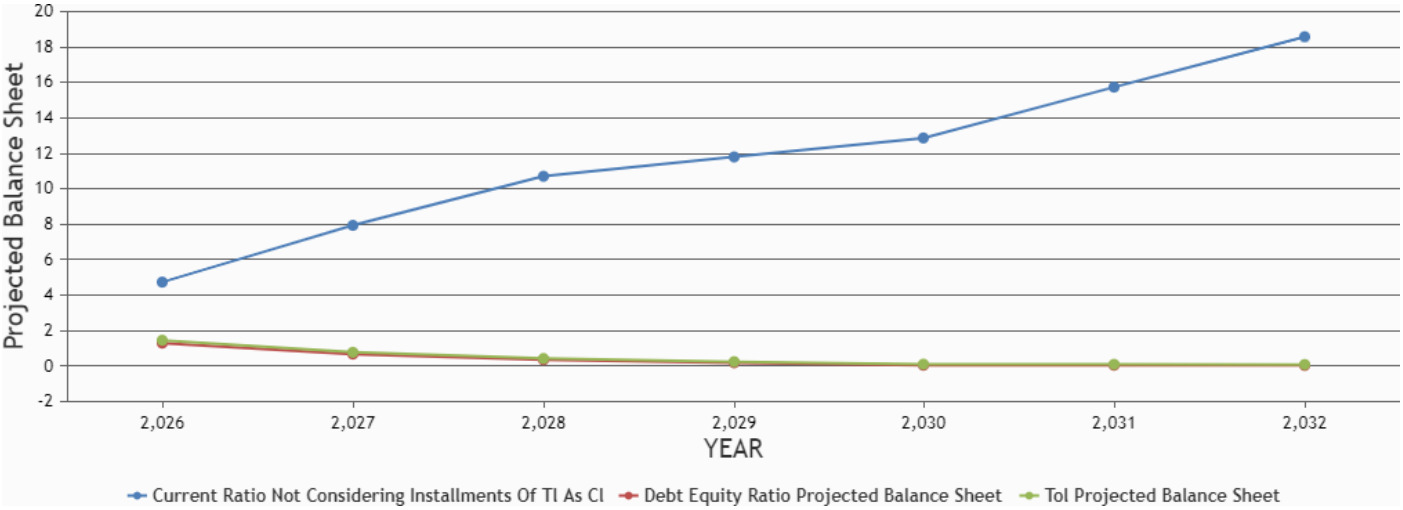
Name of the Applicant : SIMPLEX ENGINEERING COMPANY

* Figures in Lakh (In Rupees)

	Const. Period	As on FY2026	As on FY2027	As on FY2028	As on FY2029	As on FY2030	As on FY2031	As on FY2032
Liabilities								
Partners Capital	543.65	543.65	543.65	543.65	543.65	543.65	543.65	543.65
Preference Share Capital	0	0	0	0	0	0	0	0
Equity Contribution	0	0	0	0	0	0	0	0
Reserves & Surplus	0	497.5	1000.85	1540.33	1854.68	2231.6	2698.24	3230.73
Interest free Unsecured Loans	0	0	0	0	0	0	0	0
Subsidy	0	0	0	0	0	0	0	0
Quasi-Equity								
Others (Pl Specify)	0	0	0	0	0	0	0	0
Term Loan from bank	1500	1350	1050	750	450	150	150	150
Interest Bearing Unsecured Loans	0	0	0	0	0	0	0	0
Bank Borrowings for WC	0	0	0	0	0	0	0	0
Current Liabilities								
Creditors for Purchases	0	167.16	148.17	148.17	148.17	151.97	161.47	170.96
TOTAL Liabilities	2043.65	2558.31	2742.67	2982.15	2996.5	3077.22	3553.36	4095.34

	Period	FY2026	FY2027	FY2028	As on FY2029	As on FY2030	As on FY2031	As on FY2032
ASSETS								
WDV of Fixed assets	1998.13	1998.13	1766.1	1566.79	1395.51	1248.23	1121.52	1012.45
Less : Depreciation	0	232.03	199.31	171.28	147.28	126.71	109.07	93.94
Net Fixed Assets	1998.13	1766.1	1566.79	1395.51	1248.23	1121.52	1012.45	918.51
Current Assets								
Raw Material		102.64	90.98	90.98	90.98	93.31	99.14	104.98
Consumables Stores And Spares		2.2	1.95	1.95	1.95	2	2.13	2.25
Stock in Process (Month's Cost of Production)		48.1	43.62	42.97	42.48	43.03	45.11	47.27
Finished Goods (Month's Cost of sales)		92.35	87.44	86	85.01	86.02	90.05	94.36
Export Receivables		0	0	0	0	0	0	0
Receivables other than Exports		103.95	99.07	98.28	98.28	100.64	106.71	113.01
Total Current Assets	0	349.24	323.06	320.18	318.7	325	343.14	361.87
Cash & Bank Balance	45.52	442.97	852.82	1266.46	1429.57	1630.7	2197.77	2814.96
Preliminary Expenses not written off	0	0	0	0	0	0	0	0
TOTAL ASSETS	2043.65	2558.31	2742.67	2982.15	2996.5	3077.22	3553.36	4095.34

