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File No.: VIS (2024-25)-PL213-180-237

TECHNO-ECONOMIC VIABILITY STUDY REPORT

OF

PVC FLEX BANNER & PVC/WPC FOAM BOARD

MANUFACTURING PLANT

(16,800 MTPA & 3,500 MTPA)

VALUERS & TECHNO ENGINEERING C INSULTANTS (P) LTD.

SETUP BY

M/S APOLLO POLYVINYL PRIVATE LIMITED

- Corporate Valuers
- Business/ Enterprise/ Equity Valuations

REPORT PREPARED FOR

- Lender's Independent Engineers (LIE)
- Techno Economic Viability Consultants (IEV) 149401
- Agency for Specialized Account Monitoring (ASM)
- Project Techno-Financial Advisors

 Project Techno-Financial Advisors

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- Chartered Engineers
- Industry/ Irade Kehabilitation Consultants

 Industry/ Irade Kehabilitation Consultants

 Which report will be considered to be correct.
- NPA Management

Panel Valuer & Techno Economic Consultants for PSU Banks

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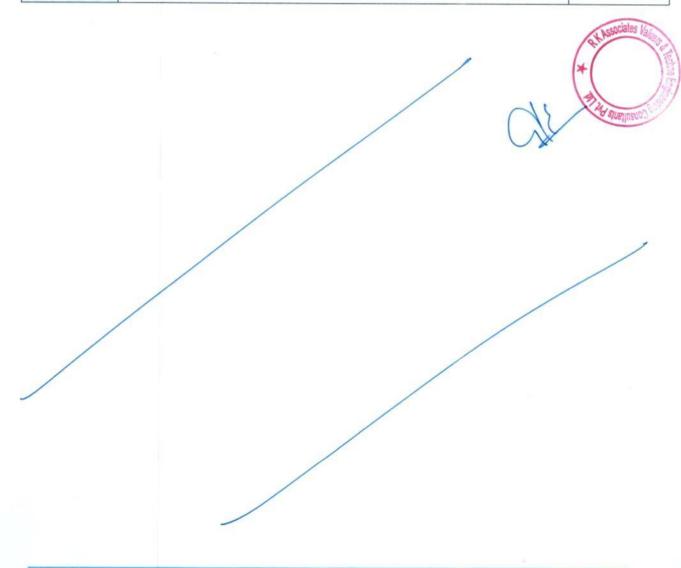
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PART A

REPORT SUMMARY

S. No.	PARTICULAR	DESCRIPTION
1.	Name of the Company:	M/s Apollo Polyvinyl Private Limited
2.	Registered Address:	No. 6, 3 rd Street, Balaji Nagar, Royapettah, Chennai, Tamil Nadu - 600014
3.	Project Name	PVC Flex Banner & PVC/WPC Foam Board Manufacturing Plant
4.	Project Location:	District No. 28, Siruvada Village, Gummdipoodi Taluk, Thiruvalluvar Distritct, Tamil Nadu - 601202
5.	Project Type:	PVC Flex Banner & PVC/WPC Foam Board Manufacturing Plant
6.	Project Industry:	Printed Signage & Interior Decoration
7.	Product Type / Deliverables:	PVC Flex Banner (PVC/WPC Foam Board unit has been leased out)
8.	Report Prepared for Organization:	Punjab National Bank (PNB), MCC Branch, Haridwar, Uttarakhand - 249401
9.	TEV Consultant Firm:	M/s. R.K Associates Valuers & Techno Engineering Consultants (P) Ltd.
10.	Report type:	Techno-Economic Viability Report
11.	Purpose of the Report:	To assess Technical & Economic Viability for the purpose of seeking external financial assistance to start a brown field Project.
12.	Scope of the Report:	To assess, evaluate & comment on Technical, Economical & Commercial Viability of the Project as per data information provided by the client, independent Industry research and collected.





		information available on publ	ic domain.
13.	Date of Report:	25 th July, 2024	
14.	Documents referred for the Project:	A. PROJECT INITIATION 1. Financial Projection 2. Project proposed So B. PROCUREMENT DOCU 1. Fixed Assets Sched 2. Process Flow Chart 3. Sanctioned map of the Last 5. Information Memora 6. Approved Resolution C. STATUTORY APPROVENCES a. Factory License	s of the Project chedule JMENTS: lule the site and andum n Plan
15.	Means of Finance:	Equity & Debt (D/E Ratio 2.5	8)
16.	Key Financial Indicators:	Key Indicators	Value
		Average DSCR (FY26-FY32)	1.62
		Average EBITDA Margin	9.34%
		Avg. PAT Margin	3.82%
		NPV & IRR	INR 18.14 Cr. & 20.73%
		Payback Period	4.60 years

Note: Above financial indicators are based on the financial projections of the proposed project provided by the firm and assessment and analysis of the same done by us.







PART B

INTRODUCTION

1. ABOUT THE REPORT:

This is a Techno-Economic Viability Study Report of the already established PVC Flex Banner (16,800 MTPA) & PVC/WPC Foam Board (3,500 MTPA) Manufacturing Plant at District No. 28, Siruvada Village, Gummdipoodi Taluk, Thiruvalluvar District, Tamil Nadu - 601202.

2. EXECUTIVE SUMMARY:

M/s Apollo Polyvinyl Private Ltd was incorporated on 17th May 2011 under the Company's Act, 1956 as per information provided by the client to carry on the business manufacturing and trading of printing materials such as Printing Flex, Foam Board & Celuka Board. The erstwhile promoter of the Company was Mr. Sunil Kapoor.

As per information shared by the client, Mr. Sunil Kapoor, the promoter of Kapoor Imaging Pvt Ltd who has been in the supply of consumable to the printing industry expanded into importing and supplying Polyvinyl flexible sheets for making banners and looking at the response contemplated a backward integration to go for manufacture of the sheets and set up this company. PVC/WPC boards is a related and ancillary business. The company went into production in 2017 and the turnover in the best years were INR 47.37 Cr and INR 49.94 Cr for FY2018 and FY2019 respectively.

The production stopped shortly thereafter with ban on the use of PVC flexes in Tamil Nadu which was followed by Kerala and Karnataka.

In 2019 the company had leased out the PVC/WPC foam board production facility to a company called M/s Konita Industries Pvt Ltd and the extended lease period ended in January 2024. The PVC Flex unit has thus remained unutilized for the past 5 years or so.

The company had availed credit facility from Canara Bank and State Bank of India. Subsequently the loan became an NPA, and the banks began recovery proceedings. SBI declared the company as a wilful defaulter.

An application CP (IB)/226(CHE)/2022 was filed under Section 7 of Insolvency and Bankruptcy Code, 2016 read with Rule 6 of the Insolvency and Bankruptcy (Application to Adjudicating Authority) Rules, 2016 by State Bank of India, SAMB, Chennai as the Financial Creditor to commence the Corporate Insolvency Resolution Process (CIRP) against M/s

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Apollo Polyvinyl Private Limited on the ground that the Company committed default in paying Financial debts falling due.

The said application for initiation of Corporate Insolvency Resolution Process was admitted by Hon'ble National Company Law Tribunal (NCLT), Chennai Bench, Court II vide its order dated 24th April 2023, wherein the CIRP of Company was commenced and Mr. Ashok Seshadri was appointed the Interim Resolution Professional (IRP) and was later confirmed as the Resolution Professional (RP).

An invitation for Expression of Interest ("Eol") for submitting resolution plans, in terms of Form G was issued as per Section 25(2)(h) of the IBC, 2016 read with Regulation 36A of the IBBI (CIRP) Regulations, 2016. Pursuant to the publication of the Form G by the Resolution Professional, the RP received Eol's from 16 Prospective Resolution Applicant (PRAs). However, only 6 of them provided detailed Expression of Interest. The information memorandum ("IM") was issued by the Resolution Professional to those 6 PRA's. The final list of PRAs included the names of 6 applicants viz.

- a) Subbulakshmi Investment Advisory Private Limited
- b) Navratan Speciality Chemicals LLP
- c) Siddivinayak Steels
- d) Cleena Industries Private Limited
- e) SPSS Infrastructure Private Limited
- f) Nakshatra Corporate Advisors Limit

The Resolution Plan of M/s Cleena Industries Private Limited along with addendum dated 19th December 2023 was approved by the Committee of Creditors (CoC) in the 9th CoC meeting on 19th December 2023 with 100% voting. The Resolution Plan was approved by Hon'ble National Company Law Tribunal (NCLT), Chennai Bench, Court II vide its order dated 24th June 2024 with the Resolution Plan value being INR 29.58 Crores.

M/s Apollo Polyvinyl Private Ltd has proposed to takeover this Brownfield project at Siruvada Village in Tamil Nadu, for PVC Flex Banner production. The PVC Flex Banner & WPC/PVC Foam Board Manufacturing Plant is proposed to be taken over at a total investment of INR 4,060.82 Lakhs, which is proposed to be funded through promoter's equity of INR 600.00 lakhs, unsecured promoter loan of INR 535.82 lakhs and term loan of INR 2,925.00 lakhs.





Brief snapshot of the financial position of M/s Apollo Polyvinyl as per the financial statements of FY2021 shared by the client is as under:

Snapshot of Financial Position of M/s Apollo Polyvinyl as of 31st March 2021				
Particulars Amount (INR Cr)				
Net worth	(24.22)			
Property, plant & equipment	53.67			
Total borrowings	65.63			
Total Assets	60.45			
Revenue for FY21	0.31			
Profit after tax for FY21	(8.87)			

As per information provided by the client, the plant has not been in operation for more than five years. The installed capacity of The PVC Flex Banner unit and WPC/PVC Foam Board is 16,800 MTPA and 3,500 MTPA respectively. In 2019, the Company had leased out the WPC/PVC Foam Board production facility to M/s Konita Industries Private Ltd and the extended lease period ended in January 2024. Current status of WPC/PVC Foam Board unit has not been provided to us by the new management.

As per information shared by the client/company, the erstwhile promoters had purchased ~35 acres of land at Siruvada village, Gummdipoondi Taluk, Thiruvallur District, Tamil Nadu. We have provided with sale deeds for ~33.76 acres only. As per information provided to us, factory building of ~80,000 Sq. Ft. is constructed and rest is surplus land. As per our technical assessment, built-up area of factory building is ~68,000 Sq. Ft only.

As per data/information provided to us, the company had obtained some Statutory Approvals/NOC's such as Factory License etc. from the respective authorities (Refer the section Statutory Approval in the later part of the report).

During the site visit, we found that condition of building & civil works and plant & machinery is good and major refurbishment is not required. Few items of plant and machinery were found missing at site (Kindly refer the site pictures captured during the survey attached in the later section of the report).

The power connection was surrendered to obviate the recurring demand charges. The lessee using the WPC/PVC foam board unit has taken a new power connection suitable for their use. The PVC Flex Banner unit plant needs about 1,200 Kw of power at full capacity to meet process energy requirement. Currently, the company is in the process to lapply for

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increase in power load connection. Company has planned to achieve the C.O.D by 01st November 2024.

At present, the company is in discussion with bank to fund the project through a term loan of INR 2,925 lakhs and working capital limit of INR 3,000 lakhs. In this regard Punjab National Bank (PNB), MCC Branch, Haridwar has appointed R.K. associates to assess the Techno-Economic Viability of the PVC Flex Banner & WPC/PVC Foam Board Manufacturing Plant for PVC Flex Banner & WPC/PVC Foam Board at District No. 28, Siruvada Village, Gummdipoodi Taluk, Thiruvalluvar District, Tamil Nadu - 601202. The company plans to achieve the financial closure by July 2024 (expected).

- PURPOSE OF THE REPORT: To assess Project's Technical and Financial Feasibility for lender's requirement.
- 4. SCOPE OF THE REPORT: To only assess, evaluate & comment on Technical & Financial Feasibility of the PVC Flex Banner & WPC/PVC Foam Board Manufacturing Plant being set up by M/s Apollo Polyvinyl Private Limited as per the information provided by the Company.

NOTES:

- Project status is taken as per the Site inspection carried out by our survey team.
- Scrutiny about the M/s Cleena Industries Private Limited (Acquiring Company) and M/s
 Apollo Polyvinyl Private Limited (Acquiree Company), background check, and credibility,
 credit worthiness of the company or its promoters is out-of-scope of this report.
- Any verification of the documents/ information from originals/ source is out-of-scope of this report.
- This report is only an opinion in respect to Technical and Financial Feasibility of the project as per the future Projections provided by the firm and independent analysis done by us and doesn't contains any recommendations including taking decision on the loan or any other financial exposure.
- This is not an audit activity of any kind. We have relied upon the data/ information shared by the company in good faith.
- Any review of the existing business of the new promoters (M/s Cleena Industries) is out of scope of this report.
- Detailed cost estimation or detailed cost vetting is out of scope of the project.
- This is not a Detailed Project Report or a detailed design or architecture document. Land and property details mentioned in the report is only for illustration purpose as per the information provided to us by the client. The same doesn't tantamount for taking any responsibility regarding its legality, ownership and conforming to statutory normalisates land.

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5. METHODOLOGY/ MODEL ADOPTED:

- Data/ Information collection.
- Review of Data/ Information collected related to TEV study.
- c. Independent review & assessment of technology used and financial projections provided by the company.
- d. Projections of Revenue, P&L, Balance Sheet, Working Capital Schedule, Depreciation Schedule, Loan Schedule as per the inputs given by the company and assessed by us.
- e. Calculation of key financial indicators and ratio analysis including DSCR, NPV & IRR and payback period of the project.
- Report compilation and Final conclusion.
- 6. DATA/ INFORMATION RECEIVED FROM: All the data/Information has been received from Mr. Tushar Bansal and the required details about him shown in the below table:

Particulars	Details		
Name	Mr. Tushar Bansal		
Company	M/s Cleena Industries Private Limited		
Email Address	catusharbansal@cleenaind.com		
Contact No.	+91-7060200262		

7. DOCUMENTS / DATA REFFERED:

- Financial Projections of the project up to FY 2033.
- b. Audited Financial Statement of M/s Apollo Polyvinyl for FY21
- c. Information Memorandum
- d. Approved Resolution Plan
- e. Promoter's Details.
- f. Total project cost & Production flow chart
- g. Sale deeds of the land, Fixed Assets Schedule
- h. Approved Site/Layout Plan.
- i. Certificates of Statutory approvals/NOC's.



C





PART C

COMPANY PROFILE

1. COMPANY OVERVIEW:

M/s Apollo Polyvinyl Private Ltd was incorporated on 17th May 2011 under the Company's Act, 1956 as an unlisted company limited by shares as per information provided by the client to carry on the business of manufacturing and trading of printing materials such as Printing Flex, Foam Board & Celuka Board. Below table shows the incorporation details of the company:

	Incorporation Details of the Company
Particular	Description
Company / LLP Name	M/s Apollo Polyvinyl Private Limited
Date of Incorporation	17 th May 2011
CIN	U74990TN2011PTC080650
Company Category	Unlisted Company limited by Share
Company Subcategory	Non-govt. company
ROC	Tamil Nadu
Registered Address	No .6, 3 rd Street, Balaji Nagar, Royapettah, Chennai, Tamid Nadu - 600014
Authorized Capital	INR 16,00,00,000/-
Paid up Capital	INR 5,23,13,600/-

Source: Ministry of Corporate Affairs (MCA) website

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As per Data/ Information provided by the company, the erstwhile promoter of the company was Mr. Sunil Kapoor and directors are Mr. Thiruvengadam Arumugham and Mr. Sadakathulla Khan Janijahankhan (powers suspended).

2. OVERVIEW OF THE SUCCESSFUL RESOLUTION APPLICANT:

M/s Cleena Industries was incorporated on 29th February 2016 under the Company's Act, 2013 as an unlisted company limited by shares as per information provided by the client to carry on the business of manufacturing of PVC Flex Sheeting used in displays (indoor and outdoor advertising), banners, building murals and in-store displays and exhibition booth decorations etc. with an installed capacity of 12,000 MT. pa. Below table shows the incorporation details of the company.