	Const. Period	As on FY2026	As on FY2027	As on FY2028	As on FY2029	As on FY2030	As on FY2031	As on FY2032
Current Ratio (not considering installments of T/L as CL)		4.74	7.94	10.71	11.8	12.87	15.74	18.58
Current Ratio (considering installments of T/L as CL)		2.5	2.62	3.54	3.9	4.33	15.74	18.58
Debt Equity Ratio	2.76	1.3	0.68	0.36	0.19	0.05	0.05	0.04
Debt Equity Ratio (Considering Interest Free Unsecured Loans as Quasi Equity)	2.76	1.3	0.68	0.36	0.19	0.05	0.05	0.04
TOL/ TNW	2.76	1.46	0.78	0.43	0.25	0.11	0.1	0.09



Margin money for working capital and assessment of wc

Name of the Applicant : SIMPLEX ENGINEERING COMPANY

* Figures in Lakh (In Rupees)

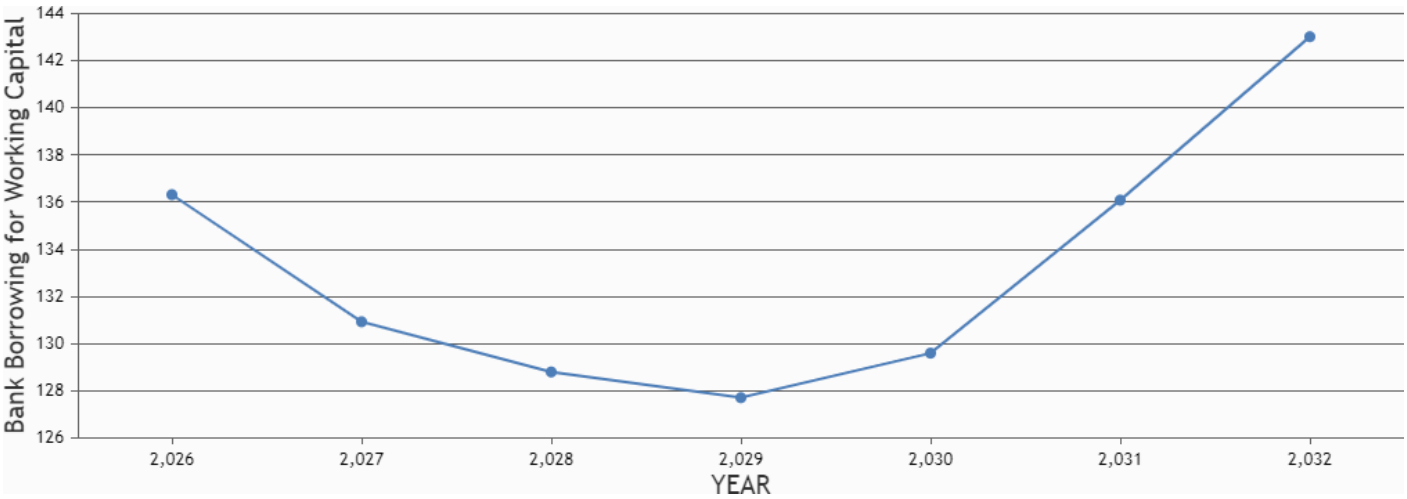
Particulars	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032
Gross sales (incl. Job Income)	2979.9	2839.94	2817.36	2817.36	2885.09	3058.91	3239.51
Total Working Capital Requirement (25% of Gross sales)	744.98	709.99	704.34	704.34	721.27	764.73	809.88
Margin Money for Working Capital (5% of Gross sales)	149	142	140.87	140.87	144.25	152.95	161.98
Permissible Bank Borrowing (20% of Gross sales)	595.98	567.99	563.47	563.47	577.02	611.78	647.9

	No. of Months	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032
Current Assets								
Raw material	1	102.64	90.98	90.98	90.98	93.31	99.14	104.98
Consumables stores and spares	0.25	2.2	1.95	1.95	1.95	2	2.13	2.25
stock in process (month's cost of production)	0.25	48.1	43.62	42.97	42.48	43.03	45.11	47.27
Finished goods (month's cost of sales)	0.5	92.35	87.44	86	85.01	86.02	90.05	94.36
Export Receivables	0	0	0	0	0	0	0	0
Receivables other than Exports	1.5	103.95	99.07	98.28	98.28	100.64	106.71	113.01
Total Current Assets (A)		349.24	323.06	320.18	318.7	325	343.14	361.87

	No. of Months	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032
Current Liabilities								
Creditors for Purchases	1.5	167.16	148.17	148.17	148.17	151.97	161.47	170.96
Total Current Assets (A)		167.16	148.17	148.17	148.17	151.97	161.47	170.96
Working Capital Gap (A-B)		182.08	174.89	172.01	170.53	173.03	181.67	190.91
Margin Money on Working Capital (25% Net Working Capital)		45.52	43.72	43	42.63	43.26	45.42	47.73
Bank Borrowing for Working Capital		136.56	131.17	129.01	127.9	129.77	136.25	143.18

Recommended Method - First Method of Lending

		FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032
Total Current Assets		349.24	323.06	320.18	318.7	325	343.14	361.87
Total Current Liabilities		167.16	148.17	148.17	148.17	151.97	161.47	170.96
Working Capital Gap		182.08	174.89	172.01	170.53	173.03	181.67	190.91
Margin Money on Working Capital		45.52	43.72	43	42.63	43.26	45.42	47.73
Bank Borrowing for Working Capital		136.56	131.17	129.01	127.9	129.77	136.25	143.18
Interest on Bank Borrowing for WC @	0%	0	0	0	0	0	0	0


Bank Borrowing for Working Capital
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YEAR

Depreciation chart

Name of the Applicant : SIMPLEX ENGINEERING COMPANY

* Figures in Lakh (In Rupees)

Calculation of depreciation on written down value method	Building	Plant & Machinery	Misc. Fixed Assets	Total
Original Cost	400	1100	120	1620
Contingencies	0	0	0	0
Allocation of Pre-operative Expenses	16.2	44.56	4.87	65.63
Total Value	416.2	1144.56	124.87	1685.63
Depreciation Rate	10%	15%	15%	
Depreciation for 2024	41.62	171.68	18.73	232.03
WDV	374.58	972.88	106.14	1453.6
Depreciation for 2025	37.46	145.93	15.92	199.31
WDV	337.12	826.95	90.22	1254.29
Depreciation for 2026	33.71	124.04	13.53	171.28
WDV	303.41	702.91	76.69	1083.01
Depreciation for 2027	30.34	105.44	11.5	147.28
WDV	273.07	597.47	65.19	935.73
Depreciation for 2028	27.31	89.62	9.78	126.71
WDV	245.76	507.85	55.41	809.02
Depreciation for 2029	24.58	76.18	8.31	109.07
WDV	221.18	431.67	47.1	699.95
Depreciation for 2030	22.12	64.75	7.07	93.94
WDV	199.06	366.92	40.03	606.01

	Building	Plant & Machinery	Misc. Fixed Assets	Total
Depreciation Rate	10%	15%	15%	
Cost	416.2	1144.56	124.87	
Depreciation for 2024	41.62	171.68	18.73	232.03
WDV	374.58	972.88	106.14	
Depreciation for 2025	37.46	145.93	15.92	199.31
WDV	337.12	826.95	90.22	
Depreciation for 2026	33.71	124.04	13.53	171.28
WDV	303.41	702.91	76.69	
Depreciation for 2027	30.34	105.44	11.5	147.28
WDV	273.07	597.47	65.19	
Depreciation for 2028	27.31	89.62	9.78	126.71
WDV	245.76	507.85	55.41	
Depreciation for 2029	24.58	76.18	8.31	109.07
WDV	221.18	431.67	47.1	
Depreciation for 2030	22.12	64.75	7.07	93.94
WDV	199.06	366.92	40.03	

Interest on term loan monthly

Name of the Applicant : SIMPLEX ENGINEERING COMPANY

* Figures in Lakh (In Rupees)

Term Loan Lakh (In Rupees)	1500
No. of Monthly Installments	60
Amount of Equal Installment	0
Rate of Interest	9
Proposed date of commencement of commercial production	01/04/2025
Date of first repayment	01/10/2025

EMI Count	Date	Opening Balance	Repayment	Closing Balance	Interest on Closing Balance	Annual Interest	Annual Installment
0	01/04/2025	1500	0	1500	11.1		
0	01/05/2025	1500	0	1500	11.47		
0	01/06/2025	1500	0	1500	11.1		
0	01/07/2025	1500	0	1500	11.47		
0	01/08/2025	1500	0	1500	11.47		
0	01/09/2025	1500	0	1500	11.1		
1	01/10/2025	1500	25	1475	11.27		
2	01/11/2025	1475	25	1450	10.73		
3	01/12/2025	1450	25	1425	10.89		
4	01/01/2026	1425	25	1400	10.7		
5	01/02/2026	1400	25	1375	9.49		
6	01/03/2026	1375	25	1350	10.32	131.09	150

EMI Count	Date	Opening Balance	Repayment	Closing Balance	Interest on Closing Balance	Annual Interest	Annual Installment
7	01/04/2026	1350	25	1325	9.8		
8	01/05/2026	1325	25	1300	9.94		
9	01/06/2026	1300	25	1275	9.43		
10	01/07/2026	1275	25	1250	9.55		
11	01/08/2026	1250	25	1225	9.36		
12	01/09/2026	1225	25	1200	8.88		
13	01/10/2026	1200	25	1175	8.98		
14	01/11/2026	1175	25	1150	8.51		
15	01/12/2026	1150	25	1125	8.6		
16	01/01/2027	1125	25	1100	8.41		
17	01/02/2027	1100	25	1075	7.42		
18	01/03/2027	1075	25	1050	8.03	106.91	300
19	01/04/2027	1050	25	1025	7.58		
20	01/05/2027	1025	25	1000	7.64		
21	01/06/2027	1000	25	975	7.21		
22	01/07/2027	975	25	950	7.26		
23	01/08/2027	950	25	925	7.07		
24	01/09/2027	925	25	900	6.66		
25	01/10/2027	900	25	875	6.69		
26	01/11/2027	875	25	850	6.29		
27	01/12/2027	850	25	825	6.31		
28	01/01/2028	825	25	800	6.12		