	Incorporation Details of the Company
Particular	Description
Company / LLP Name	M/s Cleena industries Private Limited
Date of Incorporation	29 th February 2016
CIN	UJ74900D12016PTC291860
Company Category	Unlisted Company limited by Share
Company Subcategory	Non-govt. company
ROC	Delhi
Registered Address	House No. 98, First Floor, Pocket 12, Sector 24, Rohini, New Delh - 110085
Authorized Capital	INR 10,00,00,000/-
Paid up Capital	INR 9,35,00,000/-
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Source: Ministry of Corporate Affairs (MCA) website

As per Data/ Information provided by the company, the promoters of the Company are Mr. Manoj Agarwal, Mrs. Rakhi Agarwal, Mr. Naman Agarwal, Mr. Sharad Gupta, Mrs. Alka Gupta, Mr. Anugrah Gupta, Mrs. Tanu Gupta, Mr. Ruchir Gupta, Mr. Pankaj Mittal and Mrs. Shivani Mittal. Directors of the Company are Mr. Anugrah Gupta (DIN: 08067597), Mrs. Alka Gupta (DIN: 06970531), Mr. Naman Agarwal (DIN: 07379508), Mr. Pankaj Mittal (DIN 01111116), Mrs. Shivani Mittal (DIN: 01499722) and Mr. Praveen Kumar (DIN: 09363342). As per the data/information provided by the client, current shareholding pattern is as below:

Shareholding Pattern of M/s Cleena Industries				
Name of Shareholder	No. of shares held	% of holding		
Mr. Manoj Agarwal	15,07,500	16.12%		
Mrs. Rakhi Agarwal	2,30,000	2.46%		
Mr. Naman Agarwal	6,00,000	6.42%		
Mr. Sharad Gupta	12,97,500	13.88%		
Mrs. Alka Gupta	7,50,000	8.02%		
Mr. Anugrah Gupta	2,90,000	3.10%		
Mrs. Tanu Gupta	20,00,000	21.39%		
Mr. Ruchir Gupta	3,37,500	3.61%		
Mr. Pankaj Mittal	19,75,000	21.12%		
Mrs. Shivani Mittal	3,62,500	3.88%		







3. KEY PROMOTER'S/DIRECTORS PROFILE OF THE SUCCESSFUL RESOLUTION APPLICANT:

The details of key promoters and directors of the successful Resolution Applicant, i.e., M/s Cleena industries Private Limited is given as under:

		(A) D	irectors/Promoters	Details	
Name	DIN	Age	Address	Designation	Contact Details
Mr. Sharad Gupta	06934424	59	419, Civil Lines, Roorkee	Promoter	+91 9897966545
Mr. Pankaj Mittal	01111116	52	304, Civil Lines, Roorkee	Promoter/ Director	+91 9012803695
Mr. Manoj Agarwal	00365337	66	200, Civil Lines, Roorkee	Promoter	+91 9837032355
Mr. Naman Agarwal	07379508	33	200, Civil Lines, Roorkee	Promoter/ Whole-Time Director	+91 9503311860
		(B) E	ducation & Experie	nce	
Mr. Sharad Gupta	 As per data/information shared by the client, he is an entrepreneur with post graduate degree in commerce. He has 26-year experience of running businesses like trading & manufacturing and also running college in Roorkee. He has sound net worth. 				
Mr. Pankaj Mittal	 Promoter of M/s Cleena Industries Private Limited Appointed as Director on 29th February 2016. As per data/information shared by the client, Mr. Pankaj Mittal has done MBA. He has 20-year experience in running businesses. He has dealership of Maruti and have 5 showrooms in India which are running successfully. He has sound net worth. He is also a Director in Shakumbari Autowheels Private Limited. 				
Mr. Manoj Agarwal	Promoter of M/s Cleena Industries Private Limited. Promoter of M/s Cleena Industries Private Limited. Promoter of M/s Cleena Industries Private Limited.				



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As per data/information shared by the client, Mr. Manoj Agarwal has
done M.E. from IIT. Roorkee which is a renowned Institution in India.
He has 26-year experience of running businesses. He is running Axa
Parentials Ltd. & Khushal Fertilizers Ltd. successfully from last 10 years.
He has sound net worth.
He is a Director in Khushhal Fertiliser Limited, Humanix Lifesciences
Private Limited and Prominent Fibres Private Limited.
Promoter of M/s Cleena Industries Private Limited.
 Appointed as Director on 01st April 2016.
As per data/information shared by the client, Mr. Naman Agarwal is a
B.Tech graduate.
He has 5 years' experience in Axa parentials ltd. which has goodwill in
the market.
He has sound net worth.

Source: Data/ Information provided by the company and extracted from MCA website.

Below tables shows the information of the companies with which each Promoter is associated to give a basic background detail of the promoters as found on public domain in general/ tertiary category research.

MR. SHARAD GUPTA

S. No	Company Name	Designation	Original Date of Appointment	Date Of Appointment at Current Designation
		-		

Source: Information extracted from MCA website & public domain.

MR. PANKAJ MITTAL

S. No	Company Name	Designation	Original Date of Appointment	Date Of Appointment a Current Designation
1	Cleena Industries Private Limited (CIN: U74900DL2016PTC291860)	Director	29 th February, 2016	29 th February, 2016
2	Shakumbari Autowheels Private Limited (CIN: U50200UR2015PTC001849)	Director	30 th December, 2015	30 th December, 2015

Source: Information extracted from MCA website & public domain.



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MR. MANOJ AGARWAL

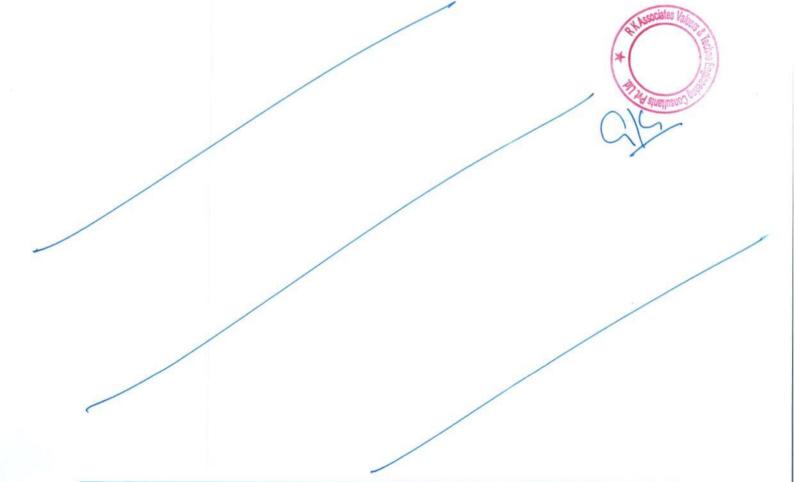
S. No	Company Name	Designation	Original Date of Appointment	Date Of Appointment at Current Designation
1	Khushhal Fertiliser Limited (CIN: U24122UR1983PLC006219)	Director	29 th September, 2018	29 th September, 2018
2	Humanix Lifesciences Private Limited (CIN: U24303DL2016PTC300216)	Director	01 st March, 2024	01 st March, 2024
3	Prominent Fibres Private Limited (CIN: U20299UR2021PTC014612)	Director	04 th February, 2021	04 th February, 2021

Source: Information extracted from MCA website & public domain.

MR. NAMAN AGARWAL

S. No	Company Name	Designation	Original Date of Appointment	Date Of Appointment at Current Designation
1	Cleena Industries Private Limited (CIN: U74900DL2016PTC291860)	Director	01 st April, 2017	01 st April, 2017

Source: Information extracted from MCA website & public domain.





M/S APOLLO POLYVINYL PRIVATE LIMITED



PART D

INFRASTRUCTURE DETAILS

1. LOCATION:

The PVC Flex Banner & WPV/PVC Foam Board Manufacturing Plant was set up by M/s Apolly Polyvinyl Private Limited Limited at District No. 28, Siruvada Village, Gummdipoodi Taluk, Thiruvalluvar District, Tamil Nadu - 601202, which is spread over an area ~35 acres as per the information provided to us by the company.

The property is having the proximity to the civic amenities such as school is situated ~0.8 km away, hospital is situated ~6 km away, market is situated ~6 km, railway station is situated ~19 km away and airport is situated ~71 km away from the plant location. Adjoining lands are agricultural lands. Connectivity Details of the Location is shown below:

Table: Connectivity Details of the Location						
Connectivity Details						
Road	Uthukottai-Gummudipoodi Highway- ~2.5 km away					
Rail	Gummidipoondi Railway Station - ~26 km away					
Airport	Chennai International Airport - ~73 km away					

Source: Google Map.

LOCATION MAP:

a) Google Map Location: The PVC Flex Banner & WPV/PVC Foam Board Manufacturing Plant is set up at District No. 28, Siruvada Village, Gummdipoodi Taluk, Thiruvalluvar District, Tamil Nadu – 601202 with GPS coordinates 13°23'56.9" North and 79°59'51.0" East as per the Google map attached below:





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b) Google Map Layout: Demarcation of the land using Google Maps is shown below. Exact Plant Boundary could not be demarcated as the plant is not demarcated by a permanent boundary wall. It is demarcated partially by wire fencing only.





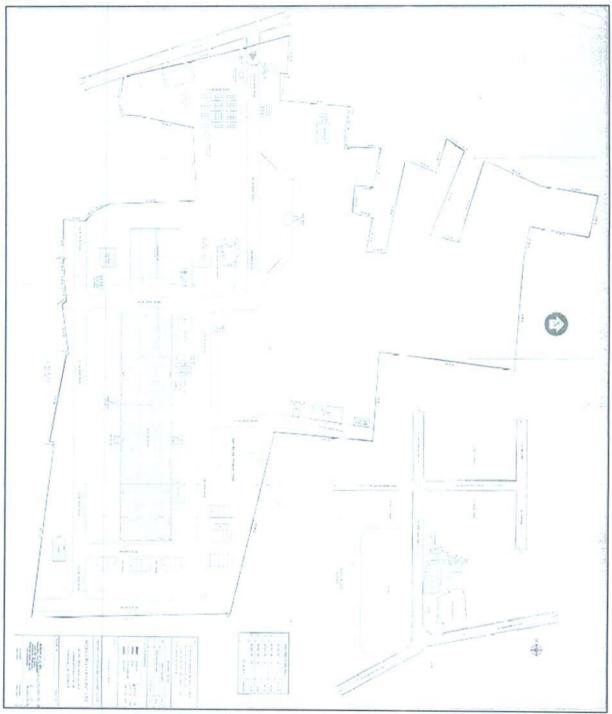
2. LAYOUT PLAN:

As per the data/information provided by the client/Company, the layout plan was prepared by the engineer Mr. A. Ravi. Approved layout plan has not been provided to us. For reference, layout plan provided to us has been attached below:



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3. LAND DETAILS:

As per information shared by the client/company, the erstwhile promoters had purchased ~35 acres of land at Siruvada village, Gummdipoondi Taluk, Thiruvallur District, Tamil. We have been provided with sale deeds for ~33.76 acres only. Land details as per the sale deeds are mentioned below:



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			of the state of th					Consideration
0	Date -	Document Type	Document No	Location	Survey No	Nature of Land	Area	(INR)
1	02-08-2012	Sale Deed	4233/2012	No 28, Siruvada Village, Gummidipoondi Taluk, Thiruvellore District, Patta No. 305	20/4B, 25/1A, 39/1C, 28/2B, 28/2B, 12/2	Punja	3 Acres 73 Cents	14,92,00
2	02-08-2012	Sale Deed	4234/2012	No 28, Siruvada Village, Gummidipoondi Taluk, Thiruvellore District, Patta No. 105	27/2A, 39/1A, 39/2E,40/2C	Punja	56 Cents	2,24,00
3	02-08-2012	Sale Deed	4235/2012	No 28, Siruvada Village, Gummidipoondi Taluk, Thiruvellore District,Patta No. 287	6/2, 6/3, 6/4, 6/5, 6/6, 6/7, 6/8, 6/9, 6/10, 6/11, 6/12, 6/13, 6/14, 6/15, 6/16, 6/17, 6/18, 6/19, 6/20, 6/21, 6/22, 7/3	Punja	7 Acres 56 Cents	30,24,00
4	02-08-2012	Sale Deed	4236/2012	No 28, Siruvada Village, Gummidipoondi Taluk, Thiruvellore District,Patta No.	28/1E, 25/2C, 21/3	Punja	1 Acre 04 Cents	4,16,00
5	02-08-2012	Sale Deed	4237/2012	No 28, Siruvada Village, Gummidipoondi Taluk, Thiruvellore District.Patta No. 304	35/3B, 27/5, 8/1D, 25/2A, 8/1D, 25/2A, 8/1B, 8/1F, 25/2B, 27/8, 27/7, 27/9, 34/2, 28/5, 28/4C, 8/1A Part, 34/11A, 10/4	Punja	5 Acres 49 Cents	21.96.00
6	02-08-2012	Sale Deed	4239/2012	No 28, Siruvada Village, Gummidipoondi Taluk, Thiruvellore District,Patta No. 303	11/3D, 11/5, 11/6A, 11/6B5, 11/6B9, 10/1, 39/2C, 40/3B, 40/1, 40/3D, 39/2A, 10/2, 10/3, 40/3C, 39/2B, 40/3A, 39/2D, 20/2C, 20/3A, 19/1, 20/4A, 38/4B3, 39/2F, 29, 24/1A, 24/1B, 24/2, 25/1B, 27/3A, 28/7, 28/1, 28/3A, 27/1D, 26/1, 27/3D, 27/1D, 27/4, 27/3C, 39/3, 27/1B, 27/2C, 40/2A, 27/2B, 39/1B, 40/2B, 9A, 11/2A, 11/6C, S.No.24/2, 27/1D, 39/3 - Three Well Value	Punja	14 Acres 38.5 Cents	56,55,50
7	31-10-2012	Sale Deed	6009/2012	No 28, Siruvada Village, Gummidipoondi Taluk, Thiruvellore District, Patta No. 36	11/1A, 11/1C, 11/1D, 11/3A, 11/3B, 11/3C, 11/7A, 11/7C	Punja	88 Cents	3,52,00
8	06-12-2013	Exchange Deed	6475/2013	Thiruvellore District, Kummidpoondi Circle, No. 16, Poovalampedu, Patta Nos 128 & 4	9/B1, 9/B2, 9/B3, 9/B4, 9/B5, 9/B6, 9/B7, 9/B8, 9/B9	Punja	2.31 Cents	9,24,00
q	13-02-2014	Sale Deed	603/2014	No 28, Siruvada Village, Gummidipoondi Taluk, Thiruvellore District, Patta No. 36		Punja	09 Cents	36,00

As per the audited financial statements of the company for the financial year 2021 shared with us, cost of land capitalised in books is ~INR 4.49 Cr. We have not been provided with fixed assets register or the latest audited/provisional balance sheet for verifying the cost as of date.

As per land sale deeds shared with us, INR 1.43 Cr is the consideration for cost of land. Company has considered INR 7.00 Cr as market value for computing project cost. However, client has not provided any cost breakup of the same. As per our technical assessment, fair market value of ~33.76 acres of land is ~INR 10.13 Cr after considering guideline rate of INR 30 lakhs per acre.



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4. SITE PICTURES: Site pictures were captured during the site survey on 17th July 2024, for reference few of the pictures are attached below:





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World's Brit fully digital Automated Platform for Integrating Valuation Life Cycle - A product of R.K. Associates









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5. BUILDING & CIVIL WORKS:

According to the information shared by the client, the plant is spread over an area of ~80,000 sq. ft. As per evaluation done by us during site survey on 17th July 2024, built-up area of factory building is ~68,000 sq. ft. only.

Description	Type of Structure	Total Floors	Built-up Area(Sqm)	Built-up Area (Sqft)	Height (Mtr)
Main Shed	GI Shed	1	3,267	35,166	12
Main Shed RCC Block	RCC	G+2	827	8,902	5
Boiler	Shed	1	420	4,521	13
Panel Room	RCC	1	201	2,164	5
PVC Foam Boad Shed	GI Shed	1	1,604	17,265	9
			6,319	68,018	neistan I/

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Approved building layout plan (building permit) has not been shared with us. As per the audited financial statements of the company for the financial year 2021 shared with us, the depreciated cost of factory building is ~INR 4.49 Cr. We have not been provided with fixed assets register or the latest audited/provisional balance sheet for verifying the cost as of date. Company has considered INR 10.08 Cr as market value for computing project cost, however client has not provided any cost breakup of the same.

As per our technical assessment, fair market value of building having built up area of ~68,000 sq. ft. is ~INR 9.95 Cr. Thus the cost of Building & Civil works is in the line with benchmark based on the prevailing market rates.

Description	Type of Structure	Total Floors	BUA (Sqm)	Height (Mtr)	YoC	CoC/sqft	Eco. Life	Sal. Value	Age	RCN	Dep.	DRC
Main Shed	GI Shed	1	3,267	12	2016	1800	45	90%	8	6,32,98,778	1,01,27,805	5,31,70,974
Main Shed RCC Block	RCC	G+2	827	5	2016	2000	60	90%	8	1,78,03,656	21,36,439	1,56,67,217
Boiler	Shed	1	420	13	2016	1200	45	90%	8	54,25,056	8,68,009	45,57,047
Panel Room	RCC	1	201	5	2016	1500	60	90%	8	32,45,346	3,89,442	28,55,904
PVC Foam Boad Shed	GI Shed	1	1,604	9	2016	1600	45	90%	8	2,76,24,730	44,19,957	2,32,04,773
Total			6,319							11,73,97,566	1,79,41,650	9,94,55,916

During the site visit, we found that factory building is in good order and no major repair cost would be required.