EMI Count	Date	Opening Balance	Repayment	Closing Balance	Interest on Closing Balance	Annual Interest	Annual Installment
29	01/02/2028	800	25	775	5.54		
30	01/03/2028	775	25	750	5.73	80.1	300
31	01/04/2028	750	25	725	5.36		
32	01/05/2028	725	25	700	5.35		
33	01/06/2028	700	25	675	4.99		
34	01/07/2028	675	25	650	4.97		
35	01/08/2028	650	25	625	4.78		
36	01/09/2028	625	25	600	4.44		
37	01/10/2028	600	25	575	4.4		
38	01/11/2028	575	25	550	4.07		
39	01/12/2028	550	25	525	4.01		
40	01/01/2029	525	25	500	3.82		
41	01/02/2029	500	25	475	3.28		
42	01/03/2029	475	25	450	3.44	52.91	300
43	01/04/2029	450	25	425	3.14		
44	01/05/2029	425	25	400	3.06		
45	01/06/2029	400	25	375	2.77		
46	01/07/2029	375	25	350	2.68		
47	01/08/2029	350	25	325	2.48		
48	01/09/2029	325	25	300	2.22		
49	01/10/2029	300	25	275	2.1		
50	01/11/2029	275	25	250	1.85		

EMI Count	Date	Opening Balance	Repayment	Closing Balance	Interest on Closing Balance	Annual Interest	Annual Installment
51	01/12/2029	250	25	225	1.72		
52	01/01/2030	225	25	200	1.53		
53	01/02/2030	200	25	175	1.21		
54	01/03/2030	175	25	150	1.15	25.91	300
55	01/04/2030	150	25	125	0.92		
56	01/05/2030	125	25	100	0.76		
57	01/06/2030	100	25	75	0.55		
58	01/07/2030	75	25	50	0.38		
59	01/08/2030	50	25	25	0.19		
60	01/09/2030	25	25	0	0	2.82	150
	Grand Total		1500		399.74	399.74	1500

Break even point

Name of the Applicant : SIMPLEX ENGINEERING COMPANY

* Figures in Lakh (In Rupees)

	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032
Production Capacity Utilization	88%	78%	78%	78%	80%	85%	90%
Total Income (incl. increase in SIP & FG)	3120.35	2830.55	2815.27	2815.88	2886.65	3065.02	3245.98
Variable Cost							
Raw material consumed	1231.72	1091.75	1091.75	1091.75	1119.74	1189.73	1259.71
Consumables spares	105.6	93.6	93.6	93.6	96	102	108
Power, Fuel & Other Utilities (Variable)	56.34	49.94	49.94	49.94	51.22	54.42	57.62
factory salaries and wages (variable)	48.38	42.88	42.88	42.88	43.98	46.73	49.47
Other Manufacturing Expenses	528	468	468	468	480	510	540
Other Variable Expenses	105.6	93.6	93.6	93.6	96	102	108
Selling, Packing & Distribution Expenses (Variable)	56.62	53.96	53.53	53.53	54.82	58.12	61.55
Interest on Bank Borrowing	0	0	0	0	0	0	0
Total Variable Cost	2132.26	1893.73	1893.3	1893.3	1941.76	2063	2184.35
Contribution	988.09	936.82	921.97	922.58	944.89	1002.02	1061.63
Fixed Cost							
Power, Fuel & Other Utilities (Fixed)	3.37	3.37	3.37	3.37	3.37	3.37	3.37
factory salaries and wages (fixed)	6.11	6.11	6.11	6.11	6.11	6.11	6.11

	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032
Repairs & Maintenance	39.75	40.54	41.35	42.18	43.02	43.88	44.76
Selling, Packing & Distribution Expenses (Fixed)	2.98	2.84	2.82	2.82	2.89	3.06	3.24
Depreciation	232.03	199.31	171.28	147.28	126.71	109.07	93.94
Administrative & Misc. Expenses	29.8	28.4	28.17	28.17	28.85	30.59	32.4
Interest on Term Loans	131.09	106.91	80.1	52.91	25.91	0	0
Interest on Interest Bearing Unsecured Loans	0	0	0	0	0	0	0
Lease Rentals	0	0	0	0	0	0	0
Total Fixed Cost	445.13	387.48	333.2	282.84	236.86	196.08	183.82
Break Even Point(% of installed capacity)	39.64%	32.26%	28.19%	23.91%	20.05%	16.63%	15.58%
Cash Break Even Point (% of installed capacity)	18.98%	15.67%	13.7%	11.46%	9.33%	7.38%	7.62%

Optimum year :	FY2032
BEP in the Optimum Year (%):	15.58%
Cash BEP in the Optimum Year (%) :	7.62%

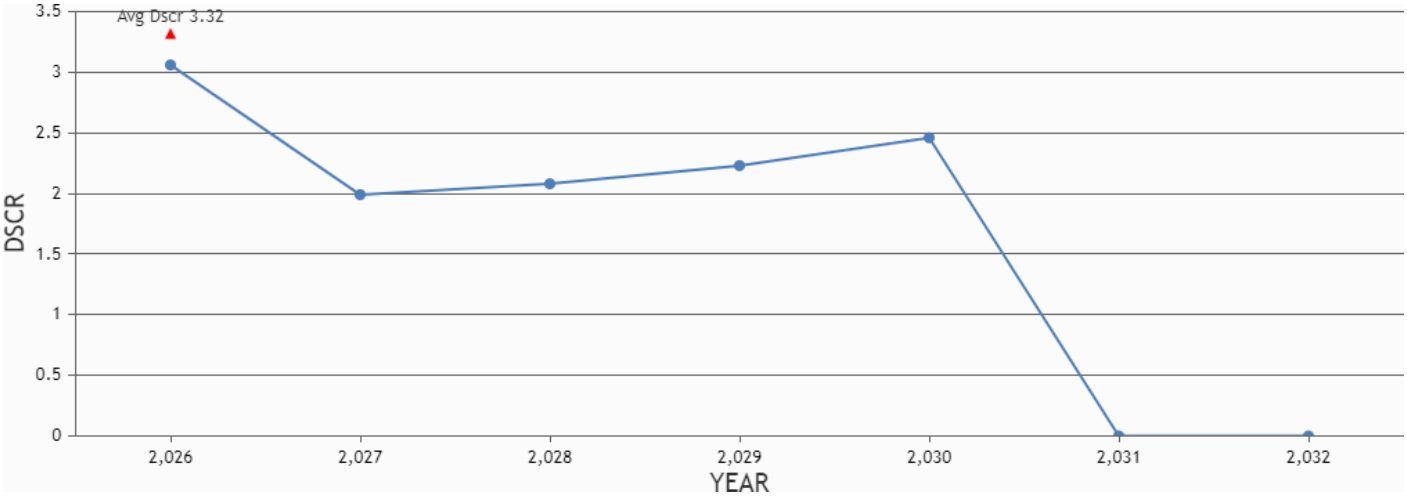
Calculation of debt service coverage ratio

Name of the Applicant : SIMPLEX ENGINEERING COMPANY

* Figures in Lakh (In Rupees)

	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	Total
Net Profit After Tax	497.5	503.35	539.48	586.18	648.75	738.47	804.32	
Non-cash Charges	232.03	199.31	171.28	147.28	126.71	109.07	93.94	
Interest on Term Loan	131.09	106.91	80.1	52.91	25.91	0	0	
Interest on Interest Bearing Unsecured Loans	0	0	0	0	0	0	0	
Lease Rentals	0	0	0	0	0	0	0	
Total A	860.62	809.57	790.86	786.37	801.37	847.54	898.26	5794.59
Interest on Term Loan	131.09	106.91	80.1	52.91	25.91	0	0	
Interest on Interest Bearing Unsecured Loans	0	0	0	0	0	0	0	
Repayment of Term Loan	150	300	300	300	300	0	0	1350
Repayment of Interest Bearing Unsecured Loans	0	0	0	0	0	0	0	0
Lease Rentals	0	0	0	0	0	0	0	
Total B	281.09	406.91	380.1	352.91	325.91	0	0	1746.92
DSCR	3.06	1.99	2.08	2.23	2.46	0	0	3.32

Average DSCR	3.32


Avg Dscr 3.32
3.5
3
2.5
2
1.5
1
0.5
0
DSCR
2,026
2,027
2,028
2,029
2,030
2,031
2,032
YEAR

Calculation of irr & npv

Name of the Applicant : SIMPLEX ENGINEERING COMPANY

* Figures in Lakh (In Rupees)

Irr Before Tax

	Const. Period	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032
OUTFLOWS								
Capital Expenditure	1917.5							
Increase in WC Gap		182.08	-7.19	-2.88	-1.48	2.5	8.64	9.24
Total Outflows	1917.5	182.08	-7.19	-2.88	-1.48	2.5	8.64	9.24
INFLOWS								
Profit before Tax		542.96	549.34	588.77	639.74	708.03	805.94	877.81
Depreciation/ Write offs		232.03	199.31	171.28	147.28	126.71	109.07	93.94
Interest		131.09	106.91	80.1	52.91	25.91	0	0
Lease Rentals		0	0	0	0	0	0	0
Salvage Value								587.6915
TOTAL INFLOWS		906.08	855.56	840.15	839.93	860.65	915.01	1559.44
NET FLOWS	-1917.5	724	862.75	843.03	841.41	858.15	906.37	1550.2

Irr Before Tax :	39.89
NPV (before tax):	2666.12
Discount Rate taken :	9%

Profitability Index (before tax) :	2.39

Irr After Tax

	Const. Period	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032
OUTFLOWS								
Capital Expenditure	1917.5							
Increase in WC Gap		182.08	-7.19	-2.88	-1.48	2.5	8.64	9.24
Total Outflows	1917.5	182.08	-7.19	-2.88	-1.48	2.5	8.64	9.24
INFLOWS								
Profit after Tax		497.5	503.35	539.48	586.18	648.75	738.47	804.32
Depreciation/ Write offs		232.03	199.31	171.28	147.28	126.71	109.07	93.94
Interest		131.09	106.91	80.1	52.91	25.91	0	0
Lease Rentals		0	0	0	0	0	0	0
Salvage Value								587.6915
TOTAL INFLOWS		860.62	809.57	790.86	786.37	801.37	847.54	1485.95
NET FLOWS	-1917.5	678.54	816.76	793.74	787.85	798.87	838.9	1476.71

Irr After Tax :	37.32
NPV (after tax) :	2390.74
Discount Rate taken :	9%
Profitability Index (after tax) :	2.25

Cost of capital

Name of the Applicant : SIMPLEX ENGINEERING COMPANY

* Figures in Lakh (In Rupees)