6. PLANT & MACHINERY/ EQUIPMENTS DETAILS:

As per the audited financial statements of the company for the financial year 2021 shared with us, the depreciated cost of plant and machinery, electrical equipment, furniture and office equipment, computers, vehicles etc. is ~INR 33.40 Cr.

However, company has considered INR 12.50 Cr as market value of existing machinery & equipment for computing project cost. We have not been provided with fixed assets register or the latest audited/provisional balance sheet for verifying the cost as of date or other details such as equipment name, manufacturer name, specification/capacity, landed price, age of the plant & machinery, etc.

The company's management has estimated cost of refurbishment and installation of old machines and new equipment as INR 5.00 Cr. But we have not been provided the details of equipment, plant & machinery along with expected cost and suppliers or any quotations for the same. List of main machinery and equipment as per the Information Memorandum is shown below:



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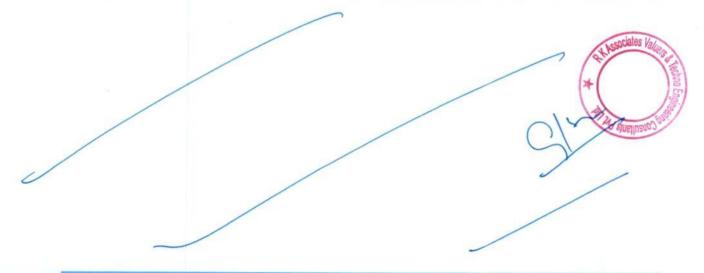


	List of Main Machinery	and Equipment
S. No.	Equipment	Supplier
1.	Flex film unit, year of manufacture 2016 complete with mixures, mixing roll machines, strainer extruder, Calender machine, post calendar cooler, and winding unit	Forward Machinery Industrial Corp., Taiwan
2.	Flex film laminator, consisting of main heating roller and a cooling roller. Year of manufacture 2016	Gaoming Hongyi Machinery Co Ltd, China
3.	Thermic Fluid heater. Year of manufacture 2017	Thermo Tech, India
4.	Air cooled Chiller, Year of manufacture 2016	Kirloskar, India
5.	Flex printing inkject printer. Year of commissioning 2017	Kenjet
6.	Transformer, Year of manufacture 2016. Present condition – power disconnected. Requires attention	Schneider Electricals
7.	Foam Board machinery along with die set. Two in number. One not working and the other one is used by the lessee	Quingdao Sanyi Plastic Machinery co Ltd, China
8.	Air compressors- two units. Year of Manufacture 2016	Atlas Capco, India
9.	Air receivers, plastic grinding machine, cooling tower, ETP,EOT and Fixed cranes, material lift, 250 KVA Generator	Various

Source: Data/information provided by the client.

Note: one foam board machinery is not working, and the other one is being used by the lessee (M/s Konita Industries Pvt Ltd).

As per our technical assessment, fair market value of existing machinery and other equipment basis the audited financial statements of financial year 2021 is ~INR 28.61 Cr.





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SNO	PARTICULARS	GB 31-03- 2021	NB 31-03- 2021	NB 31-03- 2019	Туре	You	Status	Category-4	Net Index	Age .	R -	97	RCN -	Dep.	DAC .	FMV -
1	25 TO 10	0.0000000000000000000000000000000000000				150		(R). MANUFACTURE OF MACHINERY AND								
_	Flex Machinery	40,45,46,192		-		2,016	Seen	EQUIPMENT	1.20	6.89	15	90%	48,73,19,699	20,15,06,696	28,58,13,003	25,72,31,703
	Building - Factory	17,86,63,585			-		Seen									
3	Land at Gummudipoondi -HOF	3,25,25,718			+		Seen					-				
4	Transformer Land and Development -HOF	1,34,18,968	37,26,050	-	Movable	2,016	Seen	Transformer	1.23	6.89	12	90%	1,65,64,661	85,61,859	80,02,802	72,02,522
6	PVC Foam Sheet Machine	1,23,67,972 93,64,960	-	-	Movable	2.047	Seen	Deleties much land	4.00	C 00	42	OCA!	1 02 02 000	50.00 500	40.00.000	4440.000
	PVC POBITI SHEEL MACHINE	33,04,360	66,45,730	72,08,891	Movable	2,017	Seen	Printing machinery (Q). MANUFACTURE OF	1.15	6.89	12	95%	1,07,83,893	58,83,587	49,00,306	44,10,275
7	Electrical & Fittings	90,68,937	24,54,827	41,18,845	Movable	2,017	Seen	ELECTRICAL EQUIPMENT	1.21	6.89	15	95%	1,09,36,794	47,73,607	61,63,187	55,46,869
	Manager and an artist and a state of the sta				Victoria Victoria			(Q). MANUFACTURE OF	7.00			COL				
8	Electricals & Fitting - Factory	82,72,687	23,42,682		Movable		Seen	ELECTRICAL EQUIPMENT	1.21	6.89	15	95%	99,76,546	43,54,485	56,22,061	50,59,855
9	PVC Foam Sheet Machine 3MM	54,84,564	38,49,911	The second second	Movable	-	Seen	Printing machinery	1.15	6.89	12	95%	63,15,558	34,45,707	28,69,851	25,82,866
10	Boiler - Factory	26,18,162	20,06,959	-	Movable	-	Seen	Boilers	1.00	6.89	12	95%	26,06,379	14,22,015	11,84,364	10,65,928
	UPS & Batteries - Factory	20,39,094	6,88,749		Movable	The state of the s	Seen	UPS in Solid State Drives	1.16	6.89	12	90%	23,74,181	12,27,155	11,47,026	10,32,324
12	Generator -Powrica Factory	18,17,493	5,15,182	8,43,239	Movable	2,017	Seen	Generators & Alternators	1.19	6.89	12	90%	21,67,796	11,20,480	10,47,317	9,42,585
13	Furniture & Fixtures - Factory	15,45,637	10,10,144	11,49,634	Movable	2,017	Not Seen	Light, medium & heavy commercial vehicles	1.00	6.89	8	95%	15,51,089	12,69,389	2,81,700	
14	Eicher Lorry - TN 06 F 6901 -HOF	15,20,694	76,035	1,15,201	Movable	2017	Not Seen	Light, medium & heavy commercial vehicles	1.00	6.89	8	arw	17 N/ N/ N/ N	12 12 22		
	Eicher Pro 1059XP - Factory	10,61,621	5,81,048		Movable		Not Seen	Passenger vehicles	1.17	6.89	12	95%	15,26,058	12,48,904	2,77,154	
-	Mahindra Bolero Car TN 06 K 8655 - HOF	8,73,850	1,64,637	- in the second second	Movable	-	Not Seen	Passenger vehicles	1.17	6.89	12	90%	12,42,261	6,42,094 5,28,525	6,00,167 4,94,014	-
-	Flex Printer KM NX 3200 - Factory	7,87,500	2,16,718	The second section is a second	Movable	-	Not Seen	Printing machinery	1.15	6.89	15	95%	9,06,818	3,95,801	5,11,017	
18	Polo Car TN 06 H 2293 - HOF	7,11,657	35,583	95,622	THE PERSON NAMED IN COLUMN 2 I	-	Not Seen	Passenger vehicles	1.17	6.89	12	90%	8,32,749	4,30,427	4,02,322	
19	Labour Quarters - Factory	6,95,869	6,26,054	-	Building	20001	Seen	Turrenger Fernance	4.4.1	0.03	44	JUN	0,34,743	4,30,421	4,02,322	-
				3,7,2				(R). MANUFACTURE OF MACHINERY AND								
20	Foam Board - Door Mould(850 MM)	6,90,247	5,90,951	6,32,459	Movable	2,017	Seen	EQUIPMENT	1.22	7.89	12	95%	8,39,993	5,24,791	3,15,201	2,83,681
21	Electricals & Fitting Staff Quarters - Factory	6,75,044	2,15,037	2 26 882	Movable	2,017	Case	(Q). MANUFACTURE OF ELECTRICAL EQUIPMENT							10.00000000	18/802012
	Air Conditoners - Factory	4,25,223	1,17,403		Movable	_	Not Seen	Air conditioner	1.21	6.89	15	95%	8,14,077	3,55,322	4,58,755	4,12,880
	1000	4,43,443	2,51,463	2,54,2.30	MOTABLE	2,010	MOC 36511	a. Manufacture of	1.07	0.89	8	95%	4,56,790	3,73,830	82,960	
23	Camera & Biomatric - Factory	3,53,630	1,09,694	1.73.524	Movable	2.017	Not Seen	electronic components	1.14	6.89	5	100%	4,02,101	4.00.101		
			4-9-1	4,0,00	MIOTO DE	Equat	HOC JOEN	e. Manufacture of measuring, testing,	2.24	5.63	3	100%	4,02,101	4,02,101		-
								navigating and control								
24	Electronic Weighing Scale - Factory	2,59,549	75,383	1,22,314	Movable	2,017	Seen	equipment	1.16	7.89	10	95%	3,01,230	2,25,835	75,395	67,856
TOTAL SECTION AND ADDRESS.	Air Conditoners -HOF	2,20,331	59,488	99,258	Movable	2,016	Not Seen	Air conditioner	1.07	6.89	8	95%	2,36,687	1,93,702	42,986	
-	ETO Crane - Factory	2,02,050	1,56,163	1,68,312	Movable	2,017	Seen	Cranes	1.39	6.89	12	95%	2,80,097	1,52,818	1,27,279	1,14,551
27	Computer Unit - Factory	1,83,692	9,185	16,287	Movable	2,017	Not Seen	Personal Computer (P.C.) (R). MANUFACTURE OF	1.00	6.89	5	100%	1,83,692	1,83,692	-	-
28	RO Water - Factory	1,66,500	74,707	1.04.760	Movable	2017	Not Seen	MACHINERY AND	4.20							
-	Motor - Factory	1,57,970	67,377		Movable	2,017		A C Motor	1.20	6.89	6	95%	2,00,567	1,90,539	10,028	
	, address,	3,37,270	07,377	33,832	MUVAUIE	2,017	Seen	f. Manufacture of other	1.24	6.89	8	95%	1,96,124	1,60,505	35,619	32,057
30	Factory Equipment	1,55,874	65,014	93 149	Movable	2,017	Sean	fabricated metal products	1.25	6.89		new	1.01.335	1.00.000	25.244	
	Computer Unit - HOF	1,40,570	7,028	-	Movable		Not Seen	Personal Computer (P.C.)	1.00	6.89	5	95% 100%	1,94,375	1,59,073	35,301	31,771
32	Lift	1,11,600	84,921		Movable	2,017		Material handling, lifting and hoisting equipment	1.15	6.89	12	95%	200000000	1,40,570	-	-
		4.3,00	0,000	Japon	точеск	2,011	Jeen	c. Manufacture of	1.15	0.83	12	93%	1,28,646	70,188	58,458	52,612
33	Walkie Talkie(Alinco) - Factory	82,440	22,981	37,861	Movable	2,017	Not Seen	communication equipment a. Manufacture of	1.26	6.89	5	100%	1,03,690	1,03,690		
34	Furniture & Fixtures	73,584	53,979	60.619	Movable	2,017	Not Seen	furniture	1.27	6.89	8	95%	93,481	76,504	16,978	
35	Honda Activa TN 06 V 0957 - HOF	67,112	48,310		Movable	THE RESERVE OF THE PERSON NAMED IN	Not Seen	Scooters	1.24	6.89	8	90%	93,481 82,903	64,276	18,627	9
36	Honda Activa 4G TN 06 U 6703	66,596	46,886	The second second second	Movable	-	Not Seen	Scooters	1.24	6.89	8	90%	82,266	63,782	18,484	
37	TVS Jupiter TN 06 U7545 - Factory	66,300	45,282		Movable	_	Not Seen	Scooters	1.24	6.89	8	90%	81,900	63,498	18,402	-
	Laptop - Manoj	58,490	2,925		Movable		Not Seen	Laptops	1.10	6.89	5	100%	64,197	64,197	10,402	-
39	Super Splendor TN 06 E 9922 - HOF	57,450	7,386	12,844	Movable		Not Seen	Motor cycles	1.40	6.89	8	90%	80,266	62,231	18,035	·
40	RO water 100 LPH - Factory	53,357	14,771	24 402	Movable	2012	Not See	(R). MANUFACTURE OF MACHINERY AND						121 222	2000	
			ALCO US	24,402	SIDEFUN		Not Seen	f. Manufacture of other	1.20	6.89	6	95%	64,274	61,061	3,214	
-	Tools - Factory	42,552	12,663		Movable	2,017	Seen	fabricated metal products	1.25	6.89	8	95%	53,062	43,425	9,637	8,673
	Laptop - Khezan	40,339	2,017	12,640	Movable	2,017	Not Seen	Laptops	1.10	6.89	5	100%	44,275	44,275	-	-
43	UPS - Hosur -HOF	35,000	1,750	5,607	Movable	2,017	Not Seen	UPS in Solid State Drives	1.16	6.89	8	95%	40,752	33,351	7,401	
		plication	Commit	See conse	-2: W.	2000		f. Manufacture of domestic							,,,,,,	
44	Blue Star Water Cooler - Factory	32,000	9,656	15,432	Movable	2,017	Not Seen	appliances f. Manufacture of domestic	1.08	6.89	6	95%	34,621	32,890	1,731	
45	Water Cooler Machine - Factory	20,800	5,034	8.788	Movable	2.017	Not Seen	appliances	1.08	6.89	6	95%	22,504	21,378	1.400	
				5,710	movaga;	2,027	HUL SEEII	(P). MANUFACTURE OF COMPUTER, ELECTRONIC	1.06	0.83	ь	30%	22,504	21,378	1,125	
46	EPABX BOARD -HOF	16,962	848	2,173	Movable	2,017	Not Seen	AND OPTICAL PRODUCTS	1.12	7.89	8	95%	19,072	17,873	1,199	2
47	whirlpool Cooling Machine - Factory	10,782	4,619	6,565	Movable	2,017	Not Seen	f. Manufacture of domestic appliances	1.10	7.89	6	95%	11,909	11,313	595	
	Cooler M-301 - Factory	9,000	7.500	7.00	Marrie 1	2.000		f. Manufacture of domestic	000	1100		500		- 4		
49	NAMED OF BUILTING	9.000	7,383	7.974	Movable		Not Seen			C 000	0	Acres	0.777	0.250		20
	Total		53,66,52,208			2,017	AUE SEEU	appliances	1.08	6.89	6	95%	9,737	9,250	487 32,06,74,190	

During our site visit on 17th July 2024, we found that most of the machinery and equipment are in good order and no major repair would be required. But few items of machinery and equipment out of the fixed assets schedule from the audited financials for FY2024 were found missing at site basis our broad observation as shown below:

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S. No.	Particulars	Net Block as on 31st March 2021
1.	Laptop - Manoj	2,925
2.	Camera & Biometric - Factory	1,09,694
3.	Furniture & Fixtures - Factory	10,10,144
4.	Super Splendor TN 06 E 9922 - HOF	7,386
5.	Honda Activa TN 06 V 0957 - HOF	48,310
6.	Honda Activa 4G TN 06 U 6703	46,886
7.	TVS Jupiter TN 06 U7545 - Factory	45,282
8.	Walkie Talkie(Alinco) - Factory	22,981
9.	Eicher Lorry - TN 06 F 6901 -HOF	76,035
10.	Polo Car TN 06 H 2293 - HOF	35,583
11.	Mahindra Bolero Car TN 06 K 8655 - HOF	1,64,637
12.	Eicher Pro 1059XP - Factory	5,81,048
	Total	21,50,911

7. UTILITIES: Details of Water, Electricity and other utilities are described as below:

a. ELECTRICITY:

As per the data/information provided to us by the client, Company current has power connection of 33 KVA power load. The Company would be needing 1200 KVA at full capacity. The Company would be applying for increase in capacity in near future before the COD date.

b. WATER:

We have not been provided with expected water consumption and water connection details by the client.

Thus, ~INR 0.25 Lakhs per metric ton will be the CAPEX for taking over the PVC Flex Banner & WPC/PVC Foam Board Manufacturing Plant including GST and pre-operative expenses.

However, as a TEV consultant, estimation/vetting of the project cost is out of scope of this TEV report, and we have relied upon the data/information provided by the client regarding Total Project cost.





PART E

PROJECT TECHNICAL DETAILS

CAPACITY OF THE PVC FLEX BANNER & WPC/PVC FOAM BOARD MANUFACTURING PLANT:

As per the data/information provided by the client, the PVC Flex Banner & WPC/PVC Foam Board Manufacturing Plant is set up with a designed capacity of 2,800 MT per month.

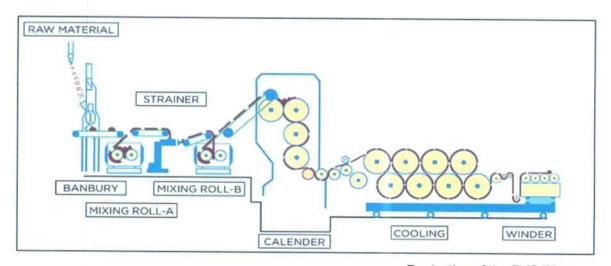
Capacity of the PVC Flex Banner & WPC/PVC Foam Board Manufacturing Plant					
Particular	Capacity				
PVC Flex Banners	12,800 MTPA				
WPC/PVC Foam Boards	3,500 MTPA				

2. PRODUCTION PROCESS OF PVC FLEX BANNERS:

The different steps involved in the production of the Flex banners are schematically shown below:

a) FABRICATION OF THE PVC FILMS:

The sequence of the various processes associated with the manufacture of the compound PVC films is illustrated below:



Production of the PVC Films Source: Life Cycle Study of Flex Banner and Its Impact on The Environment, IIT Delhi

The basic raw materials viz., CaCO3, PVC resin, additives and plasticizers are uniformly blended with the help of high-speed mixers so as to improve the processing quality. For further homogenization, the compound is fed into the Banbury mixer wherein it is

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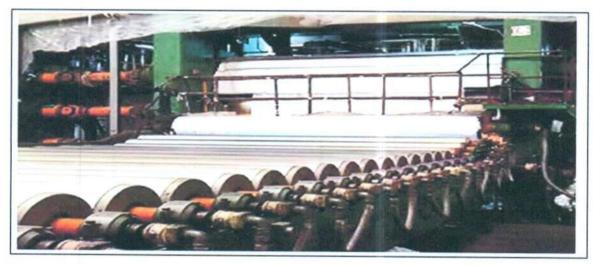
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subjected to high pressure and temperature. The Banbury mixer is a tangential mixing machine which has two slightly spiralled counter rotating rotors for proper mastication.

A rolling/reduction mill consists of rolls, gear box, motor, bearings, speed control devices and hydraulic systems. The basic configuration of a rolling mill is the two-high nonreversing wherein the rolls turn in only one direction. The two-high reversing mill has rolls that can rotate in both the directions so that the workpiece can be fed from either direction. The heated lump discharged from the Banbury mixer is placed in the nip formed between the rolls and the compound is mixed by cutting it off the rolls and refeeding it into the nip. The compound gets thoroughly blended in the roll mill at high shear resulting in complete homogenization and degassing. The material is then pressed between the two rolls to yield a thick sheet whose thickness depends on the gap between the rolls.

The material (in the form of a strip) is transported from the roll mill to the strainer extruder for further mixing and segregation of the impurities. It enters into the hopper and comes in contact with a rotating screw which pushes the material into the barrel towards the head of the extruder. The barrel is heated using the heating elements, the head is periodically cleaned and the sieves are changed accordingly.



Calendaring Machine Source: Life Cycle Study of Flex Banner and Its Impact on The Environment, IIT Delhi

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The five main components of an extruder are screw, extruder drive, barrel, feed hopper and die (tubing/ flat film). The helical screw is the most important part of an extruder which is employed for the transport, heating, melting and mixing of the plastics. The extruder drive is an electric motor that supplies power to rotate the screw. The stability and quality of the products are highly dependent on the design of the screw. The outer barrel is responsible for the heating and cooling functions. The feed hopper holds the

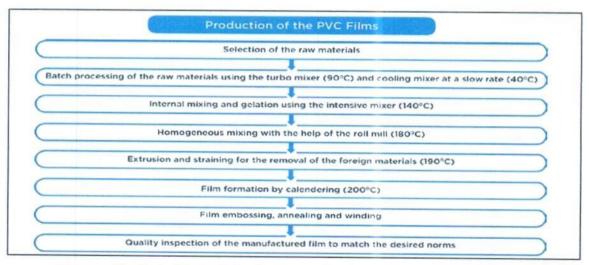




plastic pellets and ensures that they flow steadily into the barrel through the feed throat. The die is placed at the end of the extruder which determines the shape of the product. An additional roll mill is provided for better mixing thereby, improving the quality of the film.

The well mixed compound of PVC and calcium carbonate (feed stock) are transported to the calendering machine through a conveyor. Calendering is the process of compression of a thermoplastic material between two or more steel rolls at a particular temperature and pressure in order to fabricate sheets/films of required thickness and width. The temperature and the speed of the rolls influence the properties of the produced film. The film is then embossed, cooled using a series of cooling rolls and wound at an ambient temperature in the winding unit.

The calendering process is unique in its ability to manufacture very thin films possessing high quality, enhanced lustre, smooth surface, reduced air porosity and a large width of 4-6 m.



Source: Life Cycle Study of Flex Banner and Its Impact on the Environment, IIT Delhi

b) PRODUCTION OF THE POLYESTER FABRIC:

Knitting is the process used for the manufacture of the polyester fabric in the form of a series of intermeshed loops from the industrial or fully drawn yarns. The knitted fabrics are more stretchable than the woven fabrics. The fabric is made of weft and warp yarns of 150-200 D and stitching yarns of 70 D. The loops (building blocks) are formed from each yarn and are present along the length of the fabric. The parallel warp yarns are supplied in the form of sheets that are extracted from a single or multiple warp beams. The stitching yarns are fed to the needles using guide bars which swing laterally

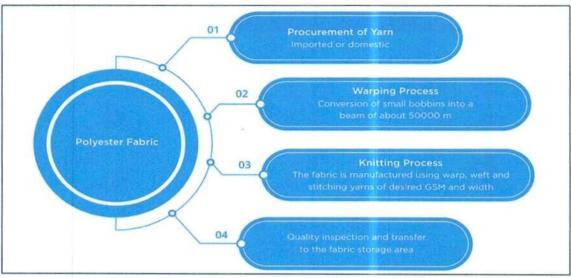
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Sheet Fabrication Technique Source: Life Cycle Study of Flex Banner and Its Impact on The Environment, IIT Delhi



Knitting of the Polyester Fabric Source: Life Cycle Study of Flex Banner and Its Impact on The Environment, IIT Delhi

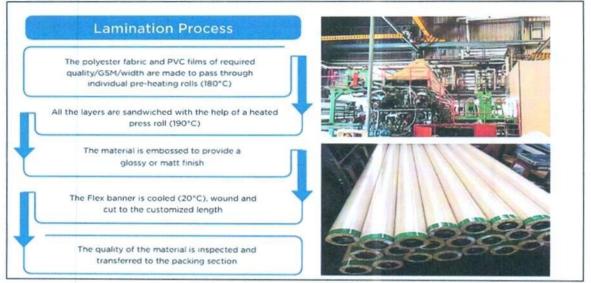
c) LAMINATION:

The polyester fabric is sandwiched between the two compounded PVC films by the thermal fusion process. The composite material hence obtained is the Flex banner which possesses improved strength, stability, insulation, appearance, surface and other important properties.



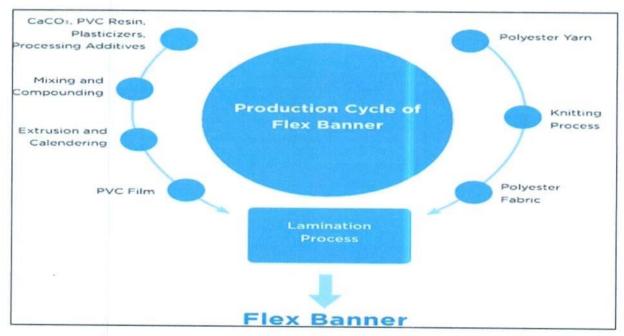
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Lamination Process Source: Life Cycle Study of Flex Banner and Its Impact on The Environment, IIT Delhi

PROCESS FLOW CHART OF PVC FLEX BANNER:



Source: Life Cycle Study of Flex Banner and Its Impact on The Environment, IIT Delhi

TECHNICAL SPECIFICATIONS OF THE PLANT:

We have not been provided with fixed assets register or the latest audited/provisional balance sheet for verifying the cost as of date or other details such as equipment name, manufacturer name, specification/capacity, landed price, age of the plant & machinery etc. Hence, we are unable to verify the technical specifications of the plant.



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5. TECHNOLOGY USED:

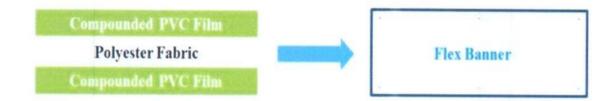
a) TECHNOLOGY SUPPLIER:

	List of Main Machinery and Equipment							
S. No.	Equipment	Supplier						
1.	Flex film unit, year of manufacture 2016 complete with mixures, mixing roll machines, strainer extruder, Calender machine, post calendar cooler, and winding unit	Forward Machinery Industrial Corp., Taiwan						
2.	Flex film laminator, consisting of main heating roller and a cooling roller. Year of manufacture 2016	Gaoming Hongyi Machinery Co Ltd, China						
3.	Thermic Fluid heater. Year of manufacture 2017	Thermo Tech, India						
4.	Air cooled Chiller, Year of manufacture 2016	Kirloskar, India						
5.	Flex printing inkject printer. Year of commissioning 2017	Kenjet						
6.	Transformer, Year of manufacture 2016. Present condition – power disconnected. Requires attention	Schneider Electricals						
7.	Foam Board machinery along with die set. Two in number. One not working and the other one is used by the lessee	Quingdao Sanyi Plastic Machinery co Ltd, China						
8.	Air compressors- two units. Year of Manufacture 2016	Atlas Capco, India						
9.	Air receivers, plastic grinding machine, cooling tower, ETP,EOT and Fixed cranes, material lift, 250 KVA Generator	Various						

Source: Information Memorandum shared by the client

b) TECHNOLOGY USED:

As informed to us by the client, the Company used to and is expected to produce PVC Flex Banner by laminating a polyester fabric between two compounded PVC films using hot rollers as shown below:



Adhering to the PVC flex banner, the upper and lower layers are formed into a PVC film, which is heated and pressed under the pressure of a heat roller to the middle of the light guide fiber web, and then cooled and formed. The biggest feature of this process is that it has excellent ink absorption and strong colour expression.





6. LATEST TECHNOLOGY/TECHNOLOGICAL ASSESSMENT:

Based on the production process, PVC flex banners are classified as

- Knife scrapping method: In this method PVC slurry is uniformly applied on both sides of base cloth (polyester) with a number of anti-squeegee blades and then combined them through a drying process and followed by cooling.
- Calendaring method: In the calendaring process, PVC powder and liquid plasticizer are mixed together, and then bonded with the base cloth by using a hot roller under pressure.
- Legal flex banner: The upper and lower layers of PVC films are bonded to the middle of the base fiber web under pressure using heated rollers and the final flex is formed by cooling.

Most of the flex banners that are available in today's market are prepared by laminating the PVC film on polyester cloth from both sides using hot rollers. The Company used to and is expected to produce PVC Flex Banner using the same technology.

Thus, as per the above technical assessment, M/s Apollo Polyvinyl is using the appropriate technology, which is a going on, recognized and trending in the market at present. It can be commented positively that the plant will be running smoothly. Technology & specification of the plant are matching with the need to run the plant smoothly and achieve the economies of scale.

7. TESTING STANDARDS FOR PRODUCTION:

As per communicated by client, company will be having a quality control Laboratory, wherein, they check the entire range on defined parameters like design, quality and finish. Production shall be done as per Standard Operating Procedures (SOP) of M/s Cleena Industries which shall be implemented in this plant as well. The Company expected to achieve quality management using the following process:

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Source: https://cleenaind.com/quality-management.aspx

MANPOWER:

Salary & Wages Expenses for the entire plant has been estimated by the client at INR 50.00 lakhs per month. Hence, annual salary & wages comes to INR 600.00 lakhs. Increment of 10% has been being assumed each year thereafter.

We have not been provided with an estimate of manpower requirement in terms of labour force required for operation of the plant by the client. We recommend the the bank to advice the client to submit a proposed manpower requirement for running the plant efficiently coals.



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PART F

PRODUCT PROFILE

INTRODUCTION:

Flex banners are highly preferred for low cost outdoor marketing of products/brands and promotion of events all over the world, including the developed economies viz., United States, European Union and Japan which have much stricter environmental policies and regulations. They are digitally printed with a wide range of rich colours to attract the attention of the people. They can be hung from an existing fixture, fixed to a wall or free standing.

Flex banners are made up of Polyvinyl chloride (PVC) and Polyester material. These flex banners are commonly called as vinyl flex banners. Flex banners have many advantages such as light in weight, good mechanical performance, low cost and widely used for indoor and outdoor signage, building signs and in store displays, trade show displays, outdoor displays and screen printing and billboard.

PRODUCT CATEGORY:

The Company is expected to have the same product line as M/s Cleena Industries as mentioned below:

a) FRONTLIT FLEX BANNER:

Frontlit flex banner material is used when you have lights pointing in the front of the banner.

		Frontlit Flex Banner	
	Specification	Product Features	Application
•	Available gsm: 240 gsm onwards	 White opaque substrate for frontlit display 	Displays (Indoor & Outdoor)
•	Width: 1.02 – 3.20 mtr	 Temperature / Weather (Uv, Rain and Frost) Resistant 	 Building Signs & In Store Displays
•	Standard roll length: 50 / 70 mtr	Soft & delicate surface	Screen Printing & Billboards
•	Surface: gloss/matte	Stable ink absorption	High-Resolution Posters
•	Lamination: hot / cold	Excellent Surface Smoothness	
		 Excellent Capability for All Kind Of Digital Printing Machine 	

Source: https://cleenaind.com/frontlit-flex-banner.aspx

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b) BACKLIT FLEX BANNER:

Backlit flex banner material is used when you have lights pointing in the back of the banner as shown below. It is white opaque substrate with high transmittance. They are specially coated for digital printing. They can be used outdoor and indoor with ease as they are weather resistant and water proof. More clear and visible image with back-light due to lower translucency.

	Backlit Flex Banner					
	Specification	Product Features	Application			
•	Available gsm: 480 gsm onwards	 Temperature / Weather (Uv, Rain & Frost) Resistant 	Large Format Billboard			
•	Width: 1.02 – 3.20 mtr	Compatible For All Solvent / Eco Solvent Printers	Exhibition Screen			
•	Standard roll length: 50/70 mtr	High Bonding Strength	Airport And Expressway Light Boxes			
•	Surface: gloss/ matte	Stable ink absorption	Backlit Bus Shelters			
•	Lamination: cold/ hot	 High Physical Performance In Tear Strength And Tensil Strength 				

Source: https://cleenaind.com/frontlit-flex-banner.aspx

c) BLOCKOUT FLEX BANNER:

PVC blockout flex banner roll material is a type of vinyl material that is used to create large, flexible banners for outdoor advertising and signage. The term "blockout" refers to the material's ability to block out light, making it ideal for double-sided printing.

	Blockout Flex Banner					
	Specification Product Features Application					
•	Available gsm: 320gsm onwards	 Temperature / Weather (Uv, Rain& Frost) Resistant 	Large Format Billboard			
•	Width: 1.02 – 3.20 mtr	Compatible For All Solvent / Eco Solvent	Trade Show Display			
•	Standard roll length: 50/70 mtr	High Bonding Strength	Outdoor Display			
•	Surface: gloss/ matte	Stable Ink Absorption	Airport & Express Way Light Boxes			
•	Lamination: cold / hot	High Colour Expressive Force	Screen Printing			
		 High Industrial Strength Yarn, Especially Suitable For Large Billboards 				
		Temperature / Weather (Uv, Rain& Frost) Resistant				

Source: https://cleenaind.com/frontlit-flex-bannelsaspx

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Valuation Terms of Service & Valuer's Important Remarks are available at www.rkassociates.org





d) BLACK BACK FLEX BANNER:

Speciality of the back black is fade proof and increased front light glow brightness.

	Black Back Flex Banner					
	Specification	Product Features	Application			
•	Available gsm: 280 gsm onwards	Temperature/ weather (uv, rain & frost) resistant	Large Format Billboard			
•	Width: 1.02 – 3.20 mtr	Compatible For All Solvent / Eco Solvent	Trade Show Display			
•	Standard roll length: 50/70 mtr	High Bonding Strength	Outdoor Display			
•	Surface: gloss/ matte	Stable Ink Absorption	 Airport & Express Way Light Boxes 			
•	Lamination: hot / cold	High Colour Expressive Force	Screen Printing			

Source: https://cleenaind.com/frontlit-flex-banner.aspx

e) GREY BACK FLEX BANNER:

Speciality of the grey black is excellent printing with blackout feature by blocking light through it.