	Amount	Cost of Funds (%)	Tax Rate	Cost of Funds (Post-Tax)	Total Cost (Post Tax)
Partners Capital	543.65	15%	1	15%	81.55
Share Premium	0	15%	1	15%	0
Preference Share Capital	0	15%	1	15%	0
Equity Contribution	0	15%	1	15%	0
Interest free Unsecured Loans	0	15%	1	15%	0
Subsidy	0	15%	1	15%	0
Quasi-Equity Others (Pl Specify)	0	15%	1	15%	0
Term Loan	1500	9%	1	9%	135
Term Loan from Other Bank	0	0%	0.92	0%	0
Interest Bearing Unsecured	0	0%	0.92	0%	0
Internal Accruals (Optimum Year)	2.21	15	1	15%	0.33
Bank Borrowing for WC (Optimum Year)	143.18	0	1	0%	0
Total	2189.04				216.88
Cost of capital % :					0.1 %
Effective Tax Rate % :					0.08 %

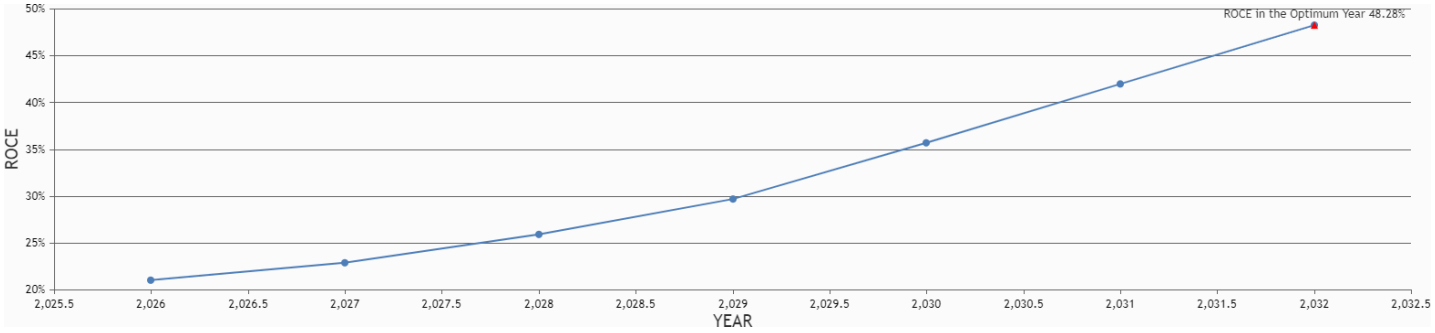
Return on capital employed

Name of the Applicant : SIMPLEX ENGINEERING COMPANY

* Figures in Lakh (In Rupees)

	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032
RETURN							
Operating Profit	542.96	549.34	588.77	639.74	708.03	805.94	877.81
Non-Operational Income	0	0	0	0	0	0	0
Interest	131.09	106.91	80.1	52.91	25.91	0	0
Lease Rentals	0	0	0	0	0	0	0
Total	674.05	656.25	668.87	692.65	733.94	805.94	877.81
Net Fixed Assets	1766.1	1566.79	1395.51	1248.23	1121.52	1012.45	918.51
Current Assets less Creditors	182.08	174.89	172.01	170.53	173.03	181.67	190.91
Total B	1948.18	1741.68	1567.52	1418.76	1294.55	1194.12	1109.42
ROCE	34.6%	37.68%	42.67%	48.82%	56.69%	67.49%	79.12%

ROCE in the Optimum Year	0.79%



Tax provision

Name of the Applicant : SIMPLEX ENGINEERING COMPANY

* Figures in Lakh (In Rupees)

	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030
PBT	542.96	549.34	588.77	639.74	708.03	805.94	877.81
Add: Depreciation (as per books)	232.03	199.31	171.28	147.28	126.71	109.07	93.94
Less: Depreciation as per Income Tax	232.03	199.31	171.28	147.28	126.71	109.07	93.94
Gross Taxable Income	542.96	549.34	588.77	639.74	708.03	805.94	877.81
Less: Loss brought forward	0	0	0	0	0	0	0
Taxable Income	542.96	549.34	588.77	639.74	708.03	805.94	877.81
Less: Profit from Exports (Deduction allowed u/s 80HHC)	391.44	396.04	424.46	461.21	510.44	581.03	632.84
Income after deduction u/s 80HHC	151.52	153.3	164.31	178.53	197.59	224.91	244.97
Less: Deduction u/s 80-IA	0	0	0	0	0	0	0
Net Taxable Income	151.52	153.3	164.31	178.53	197.59	224.91	244.97
Income Tax @ 30%	45.46	45.99	49.29	53.56	59.28	67.47	73.49
Surcharge	0	0	0	0	0	0	0
Total Income Tax (including Surcharge)	45.46	45.99	49.29	53.56	59.28	67.47	73.49
Education Cess @ 3%	0	0	0	0	0	0	0
Total Income Tax (including Surcharge & Education Cess)	45.46	45.99	49.29	53.56	59.28	67.47	73.49

Interest on interest bearing unsecured loans

Name of the Applicant : SIMPLEX ENGINEERING COMPANY

* Figures in Lakh (In Rupees)

Unsecured Loan Lakh (In Rupees)	0
No. of Equal Monthly Installments	84
Amount of Equal Installment	0
Rate of Interest	0
Proposed date of commencement of commercial production	01/04/25
Date of first repayment	01/04/25