	Grey Back Flex Banner				
	Specification	Product Features	Application		
•	Available gsm: 280gsm onwards	 Temperature/ Weather (Uv, Rain & Frost) Resistant 	Large Format Billboard		
•	Width: 1.02-3.20 mtr	Compatible For All Solvent / Eco Solvent	Trade Show Display		
•	Standard roll length: 50/70 mtr	High Bonding Strength	Outdoor Display		
•	Surface: gloss/matte	Stable Ink Absorption	Airport & Express Way Light Boxes		
•	Lamination: cold/ hot	High Colour Expressive Force	Screen Printing		

Source: https://cleenaind.com/frontlit-flex-banner.aspx

3. PRICING STRATEGY:

As informed to us by the Company, the Company will use the existing customer base of M/s Cleena Industries. Proposed selling price per unit of PVC Flex Banner estimated by the client is INR 1,12,000/MT or INR 112/Kg as shown in the below table:

Selling price per unit

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Products	Unit prices
Sale of PVC Flex banner	INR 1,12,000/MT

We have not been provided with sample invoices of PVC flex banner being sold by M/s Cleena Industries for verifying expected sale price. As per a study done by IIT Delhi, the average sale price for PVC Flex banner in domestic market is INR 100-125 per Kg. Thus, the estimated sale price is in line with the market price.

4. SELLING, MARKETING AND DISTRIBUTION PLAN:

The above products are already manufactured by the successful Resolution Applicant (M/s Cleena Industries) and have a very good demand in National as well as international market. The products manufactured by the successful Resolution Applicant are primarily sold for domestic use through the country. The Resolution Applicant has a significant presence in the southern states and other states and its esteemed customers include:

Top Customers of M/s Cleena Industries					
S. No.	Name	City	State		
1.	Vinod Trading Company	Bhiwandi	Maharashtra		
2.	Aditya Flex	Karur	Tamilnadu		
3.	MM Impex	Palghar	Maharashtra		
4.	Baba Flex	Srikakulam	Andhra Pradesh		
5.	Raj Marketing	Chennai	Tamilnadu		
6.	Mohit Industry	Mumbai	Maharashtra		
7.	Saraf Fabtrade	Jaipur	Rajasthan		
8.	Tirupati Enterprises	Patna	Bihar		
9.	Balaji Stickers	Vijaynagram	Andhra Pradesh		
10.	Chicago Flex	Ludhiana	Punjab		

Source: Data provided by the Company

The Company aims to leverage the client base of M/s Cleena Industries to sell its products across the country.



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PART G

FEEDSTOCK ANALYSIS

INTRODUCTION:

The major raw materials used to produce the PVC flex banner are polyvinyl chloride (PVC) resin, calcium carbonate, polyester fabric, plasticizers and additives.

2. FEEDSTOCK REQUIREMENT:

Major Constituents for producing Flex Banner are given below:

Major Constituents of a Flex Banner				
Materials	Composition (wt.%)			
Calcium Carbonate	36			
PVC Resin	33			
Polyester Fabric	18			
Plasticizers	9			
Additives	4			
Total	100%			

Source: Life Cycle Study of Flex Banner and Its Impact on the Environment, IIT Delhi

AVILABILITY OF FEEDSTOCK:

The Company expects to procure raw materials from the existing suppliers of M/s Cleena Industries as mentioned below:

List of expected raw material suppliers						
S. No.	Item	Grade	Supplier Details			
1.	PVC RESIN K-67	SG-5 CHINA LG LS100S JAPAN TK1000 FORMOSA S65D HANWA P1000	Anr International Avr Oversea Jai Pushpa Industrie Bgm Polymer Rishabh Triexim			
2.	PRIMARY PLASTICIZERS - DOP	Primary Plasticizers	Klj Plasticizer Payal Polyplas Aarti Industries			
3.	DINP	PRIMARY PLASTICIZERS	Klj Plasticizer Payal Polyplas			

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			Aarti Industries
4.	SECONDARY PLASTICIZERS	SGC-1009	Shree Ganesh Chemical
5.	LIQUID STABLIZER	BCR 3610	Baerlocher India Additives
6.	LIQUID STABLIZER	LX-481	Chemvera Speciality
7.	LIQUID STABLIZER	SUN - 8881A	Sar Global
8.	LIQUID STABLIZER	LX-110	Muskan Marketing
9.	SOLID STABILIZER	PP551	Synergy Poly Additives
10.	EXTERNAL LUBRICANT	GEMESOL	Meet Marketing Oswal Cable
11.	INTERNAL LUBRICANT	AC316A	Oswal Cable Connell Bros Invixo Chemical
12.	CARBON BLACK	P - 35 AND EMULSION	Ganpati Color Chem
13.	CALCIUM POWDER - FILLER	UNCOATED	Sona Micron Trinity Calcium Vishnu Vivek Marble Industries Obana Mineral
14.	TITANIUM DIOXIDE	B101 ANATASE SILVERSTAR	Ganpati Kolor Chem Shree Ganesh Chemical Swastik Polymer R K Polymer
15.	TITANIUM DIOXIDE	RUTILE RC - 800PG	Ganpati Kolor Chem Swastik Polymer R K Polymer
16.	ОВ	PIGMENT	Ganpati Kolor Chem
17.	UV STABLIZER	CYTEC	Gvs Envicon
18.	ULTRAMARINE BLUE	BLUE - PIGMENT	Ganpati Kolor Chem Oswal Cable Meet Marketing
19.	VOILET KBLB	KBLB - PIGMENT	Ganpati Kolor Chem Oswal Cable Meet Marketing
20.	RED	R-565 - PIGMENT	Ganpati Kolor Chem Oswal Cable Meet Marketing
21.	RED OXIDE COLOUR	PIGMENT	Khushal Fertilizer





			Ganpati	Kolor	Chem
22.	BLUE TONNER	PIGMENT	Oswal		Cable
			Meet Mark	eting	

Source: Data provided by the Company

4. PRICING STRATEGY:

As informed to us by the Company, the Company will use the existing supplier base of M/s Cleena Industries. The cost estimated by the client is INR 81,200/Ton or INR 81.2/Kg as is shown in the table below:

Raw material Cost @ 100% capacity					
Raw Material	INR/Ton	Annual Quantity	Amount INR		
Annual Consumption of raw material	81,200	16,800	1,36,41,60,000		
Total	Total INR 1,36,41,60,000				

We have not been provided with composition of raw material cost and the sample invoices for raw materials & consumables being purchased by M/s Cleena Industries from its suppliers for verifying the raw material prices. As per our tertiary research, expected raw material cost per Kg of Flex Banner is shown below:

Materials	Composition (wt.%)	Price per Kg	Amount	Reference
Calcium Carbonate	36%	10	3.6	https://www.vickyplast.com/calcium-carbonates.html
PVC Resin	33%	80	26.4	https://www.exportersindia.com/indian-suppliers/pvc- resin.htm#:~:text=What%20is%20the%20cost%20of%20PVC%20resins% 3F&text=The%20price%20of%20PVC%20resins,of%20the%20product.
Polyester Fabric	18%	200	36	https://www.pranerafabrics.com/plain-polyester-fabric-3040614.html
Plasticizers	9%	130		https://www.vickyplast.com/pvc-plasticizers.html
Additives	4%	95		https://www.metawaresindia.com/pvc-chemicals.html
	100%		81.5	

Thus, the estimated raw material price is in line with the market price.







PART H

INDUSTRY OVERVIEW

1. INTRODUCTION:

The Global Flex Banner Market was valued at USD 7.69 Billion in 2023 and is anticipated to project robust growth in the forecast period with a CAGR of 5.7% through 2029. The global flex banner market is experiencing significant growth and evolution as a result of expanding advertising and promotional activities across various industries. Flex banners, made from materials such as PVC, are widely used for outdoor advertising, events, and displays due to their durability, cost-effectiveness, and versatility. The market is driven by the increasing demand for visually appealing and vibrant advertising solutions, particularly in emerging economies where businesses are investing heavily in marketing to capture consumer attention. With the rise of digital printing technologies, flex banners can now feature high-quality graphics and designs, enhancing their attractiveness for promotional purposes.

Moreover, the flex banner market is witnessing innovations in materials and manufacturing processes to address environmental concerns. Sustainable and eco-friendly options are gaining traction as businesses and consumers become more environmentally conscious. Regulations and initiatives promoting the use of eco-friendly materials are also influencing the market dynamics. As a result, manufacturers are focusing on developing recyclable and biodegradable flex banner materials. This shift towards sustainability not only aligns with global environmental goals but also opens up new opportunities for market players to cater to the growing demand for green advertising solutions. Overall, the global flex banner market is poised for continued growth, fueled by advancements in printing technologies, increasing advertising expenditure, and the shift towards sustainable practices.

2. GROWTH DRIVERS:

• Expanding Advertising and Promotional Activities: One of the foremost drivers of the flex banner market is the global surge in advertising and promotional endeavors. As businesses across various industries intensify their efforts to capture consumer attention, the demand for visually striking and vibrant advertising solutions, such as flex banners, has witnessed a substantial uptick. Outdoor advertising, events, and displays are key areas where flex banners find extensive use, owing to their ability to convey messages effectively in high-traffic locations. The versatility of flex banners allows for easy customization, enabling businesses to create impactful marketing campaigns that align with their brand messaging and visual identity. In experiment

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economies, the rise of a burgeoning middle class has led to increased consumer spending, prompting businesses to invest heavily in marketing strategies, further fueling the demand for flex banners.

- Technological Advancements in Digital Printing: The advent and continuous evolution of digital printing technologies have revolutionized the flex banner market. Traditional printing methods are being overshadowed by digital alternatives that offer higher precision, better color reproduction, and the ability to print intricate designs. Digital printing not only enhances the aesthetic appeal of flex banners but also facilitates quick turnaround times, enabling businesses to implement time-sensitive marketing campaigns. With the ability to reproduce high-quality graphics, images, and text, digital printing has become a game changer in the flex banner industry. This technological leap has attracted a diverse range of businesses, from small enterprises to large corporations, seeking to elevate the visual impact of their advertising materials.
- Rise of Sustainable and Eco-Friendly Practices: Environmental consciousness is reshaping consumer preferences and industry practices, and the flex banner market is no exception. Concerns about the ecological impact of PVC-based materials have led to a growing demand for sustainable and eco-friendly alternatives. Governments and regulatory bodies are increasingly emphasizing the adoption of environmentally responsible practices, prompting manufacturers to explore greener options. As a result, there is a notable shift towards the development of flex banner materials that are recyclable, biodegradable, or made from sustainable sources. This not only aligns with global environmental goals but also caters to the preferences of a consumer base that values eco-friendly products. The integration of sustainability in flex banner manufacturing is not merely a response to regulations but also represents an opportunity for businesses to differentiate themselves in a competitive market.
- Regulatory Influence and Compliance: The flex banner market is significantly influenced by regulations and standards related to materials used in advertising and signage. Governments worldwide are increasingly implementing guidelines aimed at reducing the environmental impact of advertising materials. These regulations often focus on restricting or incentivizing the use of certain materials, with a specific emphasis on reducing non-recyclable waste. Manufacturers in the flex banner industry must navigate and adapt to these evolving regulatory landscapes to ensure compliance and sustain market relevance. Additionally, the alignment of businesses with environmentally friendly practices not only enhances their corporate image but

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also positions them favorably in markets where consumers are becoming more discerning about the ecological footprint of products and services.

3. CHALLENGES:

- Environmental Concerns and Sustainability Challenges: Perhaps the most pressing challenge confronting the flex banner market is the environmental impact of traditional PVC-based materials. PVC is known for its non-biodegradable nature and the release of harmful substances during production and disposal. As environmental awareness and sustainability concerns gain prominence globally, there is increasing scrutiny on industries that rely on materials with a high ecological footprint. The flex banner market is responding to this challenge by exploring alternative materials, such as bio-based polymers, recyclable plastics, and biodegradable options. However, transitioning to these alternatives poses its own set of challenges, including cost implications, availability of suitable materials, and ensuring the same level of durability and quality as traditional PVC-based flex banners.
- Stringent Regulatory Landscape: The flex banner market is navigating a complex and evolving regulatory landscape that seeks to address environmental concerns and ensure responsible manufacturing practices. Governments and regulatory bodies are imposing stringent guidelines on the use of certain materials, especially those with adverse environmental impacts. Compliance with these regulations not only necessitates adjustments in manufacturing processes but also involves a financial burden for businesses as they invest in research and development to create compliant and eco-friendly products. The diverse and often conflicting regulatory requirements across different regions further complicate the operational landscape for international players in the flex banner market, requiring them to adapt to varying standards and expectations.
- Market Saturation and Intense Competition: The flex banner market has witnessed significant growth over the years, leading to market saturation in certain regions and segments. As a result, businesses in the industry face heightened competition, compelling them to differentiate themselves through innovation, quality, and pricing strategies. The commoditization of flex banners, coupled with a multitude of players entering the market, intensifies the competitive landscape. Small and medium-sized enterprises, in particular, find it challenging to carve out a niche in a market where established players dominate. This saturation not only impacts profit

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margins but also forces companies to continuously innovate and offer unique value propositions to stand out in a crowded marketplace.

- Technological Disruptions and Adaptation: The rapid pace of technological advancements, while beneficial in enhancing the visual appeal and quality of flex banners, presents a challenge for manufacturers. The need to adapt to new printing technologies, materials, and design trends requires substantial investments in research, development, and employee training. Failure to keep pace with technological disruptions can lead to obsolescence and a loss of market relevance. Moreover, the integration of digital technologies in advertising, such as LED screens and interactive displays, poses a competitive threat to traditional flex banners. Adapting to these technological changes while maintaining cost-effectiveness and meeting client expectations is a delicate balance that challenges businesses operating in the flex banner market.
- Fluctuating Raw Material Costs and Supply Chain Challenges: The flex banner industry is susceptible to fluctuations in the costs of raw materials, particularly as it pertains to petroleum-based products like PVC. Volatility in oil prices can have a cascading effect on the production costs of flex banners, impacting the profit margins of manufacturers. Additionally, disruptions in the global supply chain, as witnessed in events like the COVID-19 pandemic, can lead to shortages and delays in the procurement of essential materials. Businesses in the flex banner market must navigate these uncertainties by implementing robust supply chain management practices, exploring alternative sourcing options, and developing contingency plans to mitigate the impact of unforeseen events on production schedules and costs.

4. CONCLUSION:

The Global Flex Banner Market is projected to record a CAGR of 5.7% through 2023 to 2029. In conclusion, the global flex banner market faces a spectrum of challenges that demand strategic responses from industry stakeholders. From environmental concerns and regulatory pressures to market saturation and technological disruptions, businesses in the flex banner market must navigate these challenges to ensure sustainable growth and relevance. Embracing innovation, adopting sustainable practices, and staying attuned to market trends are imperative for companies seeking to overcome these challenges and thrive in a rapidly evolving landscape.



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PARTI

SWOT ANALYSIS

	SWOT ANALYSIS - PVC FLEX BANNER MARKET
STRENGTHS	 Experience in Industry: The promoters are having experience of more than 8 years in the PVC flex banner & WPC/PVC foam board industry which can prove to be a huge strength in the long run. Low cost and efficient labour force: Skilled and efficient is available in India at a rather low cost as compared to other countries. Affordable form of advertisement: PVC flex banner is one of most affordable types of advertising.
WEAKNESSES	 Regulatory Approvals - Company will need to really for renewal or fresh licenses since most of them have expired. CAPEX: The would be set up by a high initial investment, in which ~37% capital would be required for working capital. Infrastructure Requirements: The project's power load and water consumption are significant, and ensuring uninterrupted power supply and adequate water resources may pose challenges. Negative net profit margins and declining revenue: M/s Cleena Industries posted negative net profit margins and declining revenue in FY23 which may prove to be a weakness.
OPPORTUNITIES	 Expanding Advertising and Promotional Activities: As businesses across various industries intensify their efforts to capture consumer attention, the demand for visually striking and vibrant advertising solutions, such as flex banners, has witnessed a substantial uptick. Technological Advancements in Digital Printing: Traditional printing methods are being overshadowed by digital alternatives that offer higher precision, better color reproduction, and the ability to print intricate designs. Digital printing not only enhances the aesthetic appeal of flex banners but also facilitates quick turnaround times, enabling businesses to implement time-sensitive marketing campaigns. Rise of Sustainable and Eco-Friendly Practices: Concerns about the ecological impact of PVC-based materials have led to a growing demand for sustainable and eco-friendly alternatives. Governments and regulatory bodies are increasingly emphasizing the apparence.