EMI Count	Date	Opening Balance	Repayment	Closing Balance	Interest on Closing Balance	Annual Interest	Annual Installment
1	01/04/25	0	0	0	0		
2	01/05/25	0	0	0	0		
3	01/06/25	0	0	0	0		
4	01/07/25	0	0	0	0		
5	01/08/25	0	0	0	0		
6	01/09/25	0	0	0	0		
7	01/10/25	0	0	0	0		
8	01/11/25	0	0	0	0		
9	01/12/25	0	0	0	0		
10	01/01/26	0	0	0	0		
11	01/02/26	0	0	0	0		
12	01/03/26	0	0	0	0		

EMI Count	Date	Opening Balance	Repayment	Closing Balance	Interest on Closing Balance	Annual Interest	Annual Installment
13	01/04/26	0	0	0	0		
14	01/05/26	0	0	0	0		
15	01/06/26	0	0	0	0		
16	01/07/26	0	0	0	0		
17	01/08/26	0	0	0	0		
18	01/09/26	0	0	0	0		
19	01/10/26	0	0	0	0		
20	01/11/26	0	0	0	0		
21	01/12/26	0	0	0	0		
22	01/01/27	0	0	0	0		
23	01/02/27	0	0	0	0		
24	01/03/27	0	0	0	0		
25	01/04/27	0	0	0	0		
26	01/05/27	0	0	0	0		
27	01/06/27	0	0	0	0		
28	01/07/27	0	0	0	0		
29	01/08/27	0	0	0	0		
30	01/09/27	0	0	0	0		
31	01/10/27	0	0	0	0		
32	01/11/27	0	0	0	0		
33	01/12/27	0	0	0	0		
34	01/01/28	0	0	0	0		

EMI Count	Date	Opening Balance	Repayment	Closing Balance	Interest on Closing Balance	Annual Interest	Annual Installment
35	01/02/28	0	0	0	0		
36	01/03/28	0	0	0	0		
37	01/04/28	0	0	0	0		
38	01/05/28	0	0	0	0		
39	01/06/28	0	0	0	0		
40	01/07/28	0	0	0	0		
41	01/08/28	0	0	0	0		
42	01/09/28	0	0	0	0		
43	01/10/28	0	0	0	0		
44	01/11/28	0	0	0	0		
45	01/12/28	0	0	0	0		
46	01/01/29	0	0	0	0		
47	01/02/29	0	0	0	0		
48	01/03/29	0	0	0	0		
49	01/04/29	0	0	0	0		
50	01/05/29	0	0	0	0		
51	01/06/29	0	0	0	0		
52	01/07/29	0	0	0	0		
53	01/08/29	0	0	0	0		
54	01/09/29	0	0	0	0		
55	01/10/29	0	0	0	0		
56	01/11/29	0	0	0	0		

EMI Count	Date	Opening Balance	Repayment	Closing Balance	Interest on Closing Balance	Annual Interest	Annual Installment
57	01/12/29	0	0	0	0		
58	01/01/30	0	0	0	0		
59	01/02/30	0	0	0	0		
60	01/03/30	0	0	0	0		
61	01/04/30	0	0	0	0		
62	01/05/30	0	0	0	0		
63	01/06/30	0	0	0	0		
64	01/07/30	0	0	0	0		
65	01/08/30	0	0	0	0		
66	01/09/30	0	0	0	0		
67	01/10/30	0	0	0	0		
68	01/11/30	0	0	0	0		
69	01/12/30	0	0	0	0		
70	01/01/31	0	0	0	0		
71	01/02/31	0	0	0	0		
72	01/03/31	0	0	0	0		
73	01/04/31	0	0	0	0		
74	01/05/31	0	0	0	0		
75	01/06/31	0	0	0	0		
76	01/07/31	0	0	0	0		
77	01/08/31	0	0	0	0		
78	01/09/31	0	0	0	0		

EMI Count	Date	Opening Balance	Repayment	Closing Balance	Interest on Closing Balance	Annual Interest	Annual Installment
79	01/10/31	0	0	0	0		
80	01/11/31	0	0	0	0		
81	01/12/31	0	0	0	0		
82	01/01/32	0	0	0	0		
83	01/02/32	0	0	0	0		
84	01/03/32	0	0	0	0		
Grand Total			0		0	0	0

Margin on security & financial parameters

Name of the Applicant : SIMPLEX ENGINEERING COMPANY

* Figures in Lakh (In Rupees)

Value of Primary Security				
Land	262.5			
Site Development	50			
Buildings	400			
Plant & Machinery	1100			
Misc. Fixed Assets	120			
Pre-operative Expenses (excl. Deposits with Electricity Board)	65.63			
Provision for Contingencies	0			
Less: 50% Value of Moulds, if any	0	Hypothecation of P&M	Mortgage	
Value of Primary Security	1932.5	1220	712.5	
Term Loan	1500			
Term Loan from Other Bank	0			
Proportionate value of Primary Security for Bank	1932.5	1220	712.5	
Margin on Primary Security for Term Loan	22.38%			
Working Capital Limit recommended, if any	0			
Exposure to applicant unit (Term Loan & WC)	1500			Hypo. of Stocks & BD
Value of Stocks & Book Debts	0			0
Value of Primary Security for Term Loan and WC together	1932.5	1220	712.5	0

Value of Primary Security	
Margin on Primary Security for Term Loan and WC together	22.38%
BG/ LC Limit recommended, if any	0
Exposure to Associate Concerns	0
Total Exposure	1500