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environmentally responsible practices, prompting manufacturers to explore greener options. Environmental Concerns and Sustainability Challenges: PVC is known for its non-biodegradable nature and the release of harmful substances during production and disposal. As environmental awareness and sustainability concerns gain prominence globally, there is increasing scrutiny on industries that rely on materials with a high ecological footprint. Stringent Regulatory Landscape: Governments and regulatory bodies are imposing stringent guidelines on the use of certain materials, especially those with adverse environmental impacts. In India, PVC banners <100 microns are banned. In some states like Kerala, use of PVC banners is banned in entirety. Changes in regulatory environment can significantly impact PVC flex banner industry. THREATS Market Saturation and Intense Competition: The flex banner market has witnessed significant growth over the years, leading to market saturation in certain regions and segments. As a result, businesses in the industry face heightened competition, compelling them to differentiate themselves through innovation, quality, and pricing strategies. Technological Disruptions and Adaptation: Integration of digital technologies in advertising, such as LED screens and interactive displays, poses a competitive threat to traditional flex banners. Fluctuating Raw Material Costs and Supply Chain Challenges: The flex banner industry is susceptible to fluctuations in the costs of raw materials, particularly as it pertains to petroleum-based products like PVC. Volatility in oil prices can have a cascading effect on the production costs of flex banners, impacting the profit margins of manufacturers.







PART J

PROJECT COST AND MEANS OF FINANCE

As per data/information shared by the client, the PVC Flex Banner & WPC/PVC Foam Board Manufacturing Plant is proposed to be taken over by making an investment of INR 4,060.82 lakhs as shown in the below table along with Means of finance:

	Total Project Cost	
S. No.	Capital Cost Head	Amount (INR)
1	Land	₹ 7,00,00,000
2	Building	₹ 10,08,00,000
3	Plant & Machinery	₹ 12,50,00,000
4	Refurbishment and installation of old machines + New Equipment	₹ 5,00,00,000
5	Preoperative Expenses	₹ 10,00,000
6	Working Capital Margin (WCM)	₹ 5,31,88,329
7	Interest During Construction (IDC)	₹ 60,93,750
	TOTAL	₹ 40,60,82,079
	Means of Finance	
S. No.	Particular	Amount (INR)
1	Promoters' Equity	₹ 6,00,00,000
2	Unsecured Loan	₹ 5,35,82,079
3	Loan from Banks	₹ 29,25,00,000
	TOTAL	₹ 40,60,82,079
	Total Loan	₹ 34,60,82,079

Source: Data/Information provided by the company.

Notes:

- It is to be noted that the estimation/vetting of the project cost is out of scope of this TEV report, and we have relied upon the data/information provided by the client regarding Total Project cost.
- As per the audited financial statements of the company for the financial year 2021 shared with us, cost of land capitalised in books is ~INR 4.49 Cr. We have not been provided with fixed assets register or the latest audited/provisional balance sheet for verifying the cost as of date.

As per land sale deeds shared with us, INR 1.43 Cr is the consideration for cost of land, however, company has considered INR 7.00 Cr as market value for computing project cost. As per our technical assessment, fair market value of ~33.76 acres of land is ~INR 10 13 Cr after considering guideline rate of INR 30 lakhs per acre.





3. According to the information shared by the client, the plant is spread over an area of ~80,000 sq. ft. However, as per our technical assessment, built-up area of factory building is ~68,000 sq. ft. only. Approved building layout plan (building permit) has not been shared with us. As per the audited financial statements of the company for the financial year 2021 shared with us, the depreciated cost of factory building is ~INR 4.49 Cr.

We have not been provided with fixed assets register or the latest audited/provisional balance sheet for verifying the cost as of date. However, company has considered INR 10.08 Cr as market value for computing project cost. As per our technical assessment, fair market value of building having built up area of ~68,000 sq. ft. is ~INR 9.95 Cr.

4. As per the audited financial statements of the company for the financial year 2021 shared with us, the depreciated cost of plant and machinery, electrical equipment, furniture and office equipment, computers, vehicles etc. is ~INR 33.40 Cr. However, company has considered INR 12.50 Cr as market value of existing machinery & equipment for computing project cost.

We have not been provided with fixed assets register or the latest audited/provisional balance sheet for verifying the cost as of date or other details such as equipment name, manufacturer name, specification/capacity, landed price, age of the plant & machinery, etc. As per our technical assessment, fair market value of machinery and other equipment basis the audited financial statements of financial year 2021 is ~INR 28.61 Cr.

- 5. The company's management has estimated cost of refurbishment and installation of old machines and new equipment at INR 5.00 Cr. But we have not been provided the details of equipment, plant & machinery along with expected cost and suppliers or any quotations for the same.
- Therefore, company is proposing ~INR 0.25 Lakhs per metric ton CAPEX for the Plant including GST and pre-operative expenses.
- The project is proposed to be funded through a term loan of INR 29.25 crores, promoter's equity of INR 6.00 crores and unsecured loan from promoters of INR 5.36 crores.





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PART K

PROJECT IMPLEMENTETION SCHEDULE

Company has planned to achieve the C.O.D by 01st November 2024, as per the proposed implementation schedule shown in the table below:

S. No.	Particulars	Activity	Expected completion date	Status Pending	
1.	Sanction of Rupee Term Loan	Sanction of Rupee Term Loan and Working Capital Loan	July 2024		
_	Building & Civil	Site Plan preparation	2016	Completed	
2.	Works	Building & Civil Works completion	2016	Completed	
Plant &		Finalization of P&M suppliers for new machinery and refurbishment of old machinery	August 2024	Pending	
3.	Machinery	Orders to P&M suppliers	August 2024	Pending	
		Arrival of P&M	September 2024	Pending	
		Installation of P&M	September 2024	Pending	
		Utility Installation	October 2024	Pending	
4.	Statutory Approvals, registrations & NOCs	From the respective authorities	October 2024	Pending	
5.	Finishing & Trial Run	Informed by client	October 2024	Pending	
6.	Commercial Operation Date	Informed by client	01 st November 2024	Pending	

Notes:

- Schedule has been made as per feasibility to achieve different milestones.
- 2. Achievement of Milestone will depend on sanction of term loan as per proposed timeline.
- 3. For current status of statutory approvals, kindly refer the "Section L" of this report
- 4. As per this timeline, the expected C.O.D will be 01st November 2024.

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PART L

STATUTORY APPROVALS | LICENCES | NOC

As shown in the below table along with current status, following major approvals are required. However, the list is not exhaustive, and State/District Authorities may be approached for further clearances required (if any):

S. No.	REQUIRED APPROVALS	DATE REFERENCE NO.	STATUS (Approved/ Applied For/ Pending)
1.	Certificate of Incorporation Ministry of Corporate Affairs, Government of India	17 th May 2011 CIN: U74990TN2011PTC080650	Approved
2.	Land conversion to Industrial/Non agriculture Directorate of Town and Country Planning (DT & CP)	Not Available	Not Available
3.	Factory Registration and License Directorate of Industrial Safety and Health (DISH)	10 th April 2015 TUR 10171/15	Expired (31 st December 2019)
4.	Registration of Establishments for Employing Building and Other Construction Workers Directorate of Industrial Safety and Health (DISH)	Not Available	Pending
5.	Building Permit Concerned local development authority	Not Available	Pending
6.	Fire Safety - No Objection Certificate Fire and Rescue Services	Not Available	Pending
7.	Approval for Boiler Erector from Directorate of Boilers	Not Available	Pending
8.	Consent to Establish under Air (Prevention and Control of Pollution) Act, 1981 & Water (Prevention and	Not Available	Pending When the social socia





	Control of Pollution) Act, 1974 Tamil Nadu Pollution Control Board		
9.	Authorization for Handling Hazardous Wastes Tamil Nadu Pollution Control Board	Not Available	Pending
10.	Power Connection Tamil Nadu Generation and Distribution Corporation (TANGEDCO)	Not Available	Pending
11.	Water Connection Tamil Nadu Water Supply and Drainage Board (TWAD Board)	Not Available	Pending

Observation Notes:

- Company may need to reapply/ renew regulatory licenses and permits since they could have expired.
- We have not received copy of any license or permit other than factory license which expired on 31st December 2019.
- 3. Above is the only illustration of the major approvals sought or to be sought by the company. It should not be construed as the exhaustive list and in case any approval is missed to be mentioned then it is the sole responsibility of the company to keep the unit compliant with the necessary statutory approvals/ NOCs.





PART M

COMPANY'S FINANCIAL FEASIBILITY

1. PROJECTIONS OF THE FIRM:

The financial projections of the project are prepared from FY 2024-25 to FY 2032-33 based on the expected COD and loan tenor as per the best practice in industry to assess the financial feasibility of the project are elaborated below:

A. PROJECTED PROFIT & LOSS ACCOUNT:

(INR Lakhs)

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Financial Year	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Months	5	12	12	12	12
% Production	85%	85%	85%	90%	90%
Sale of PVC Flex banner	5331.2	16153.5	16315.1	17366.8	17622.0
Gross Annual Revenue	5331.2	16153.5	16315.1	17366.8	17622.0
1. Raw Material Consumed	4831.4	11646.3	11704.6	12455.4	12517.3
2. Changes in Inventory of Finished Goods	-1134.1	-62.5	-8.1	-81.5	-10.2
3. Power	229.5	556.3	561.9	600.9	606.9
4. Fuel	38.3	92.7	93.6	100.1	101.1
5. Consumables, Stores & Spares	327.3	793.3	801.2	856.8	865.4
6. Repair & Maintenance	75.0	198.0	217.8	239.6	263.5
7. Other Manufacturing Expenses	5.0	13.2	14.5	16.0	17.6
Total Variable Expenses	4372.3	13237.3	13385.5	14187.3	14361.6
1. Salary & Wages	250.0	660.0	726.0	798.6	878.5
General, Selling & Administrative Expenses	213.2	646.1	652.6	694.7	704.9
Total Fixed Expenses	463.2	1306.1	1378.6	1493.3	1583.3
Total Production Cost	4835.6	14543.5	14764.1	15680.5	15945.0
EBIDTA	495.6	1610.1	1551.0	1686.2	1677.0
Interest on Term Loan	121.9	272.5	231.5	188.5	143.5
Interest on Unsecured Loan	0.0	0.0	0.0	0.0	0.0
Interest on Working Capital Limit	125.0	300.0	300.0	300.0	300.0
Depreciation	185.7	346.1	299.0	258.6	223.8
Preliminary Expenses	0.8	2.0	2.0	2.0	22 sociates V



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PAT	46.6	516.0	537.6	701.3	754.1
Less: Taxation	15.7	173.5	180.8	235.9	253.6
PBT	62.3	689.5	718.4	937.1	1007.8

(Continued)

Financial Year	FY 2030	FY 2031	FY 2032	FY 2033
Months	12	12	12	12
% Production	90%	90%	90%	90%
Sale of PVC Flex banner	17798.2	17976.2	18156.0	18337.5
Gross Annual Revenue	17798.2	17976.2	18156.0	18337.5
1. Raw Material Consumed	12579.9	12642.8	12706.0	12769.5
Changes in Inventory of Finished Goods	-10.8	-10.2	-11.0	-9.2
3. Power	612.9	619.1	625.3	631.5
4. Fuel	102.2	103.2	104.2	105.3
5. Consumables, Stores & Spares	874.0	882.8	891.6	900.5
6. Repair & Maintenance	289.9	318.9	350.8	385.8
7. Other Manufacturing Expenses	19.3	21.3	23.4	25.7
Total Variable Expenses	14467.5	14577.7	14690.3	14809.1
1. Salary & Wages	966.3	1043.6	1127.1	1183.5
2. General, Selling & Administrative Expenses	711.9	719.0	726.2	733.5
Total Fixed Expenses	1678.2	1762.7	1853.3	1917.0
Total Production Cost	16145.7	16340.4	16543.6	16726.1
EBIDTA	1652.5	1635.8	1612.4	1611.4
Interest on Term Loan	96.5	48.5	6.2	0.0
Interest on Unsecured Loan	0.0	0.0	0.0	0.0
Interest on Working Capital Limit	300.0	300.0	300.0	300.0
Depreciation	193.8	167.9	145.6	126.4
Preliminary Expenses	1.2	0.0	0.0	0.0
PBT	1061.1	1119.4	1160.6	1185.1
Less: Taxation	267.1	281.7	292.1	298.3
PAT	794.0	837.7	868.5	886.8





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B. PROJECTED BALANCE SHEET:

Below table shows the Projected Balance Sheet of the PVC Flex and Foam Board Plant from the period FY 2024-25 to FY 2032-33. FY 2025 would be the implementation period of the project:

(INR Lakhs)

					(INK Laki
Financial Year	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Months	5 M	12 M	12 M	12 M	12 M
Equity	600.0	600.0	600.0	600.0	600.0
Reserve & Surplus	46.6	562.6	1100.2	1801.5	2555.6
Secured Loan	2525.0	2105.0	1665.0	1205.0	725.0
Unsecured loan	535.8	535.8	535.8	535.8	535.8
Trade Payables	1187.2	1223.3	1237.2	1327.0	1336.2
Term liabilities payable within one year	400.0	420.0	440.0	460.0	480.0
Working Capital Loan	3000.0	3000.0	3000.0	3000.0	3000.0
Total Equity & Liabilities	8294.7	8446.7	8578.2	8929.3	9232.7
Land	700.0	700.0	700.0	700.0	700.0
Building	1030.3	1030.3	1030.3	1030.3	1030.3
Plant & Machinery and Other Equipment	1788.7	1788.7	1788.7	1788.7	1788.7
Total Gross Block	3518.9	3518.9	3518.9	3518.9	3518.9
Depreciation	185.7	531.7	830.8	1089.3	1313.1
Net Block	3333.3	2987.2	2688.2	2429.6	2205.8
Trade Receivables	2132.5	2692.3	2719.2	2894.5	2937.0
nventory – Raw Material	1401.1	1408.1	1415.2	1505.9	1513.4
Inventory – Finished Goods	1134.1	1196.6	1204.7	1286.2	1296.4
nventory - Consumables	65.5	66.1	66.8	71.4	72.1
Cash & Bank	219.1	89.2	479.1	738.6	1206.7
Current Assets	4952.2	5452.3	5884.8	6496.6	7025.7
Preliminary Expenses N/off	9.2	7.2	5.2	3.2	1.2
Total Assets	8294.7	8446.7	8578.2	8929.3	9232.7

(Continued)

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Financial Year	FY 2030	FY 2031	FY 2032	FY 2033
Months	12 M	12 M	12 M	12 M
Equity	600.0	600.0	600.0	600.0
Reserve & Surplus	3349.7	4187.3	5055.8	59420ciates

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Secured Loan	245.0	0.0	0.0	0.0
Unsecured loan	535.8	535.8	535.8	535.8
Trade Payables	1353.1	1369.3	1386.4	1401.5
Term liabilities payable within one year	480.0	245.0	0.0	0.0
Working Capital Loan	3000.0	3000.0	3000.0	3000.0
Total Equity & Liabilities	9563.5	9937.5	10578.0	11479.9
Land	700.0	700.0	700.0	700.0
Building	1030.3	1030.3	1030.3	1030.3
Plant & Machinery and Other Equipment	1788.7	1788.7	1788.7	1788.7
Total Gross Block	3518.9	3518.9	3518.9	3518.9
Depreciation	1506.9	1674.8	1820.4	1946.8
Net Block	2012.1	1844.2	1698.5	1572.2
Trade Receivables	2966.4	2996.0	3026.0	3056.3
Inventory – Raw Material	1521.0	1528.6	1536.2	1543.9
Inventory – Finished Goods	1307.2	1317.4	1328.4	1337.6
Inventory - Consumables	72.8	73.6	74.3	75.0
Cash & Bank	1684.1	2177.7	2914.6	3894.9
Current Assets	7551.5	8093.3	8879.5	9907.8
Preliminary Expenses W/off	0.0	0.0	0.0	0.0
Total Assets	9563.5	9937.5	10578.0	11479.9

C. PROJECTED CASH FLOW STATEMENT:

					(INR Lakhs
Financial Year	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Particulars	5 M	12 M	12 M	12 M	12 M
Net Profit	46.6	516.0	537.6	701.3	754.1
Increase in Equity / Share Capital	600.0	0.0	0.0	0.0	0.0
Increase in TL	2925.0	0.0	0.0	0.0	0.0
Increase in Unsecured Loan	535.8	0.0	0.0	0.0	0.0
Increase in Working Capital Loan	3000.0	0.0	0.0	0.0	0.0
Depreciation	185.7	346.1	299.0	258.6	223.8
Preliminary Expenses w/off	0.8	2.0	2.0	2.0	2.0
Trade payables	1187.2	36.0	13.9	89.9	9.2
TOTAL	8481.2	900.1	852.6	1051.7	989 1/a/ya
Capital Expenses	3518.9	0.0	0.0	0.0	0.0