Collateral Securities		Hypothecation of P&M	Mortgage	Hypo. of Stocks & BD	FDR
(a) Value of Collateral Securities-Immovable Properties	0		0		
(b) Value of FDRs	0				0
(c) Value of Movable Fixed Assets of Associates	0	0			
(d) Value of Immovable Properties of Associates	0		0		
Total Value of Collateral Securities	0	0	0		0
Value of total Security	1932.5	1220	712.5	0	0
Margin on Overall Security	22.38%				
Overall Asset Coverage	1.29				
Net Value of Securities after hair cut					
Hypothecation of P&M	488				
Mortgage	498.75				
Hypo. of Stocks & BD	0				
FDR	0				
Total	986.75				
Net Asset Coverage	0.66				

Financial Parameters			
Promoters' Contribution (%)	26.6%		
Promoters' Contribution by Equity (%)	100%		
Debt-Equity Ratio (DER)	2.76		
Debt-Equity Ratio (Considering Interest Free Unsecured Loans as Quasi Equity)	2.76		
Maximum DSCR	3.06	Year	2026
Minimum DSCR	0	Year	2031
Avg. DSCR	3.32		
BEP	15.58%	Optimum Year	2032
Cash BEP	7.62%	Optimum Year	2032
ROCE %	79.12%	Optimum Year	2032
Cost of capital	0.1		
IRR (Before Tax)	38.6		
IRR (After Tax)	35.59		
NPV (before tax)	2344.63		
NPV (after tax)	2069.25		
Profitability Index (before tax)	2.22		
Profitability Index (after tax)	2.08		
Capital Cost	1998.13		
No. of Employees	40		
Capital Cost per Employee	49.95		

	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032
Production Capacity Utilization	88%	78%	78%	78%	80%	85%	90%
Total Income	2979.9	2839.94	2817.36	2817.36	2885.09	3058.91	3239.51
Gross sales	2979.9	2839.94	2817.36	2817.36	2885.09	3058.91	3239.51
Net sales	2979.9	2839.94	2817.36	2817.36	2885.09	3058.91	3239.51
Gross Profit	906.08	855.56	840.15	839.93	860.65	915.01	971.75
Operating Profit	542.96	549.34	588.77	639.74	708.03	805.94	877.81
Interest	131.09	106.91	80.1	52.91	25.91	0	0
Depreciation	232.03	199.31	171.28	147.28	126.71	109.07	93.94
Profit after Tax (PAT)	497.5	503.35	539.48	586.18	648.75	738.47	804.32
Gross Cash Accruals	729.53	702.66	710.76	733.46	775.46	847.54	898.26
Net Worth	1041.15	1544.5	2083.98	2398.33	2775.25	3241.89	3774.38

Sensitivity Analysis

Name of the Applicant : SIMPLEX ENGINEERING COMPANY

	Percentage	DSCR	BEP	Cash BEP	ROCE	Cost of Capital
Base Case		3.32	15.58%	7.62%	79.12%	0.1

	IRR (before tax)	IRR (post tax)	NPV (before tax)	NPV (post tax)	Profitability Index (before tax)	Profitability Index (post tax)
Base Case	38.6	35.59	2344.63	2069.25	2.22	2.08

Future financial indicators

Name of the Applicant : SIMPLEX ENGINEERING COMPANY

* Figures in Lakh (In Rupees)

Promoter's Contribution As % Of Total Project Cost	0.27%
Der For The Project	2.76
Der For The Company As A Whole	2.76
Dscr Minimum	0
Dscr Maximum	3.06
Dscr Average	3.32
Break Even Point(Bep) % Of Installed Capacity	15.58%
Roce (Return On Capital Employed In The Optimum Year)	0.79%
Irr (Before Tax)	38.6
Irr (After Tax)	35.59
Cost Of Capital	0.1
Employment - Existing / Additional	40
Capital Cost Per Job	49.95

Sensitivity Analysis

	DSCR	IRR (post tax)	BEP	Cash BEP	ROCE
Base Case	3.32	35.59	15.58	7.62	0.79
Sales	4.11	48.55	15.58	7.62	79.12
Raw Material	3.32	35.59	15.58	7.62	79.12
Capacity Util	3.32	35.59	15.58	7.62	79.12

Output

Name of the Applicant : SIMPLEX ENGINEERING COMPANY

* Figures in Lakh (In Rupees)

Margin on Primary Security	22.38
Margin on Overall Security	22.38
Overall Asset Coverage	1.29
Promoters' Contribution (%) :	26.6
Promoters' Contribution by Equity (%)	100
Debt Equity Ratio (DER)	2.76
Debt-Equity Ratio (Considering Interest Free Unsecured Loans as Quasi Equity)	2.76
Maximum DSCR	0
Year	2026
Minimum DSCR	3.06
Year	2031
Avg. DSCR	3.32
BEP	15.58
Optimum Year	2032
Cash BEP	7.62
Optimum Year	2032
ROCE %	79.12
Optimum Year	2032
Cost of capital	0.1
IRR (Before Tax)	38.6
IRR (After Tax)	35.59

NPV (Before Tax)	2344.63
NPV (After Tax)	2069.25
Profitability Index (before tax)	2.22
Profitability Index (After tax)	2.08
Capital Cost	1998.13
No. of Employees	40
Capital Cost per Employee	49.95