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Decrease in Unsecured Loan	0.0	0.0	0.0	0.0	0.0
Trade Receivable	2132.5	559.8	26.9	175.3	42.5
Inventory – Raw Material	1401.1	7.0	7.0	90.7	7.5
Inventory – Finished Goods	1134.1	62.5	8.1	81.5	10.2
Inventory - Consumables	65.5	0.7	0.7	4.6	0.7
Preliminary Expense	10.0	0.0	0.0	0.0	0.0
TOTAL	8262.1	1029.9	462.7	792.2	521.0
Opening Balance	0.0	219.1	89.2	479.1	738.6
Net Surplus/ Deficit	219.1	-129.9	389.9	259.5	468.1
Cumulative Balance	219.1	89.2	479.1	738.6	1206.7

(Continued)

Financial Year	FY 2030	FY 2031	FY 2032	FY 2033
Particulars	12 M	12 M	12 M	12 M
Net Profit	794.0	837.7	868.5	886.8
Increase in Equity / Share Capital	0.0	0.0	0.0	0.0
Increase in TL	0.0	0.0	0.0	0.0
Increase in Unsecured Loan	0.0	0.0	0.0	0.0
Increase in Working Capital Loan	0.0	0.0	0.0	0.0
Depreciation	193.8	167.9	145.6	126.4
Preliminary Expenses w/off	1.2	0.0	0.0	0.0
Trade payables	16.8	16.2	17.1	15.1
TOTAL	1005.8	1021.8	1031.2	1028.3
Capital Expenses	0.0	0.0	0.0	0.0
Decrease in Term Loan	480.0	480.0	245.0	0.0
Decrease in Unsecured Loan	0.0	0.0	0.0	0.0
Trade Receivable	29.4	29.7	30.0	30.3
Inventory – Raw Material	7.6	7.6	7.6	7.7
Inventory – Finished Goods	10.8	10.2	11.0	9.2
Inventory - Consumables	0.7	0.7	0.7	0.7
Preliminary Expense	0.0	0.0	0.0	0.0
TOTAL	528.4	528.2	294.3	47.9
Opening Balance	1206.7	1684.1	2177.7	2914.6
Net Surplus/ Deficit	477.4	493.6	736.8	980.4
Cumulative Balance	1684.1	2177.7	2914.6	3890.3





D. KEY FINANCIAL RATIO:

YEAR	FY	FY	FY	FY	FY	FY	FY	FY	FY
	2025	2026	2027	2028	2029	2030	2031	2032	2033
EBITDA						4			
Margin %	9.3%	10.0%	9.5%	9.7%	9.5%	9.3%	9.1%	8.9%	8.8%
EBIT									
Margin %	5.8%	7.8%	7.7%	8.2%	8.2%	8.2%	8.2%	8.1%	8.1%
PAT									
Margin %	0.9%	3.2%	3.3%	4.0%	4.3%	4.5%	4.7%	4.8%	4.8%
Revenue									
Growth %	_	26.3%	1.0%	6.4%	1.5%	1.0%	1.0%	1.0%	1.0%

E. GRAPHICAL REPRESENTATION OF KEY RATIOS:





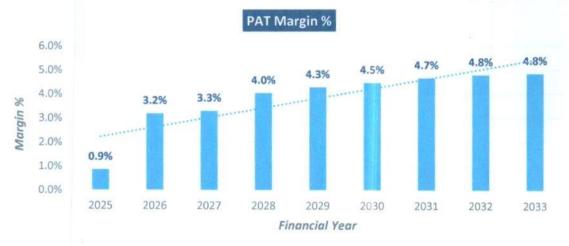




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F. ESTIMATED KEY FINANCIAL METRICS:

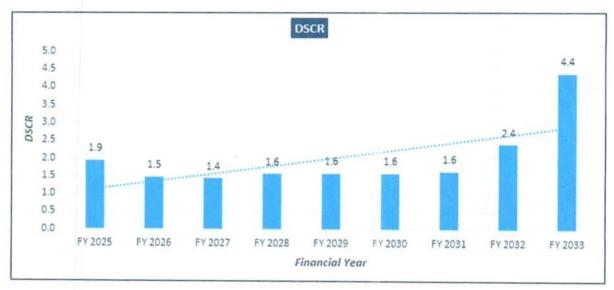
DEBT SERVICE COVERAGE RATIO (DSCR)

Particular	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033
PAT (Profit After Tax)	46.6	516.0	537.6	701.3	754.1	794.0	837.7	868.5	886.8
Depreciatio n	185.7	346.1	299.0	258.6	223.8	193.8	167.9	145.6	126.4
Preliminary Expenses	0.8	2.0	2.0	2.0	2.0	1.2	0.0	0.0	0.0
Interest on term loan	121.9	272.5	231.5	188.5	143.5	96.5	48.5	6.2	0.0
Interest on working capital loan	125.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0
Subtotal	480.0	1436.5	1370.2	1450.4	1423.4	1385.5	1354.1	1320.3	1313.2
Interest on term loan	121.9	272.5	231.5	188.5	143.5	96.5			





Maxim	num DSCF	1				2.40			
Average DSCR						1.62			
DSCR	1.9	1.5	1.4	1.6	1.6	1.6	1.6	2.4	4.4
Subtotal	246.9	972.5	951.5	928.5	903.5	876.5	828.5	551.2	300.0
Loan Repayment	0.0	400.0	420.0	440.0	460.0	480.0	480.0	245.0	0.0
Interest on working capital loan	125.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0



G. SENSITIVITY ANALYSIS OF D.S.C.R:

The project is found comparatively more sensitive with respect to the revenue, and capacity utilisation. Sensitivity analysis of the project with respect to 5% decrease in the revenue, 5% increase in the variable cost, 5% decrease in capacity utilisation and 2% increment in the proposed interest rate has been shown in the below table:

1. If the projected revenue decreased by 5% 1. If the projected capacity utilisation 1. If the projected capacity utilisation 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1						
S. No.	Particular	Average D.S.C.R	Max. D.S.C.F			
1.	The same of the sa	0.90	1.21			
2.	If the projected capacity utilisation decreased by 5%	1.08	1.53			
3.	If the projected raw material cost increased by 5%	1.43	2.07			
4.	If interest rate is increased by 2%	1.49	2.18			







H. NPV,IRR AND PAYBACK PERIOD OF THE PROJECT:

(INR Lakhs)

			Free Cash	Flow for	the proje	ct			T LUNING
Particulars	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033
Period (Months)	5.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
EBIT	309.1	1262.0	1249.9	1425.6	1451.3	1457.6	1467.9	1466.8	1485.1
Less: Taxes	15.7	173.5	180.8	235.9	253.6	267.1	281.7	292.1	298.3
Add: Depreciation & Amortisation	185.7	346.1	299.0	258.6	223.8	193.8	167.9	145.6	126.4
NOPAT	479.1	1434.5	1368.2	1448.4	1421.4	1384.3	1354.1	1320.3	1313.2
+/- WCC	3545.9	593.9	28.8	262.3	51.8	31.6	32.0	32.3	32.8
Capex	3518.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Free Cash Flow to Firm (FCFF)	- 6585.7	840.6	1339.4	1186.0	1369.6	1352.7	1322.1	1288.0	1280.4
Discount Period	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4
Discount Factor	0.94	0.82	0.71	0.62	0.54	0.47	0.41	0.35	0.31
PV Of FCFF	6213.1	689.6	955.5	735.7	738.8	634.5	539.2	456.8	394.9
TV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8325.3
PV Of TV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2567.6
PV(FCFF+TV)	- 6213.1	689.6	955.5	735.7	738.8	634.5	539.2	456.8	2962.5

	Key Input for NPV & IRR						
S. No.	Key Input	Description					
1.	Market Risk Premium	7.81% (Damodaran ERP India Jan 2024)					
2.	Company Specific Risk Premium	2%					
3.	Discount Rate	15.00%					
4.	Perpetual Growth Rate	1.0%					
NPV		INR 1,813.76 Lakhs					
	RR	20.73%					

Payback Period of the Project								
Financial Year	Cash Accrual	Accumulated Cash Accrual						
2025	233.10	233.10						
2026	864.04	1097.14 LASSOCIA						

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Payback Period	INR 4060.82 Lakhs 4.60 Years				
TPC					
Total	7899.39				
2033	1013.17	7899.39			
2032	1014.09	6886.21			
2031	1005.59	5872.12			
2030	988.97	4866.52			
2029	979.90	3877.56			
2028	961.86	2897.66			
2027	838.66	1935.80			

Thus, the project will be having a payback period of **4.60 years** and NPV & IRR of the project as on COD will **INR 1,813.76 Lakhs** & **20.73%** respectively, which indicates worthiness of the project.

I. OTHER FINANCIAL RATIOS:

Financial Year	2026	2026	2027	2028	2029	2030	2031	2032	2033
Return On Revenue (%)	1%	3%	3%	4%	4%	4%	5%	5%	5%
Return On Capital (%)	10%	39%	37%	40%	37%	35%	31%	26%	23%
Return On Investment	8%	86%	90%	117%	126%	132%	140%	145%	148%
Return On Net Worth	4%	30%	24%	24%	20%	18%	16%	14%	13%
Fixed Assets Coverage	1.3	1.4	1.6	2.0	3.0	8.2	NA	NA	NA
Interest Coverage Ratio	2.0	2.8	2.9	3.5	3.8	4.2	4.7	5.3	5.4
Current Ratio	1.1	1.2	1.3	1.4	1.5	1.6	1.8	2.0	2.3
Quick Ratio	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.4	1.6
TOL / TNW	6.0	4.0	2.8	2.0	1.5	1.1	0.9	0.7	0.6
Debt - Equity Ratio	2.5	1.5	0.9	0.6	0.3	0.2	0.0	0.0	0.0

J. BREAK-EVEN ANALYSIS:

							(INR lakhs)			
Financial Year	2026	2026	2027	2028	2029	2030	2031	2032	2033	
Revenue	5331.2	16153.5	16315.1	17366.8	17622.0	17798.2	17976.2	18156.0	18337.5	
Variable Expenses	4372.3	13237.3	13385.5	14187.3	14361.6	14467.5	14577.7	14690.30	814809.1	
Contribution	958.9	2916.2	2929.6	3179.5	3260.4	3330.8	3398.5	3465.7	3528.4	
Continuation	330.3	2310.2	2929.0	3179.5	3200.4	3330.8	3398.5	3465.	_	







BEP%	93.4%	76.3%	75.4%	70.5%	69.0%	68.1%	67.1%	66.5%	66.4%
BEP Revenue	4980.3	12323.0	12302.9	12237.1	12164.3	12122.0	12055.1	12076.0	12178.6
PV RATIO	18.0%	18.1%	18.0%	18.3%	18.5%	18.7%	18.9%	19.1%	19.2%
Profit / PBT	63.1	691.5	720.4	939.1	1009.8	1062.3	1119.4	1160.6	1185.1
Fixed Expenses	895.8	2224.7	2209.1	2240.4	2250.6	2268.5	2279.1	2305.1	2343.3

K. TERM LOAN INPUTS:

Term Loan Repayment Inputs – Term	Loan
Total loan amount	INR 2925 lakhs
Rate of Interest	10.00%
1st Disbursement	Aug-24
IDC Start & End Month	Aug-24 to Oct-24
IDC Period (construction period)	3 Months
Commencement /Operation Start	Nov-25
Moratorium Start & End Month (only interest to pay)	Aug-24 to Mar-25
Moratorium Period after COD	5 Months
Repayment Start	Apr-25
Repayment End	Sep-32
Repayment Period	78 Months

Financial Year (FY)	2025	2026	2027	2028	2029	2030	2031	2032
Op. Bal	0.0	2925.0	2525.0	2105.0	1665.0	1205.0	725.0	245.0
Disbursement	2925.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rep.	0.0	400.0	420.0	440.0	460.0	480.0	480.0	245.0
Closing balance	2925.0	2525.0	2105.0	1665.0	1205.0	725.0	245.0	0.0
Interest	195.0	272.5	231.5	188.5	143.5	96.5	48.5	6.2
IDC	73.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TL Interest	121.9	272.5	231.5	188.5	143.5	96.5	48.5	6.2

L. DEPRECIATION SCHEDULE (WRITTEN DOWN VALUE METHOD):

(INR lakhs) **Financial Year** 2032 2033 2026 2026 2027 2028 2029 2030 2031 (FY) Building/Civil 1,030.3 978.8 880.9 792.8 713.5 642.2 577.9 520.2 468.1 Works Depreciation -Building/Civil 51.5 97.9 88.1 79.3 71.4 64.2 57.8 52.0 46.8 Works

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Total WDV Depreciation	185.7	346.1	299.0	258.6	223.8	193.8	167.9	145.6	126.4
Depreciation - P&M and other equipment	134.1	248.2	211.0	179.3	152.4	129.6	110.1	93.6	79.6
Plant & Machinery and other equipment	1,788.7	1,654.5	1,406.3	1,195.4	1,016.1	863.7	734.1	624.0	530.4

M. WORKING CAPITAL REQUIREMENT:

(INR lakhs)

2.10	SALE OF TAXABLE	THE RESERVE		Marie Control of the Control	The second second			(INIX Idi	113)
Financial Year (FY)	2025	2026	2027	2028	2029	2030	2031	2032	2033
Net Working Capital	3545.9	4139.8	4168.6	4431.0	4482.7	4514.3	4546.3	4578.5	4611.3
Working Capital Margin (15%)	531.9	621.0	625.3	664.6	672.4	677.1	681.9	686.8	691.7
Working Capital Loan	3000.0	3000.0	3000.0	3000.0	3000.0	3000.0	3000.0	3000.0	3000.0

2. KEY ASSUMPTIONS & BASIS:

S. No.	Item	Assumptions and Bas	is	1	
1.	General	 b. The projections of FY 2033, ~9 years, practices. It is ass 2024. c. We have consider 	the Company of the Cover the to the	24*7 for 300 days in a are done for the perior as pound as pound will be achieving ue & cost-based more financial projection	od from FY 2025 to er the industry best g on 01 st November del (top to bottom
2.	Revenue Build up	a. Total income for t	ale of PVC Flex b	@100% capacity	
			Unit Price	Annual Quantity	Amount (INR)
		Sale of PVC Flex banner	1,12,000	INR/MT	1,88,16,00,000
		Total Revenue (II	NR)		1,88,16,00,000

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		b. Thus, the company is expected to generate INR 5,331.2 Lakhs (@ 85% Capacity Utilization) in the initial year. Further it is expected to increase up to INR 18,337.5 Lakhs till FY 2032-33.					
		Proposed selling price per unit of PVC Flex Banner is sho table:	own in the below				
		Selling price per unit					
		Products Unit price	es				
	Pricing	Sale of PVC Flex banner INR 1,12,000	/MT				
3.	(Average Price Per Unit)	We have not been provided with sample invoices of being sold by M/s Cleena Industries for verifying expect As per a study done by IIT Delhi, the average sale probanner in domestic market is INR 100-125 per Kg. An escalation factor of 1% has been considered in the products during the forecasted periods considering the reconomic factors.	ted selling price ice for PVC Flex ne prices of the				
4.	Capacity Utilization	For the PVC flex unit, initially we have assumed a utilization in the initial year. Capacity utilisation has be increase to 90% in 4 th year and constant thereafter as to some time to achieve the economies of scale and is expert at a higher capacity in the later years. We have considered the capacity utilization on conservation a mark-up for future market & economic risks in the Projection.	een projected to he unit will take ected to operate ive basis to keep				
5.	Capital Expenditure	As per the audited financial statements of the company year 2021 shared with us, cost of land capitalised in bo Cr. We have not been provided with fixed assets regist audited/provisional balance sheet for verifying the cost at As per sale land deeds shared with us, INR 1.43 Cr is the cost of land, however, company has considered INR 7.6	for the financial oks is ~INR 4.49 ter or the latest s of date.				



M/S APOLLO POLYVINYL PRIVATE LIMITED



value for computing project cost. As per our technical assessment, fair market value of ~33.76 acres of land is ~INR 10.13 Cr after considering guideline rate of INR 30 lakhs per acre.

b. As per the audited financial statements of the company for the financial year 2021 shared with us, the depreciated cost of factory building is ~INR 4.49 Cr.

We have not been provided with fixed assets register or the latest audited/provisional balance sheet for verifying the cost as of date. However, company has considered INR 10.08 Cr as market value for computing project cost. As per our technical assessment, fair market value of building having built up area of ~68,000 sq. ft. is ~INR 9.95 Cr.

c. As per the audited financial statements of the company for the financial year 2021 shared with us, the depreciated cost of plant and machinery, electrical equipment, furniture and office equipment, computers, vehicles etc. is ~INR 33.40 Cr.

However, company has considered INR 12.50 Cr as market value of existing machinery & equipment for computing project cost. We have not been provided with fixed assets register or the latest audited/provisional balance sheet for verifying the cost as of date or other details such as equipment name, manufacturer name, specification/capacity, landed price, age of the plant & machinery, etc.

As per our technical assessment, fair market value of machinery and other equipment basis the audited financial statements of financial year 2021 is ~INR 28.61 Cr.

- d. Refurbishment and installation of old machines and New Equipment has been estimated by the Company ay INR 5 Cr. However, we have not been provided with quotations for the same.
- Estimated cost of Pre-Operative Expenses has been estimated by the Company at INR 0.10 crores.

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f.	The estimation/vetting of Total Project Cost or its component is out of
	scope of this TEV report, and we have relied upon the data/information
	provided by the client in this regard.

a. The cost of the raw material @ 100% capacity has been shown in the below table:

Raw material Cost @ 100% capacity						
Raw Material	INR/Ton	Annual Quantity	Amount INR			
Annual Consumption of raw material	81,200	16,800	1,36,41,60,000			
Total		INR 1,36,41,60,0	00			

- b. We have not been provided with the composition of raw materials and the sample invoices of raw materials being purchased by M/s Cleena industries for verifying expected raw material prices.
- c. As per our tertiary research and data available in the public domain, we found the unit rate are in the permissible range. Escalation of 1% is considered during forecasted period.

Materials	Composition (wt.%)	Price per Kg	Amount	Reference
Calcium Carbonate	36%	10	3.6	https://www.vickyplast.com/calcium-carbonates.html
PVC Resin	33%	80	26.4	https://www.exportersindia.com/indian-suppliers/pvc- resin.htm#:^:text=What%20is%20the%20cost%20of%20PvC%20resins% 3F&text=The%20price%20of%20PvC%20resins.of%20the%20product
Polyester Fabric	18%	200	36	https://www.pranerafabrics.com/plain-polyester-fabric-3040614.html
Plasticizers	9%	130	11.7	https://www.vickyplast.com/pvc-plasticizers.html
Additives	4%	95	3.8	https://www.metawaresindia.com/pvc-chemicals.html
	100%		81.5	

- d. As per information provided by the client, estimated annual consumption of the power will be 86,40,000 Kwh at 100% capacity and the applicable per unit charges will INR 7.5 per Kwh. Thus, the annual electricity expenses would be INR 6,48,00,000. An escalation rate of 1% is assumed on it.
- e. Fuel for boiler has been estimated at INR 3000/MT. Annual quantity of wood required would be 3,600 MT. Therefore, annual expense would be INR 1.08 Cr. An escalation rate of 1% is assumed on it.
- Consumables, Stores & Spares have been estimated at INR 5.57Kg of PVC

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6. **Expenses**

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		flex banner. An escalation rate of 1% is assumed on it. Repair & maintenance has been estimated at INR 1.8 Cr for the base year. g. A 10% escalation rate has been considered during the forecasted period on the salary & wages of the proposed manpower, repair & other manufacturing expenses. h. General, Selling & Administrative Expenses has been estimated at 4% of revenue. i. Company is expected to have a similar EBITDA as compared to industry trends and peer's scales. j. We have not been provided with latest income tax return or schedule of brought forward losses for income tax purposes. Hence, we have not considered set off of previous year tax losses and unabsorbed depreciation for our assessment.
		 a. The project is proposed to be funded through a term loan of INR 29.25 crore, promoter's equity of INR 6.00 crore and unsecured loan of INR 5.36 crore.
7.	Partial Loan	b. The tenure of term loan will be 86 months years from August 2024 to September 2032. First disbursement shall be in August 2024 and 8 months will be considered as moratorium period. As per discussion with bank, Interest rate has been considered as 10.00%. Repayment period shall be 78 months.
		c. Working capital loan of INR 30 crore is proposed after keeping a margin of 15%.

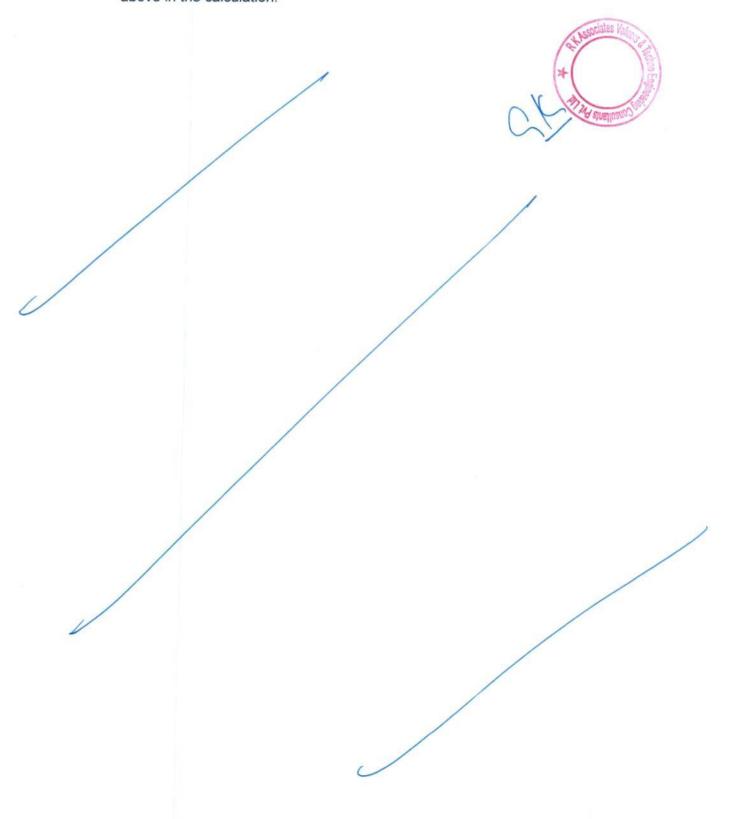
Key Findings:

- Average DSCR, EBIDTA margin, EBIT margin is 1.62, 9.34%, and 7.81% respectively during the estimated period.
- The company is having a positive NPV and IRR as on COD, of INR 1813.76 lakhs and 20.73% respectively at the base cases while it may vary with changes in the assumptions & micro and macro-economic trends considered as on date.





- 3. The project is having a payback period of 4.60 years.
- 4. Based on the above key financial ratios of the Project during the forecasted period shows that the project appears financially viable if the promoters of the project are able to maintain assumed capacity utilization, revenue and can contain cost as assumed above in the calculation.





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PART N

CONCLUSION

Based on the technological, economic and market analysis done above, various assumptions of sectoral trends taken, product pricing to be adopted by the company, the Project appears to be Techno-commercially viable subject to the risks, threats, weaknesses, limitations of the product as detailed previously.

As per financial projections for the estimated period, Average DSCR, EBITDA Margin and EBIT Margin of the project are 1.62, 9.34%, and 7.81% respectively, where higher DSCR is the indicator of the project capability to pay out its outstanding debt and EBITDA margin shows the capability of the project to generate the operating profits over the forecasted period. Also, the project is having the payback period of 4.60 Years in the line with sectoral trends.

The PVC Flex Banner & WPC/PVC Manufacturing Plant is having a positive NPV and IRR as INR 1813.76 lakhs and 20.73%% respectively at a 90% capacity utilization as the industry is expectedly growing at a CAGR of 5.7% during the forecasted period. While it is not avoidable that the future projections may change in the upcoming years due to various factors impacting the operation, managerial, financial efficiency and economies of scale of the project.

While it would be depending on the management's capability in future that how efficiently company adopts marketing and advertisement strategy, supply chain and carry out inventory & resource management to achieve higher profitability. After considering the foreseen demand of the PVC flex banners domestically and globally, various initiatives taken by the government, financial analysis of the project based on the assumptions taken over the projected period, it appears reasonable to comment that the project is "Technically and Economically" Viable subject to current assumptions considered and occurring the same in the upcoming years same as the forecasted period which is dependent on the sincerity and efforts of the management and various micro and macroeconomic & industry situation.

We have tried our level best to analyse the Project techno-economic feasibility of the Project based on the Industry research, Project information and various futuristic assumption taken within the limitations and challenges came in front of us. However, achieving the financial milestones depends on the ability, sincerity and efforts of the company, promoters and its key management to maintain the projected raw material cost level Y-o-Y basis keeping the fact in mind that the project is found sensitive with respect to the downside fluctuation in revenue and capacity utilisation.





Declaration	 i. The undersigned does not have any direct/indirect interest in the above property/project/Company. ii. The information furnished herein is true and correct to the best of our knowledge, logical and scientific assumptions. iii. This TEV Report is carried out by our Financial Analyst team on the request from PNB, MCC Branch, Haridwar. iv. Meeting of Financial projections will be subject to the market & economy stability factors, judicious business operations and proper & timely implementation of the project and putting proper plan for achieving high productivity, efficiency and achieving cost saving benefits to increase profitability. v. We have submitted TEV report to the PNB, MCC Branch, Haridwar.
Number of Pages in the Repost	78
Enclosed Documents	Disclaimer & Remarks 74-77
Place	Noida
Date	25 th July 2024

FOR ON BEHALF OF M/S. R.K. ASSOCIATES VALUER & TECHNO ENGINEERING CONSULTANTS PVT. LT					
SURVEYED BY	PREPARED BY	REVIEWED BY			
Mr. Abhinav Chaturvedi	Mr. Aneesh Mallick	Mr. Gaurav Kumar			
		RI CONTROL OF STREET			





PART O

DISCLAIMER | REMARKS

- 1. No employee or member of R.K Associates has any direct/ indirect interest in the Project.
- 2. This report is prepared based on the copies of the documents/ information which the Bank/ Company has provided to us out of the standard checklist of documents sought from them and further based on our assumptions and limiting conditions. The client/owner and its management/representatives warranted to us that the information they supplied was complete, accurate and true and correct to the best of their knowledge. All such information provided to us has been relied upon in good faith and we have assumed that it is true and correct in all respect. I/We shall not be liable for any loss, damages, cost or expenses arising from fraudulent acts, misrepresentations, or wilful default on part of the owner, company, its directors, employee, representative or agents. Verification or cross checking of the documents provided to us from the originals or from any Govt. departments/ Record of Registrar has not been done at our end since this is beyond the scope of our work. If at any time in future, it is found or came to our knowledge that misrepresentation of facts or incomplete or distorted information has been provided to us then this report shall automatically become null & void.
- 3. Legal aspects for e.g. investigation of title, ownership rights, lien, charge, mortgage, lease, sanctioned maps, verification of documents, etc. have not been done at our end and same has to be taken care by legal expert/ Advocate. It is assumed that the concerned Lender/ Financial Institution has satisfied them with the authenticity of the documents, information given to us and for which the legal verification has been already taken and cleared by the competent Advocate before requesting for this report. I/ We assume no responsibility for the legal matters including, but not limited to, legal or title concerns.
- 4. This report is a general analysis of the project based on the scope mentioned in the report. This is not an Audit report, Design document, DPR or Techno feasibility study. All the information gathered is based on the facts seen on the site during survey, verbal discussion & documentary evidence provided by the client and is believed that information given by the company is true best of their knowledge.
- This Techno Economic-Viability study is prepared based on certain futuristic assumption
 which are intra dependent on economic, market and sectorial growth condition in future and
 socio-economic, socio-political condition at macro and micro level.





- Meeting of assumption and financial ratio will entirely depend on the sincerity and efforts of the company, promoters and its key managerial performance.
- 7. All observations mentioned in the report is only based on the visual observation and the documents/ data/ information provided by the client. No mechanical/ technical tests, measurements or any design review have been performed or carried out from our side during Project assessment.
- 8. This report has been diligently prepared by our techno-financial team to the best of their ability. However, it's important to note that the recommendations provided in this Total Economic Viability (TEV) assessment do not imply an endorsement, validation, or certification of the accuracy or completeness of the disclosed information by the involved stakeholders. Furthermore, we do not claim or endorse that the opinions presented herein are the sole best course of action for decision-makers to follow. There may exist additional approaches and inputs that have not been covered within this report or fall outside the scope of this report.
- 9. Bank/FII should ONLY take this report as an Advisory document from the Financial/ Chartered Engineering firm and its specifically advised to the creditor to cross verifies the original documents for the facts mentioned in the report which can be availed from the borrowing company directly.
- 10. In case of any default in loans or the credit facility extended to the borrowing company, R.K Associates shall not be held responsible for whatsoever reason may be and any request for seeking any explanation from the employee/s of R.K Associates will not be entertained at any instance or situation.
- 11. The documents, information, data provided to us during the course of this assessment by the client are reviewed only up to the extent required in relation to the scope of the work. No document has been reviewed beyond the scope of the work.
- 12. This report only contains general assessment & opinion as per the scope of work evaluated as per the information given in the copy of documents, information, data provided to us and/ and confirmed by the owner/ owner representative to us at site which has been relied upon in good faith. It doesn't contain any other recommendations of any sort including but not limited to express of any opinion on the suitability or otherwise of entering into any transaction with the borrower.





- 13. We have relied on data from third party, external sources & information available on public domain also to conclude this report. These sources are believed to be reliable and therefore, we assume no liability for the truth or accuracy of any data, opinions or estimates furnished by others that have been used in this analysis. Where we have relied on data, opinions or estimates from external sources, reasonable care has been taken to ensure that such data has been correctly extracted from those sources and /or reproduced in its proper form and context, however still we can't vouch its authenticity, correctness or accuracy.
- 14. This Report is prepared by our competent technical team which includes Engineers and financial experts & analysts.
- 15. This is just an opinion report and doesn't hold any binding on anyone. It is requested from the concerned Financial Institution which is using this report for taking financial decision on the project that they should consider all the different associated relevant & related factors also before taking any business decision based on the content of this report.
- 16. All Pages of the report including annexure are signed and stamped from our office. In case any paper in the report is without stamp & signature then this should not be considered a valid paper issued from this office.
- 17. Though adequate care has been taken while preparing this report as per its scope, but still we can't rule out typing, human errors, over sightedness of any information or any other mistakes. Therefore, the concerned organization is advised to satisfy themselves that the report is complete & satisfactory in all respect. Intimation regarding any discrepancy shall be brought into our notice immediately. If no intimation is received within 15 (Fifteen) days in writing from the date of issuance of the report, to rectify these timely, then it shall be considered that the report is complete in all respect and has been accepted by the client up to their satisfaction & use and further to which R.K Associates shall not be held responsible in any manner.
- 18. Defect Liability Period is **15 DAYS**. We request the concerned authorized reader of this report to check the contents, data and calculations in the report within this period and intimate us in writing if any corrections are required or in case of any other concern with the contents or opinion mentioned in the report. Corrections only related to typographical, calculation, spelling mistakes, incorrect data/ figures/ statement will be entertained within the defect liability period. Any new changes for any additional information in already approved report will be regarded as additional work for which additional fees may be charged. No request for any illegitimate change in regard to any facts & figures will be entertained.

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- 19. R.K Associates encourages its customers to give feedback or inform concerns over its services through proper channel at <u>valuers@rkassociates.org</u> in writing within 15 days of report delivery. After this period no concern/ complaint/ proceedings in connection with the Techno- Economic Viability Study Services will be entertained due to possible change in situation and condition of the subject Project.
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M/S APOLLO POLYVINYL PRIVATE LIMITED



EXTRACTS OF IMPORTANT STATUTORY APPROVALS PROVIDED BY THE CLIENT

INITIAL LICENCE ISSUED RENEWAL. agryphanonadia Quain APPOLLO POLYVINYL தொழிற்சாலைச் சட்டம் படிவம் எண். 4. விதி 46) இன் கீழ்க் குறிப்பிடப்பட்டுள்ளவரவளவும் நாளும்..... ஒரு தொழிற்சாலையை நடத்துவதற்சானப் பதிவு வரைபடத்தில் என்னையிடப்பட்ட உரிமமும் காண்பிக்கப்பட்டு உள்ள உரிமம் வழங்கப்பட்ட வளாகம்.....மாவட்டத்தில்பெறைபட்டினர் Tk. அமைந்துள்ளது மற்றும் அதில் Thimvalley District. உரிம் என் : 3285 48 01 018 1 1 VR 10171/15. 46 16 0540,000 அடங்கியுள்ளது. 1948-ம் ஆண்டு தொழிற்சாலைகள் சட்டத்தில வழிவகைகளின்படியும், அதன் கிழ் செய்யப்படு. விறிகளின் படியும், கழே விவரித்துள் வளாகத்துக்குள் ஒரு தொழிற்சாலையாக <u>100</u> மிகைப்படாத தொழிலாளர்களுடன் நடப் - Industrial Salaly and Haalth-I உரிமம் வழங்கப்படுகின்றது/ புதுப்பிக்கப்படுகிறு விடு 100இன் கிழ் இந்த உரிமம் உரிய நாளுக்க முன் நீக்கப்பட்டாலொழிய 2015 ஆட ஆண்டு டிசம்பர் இங்கள் 31ஆம் நாள் வரை இந்த LisT of DIRECTORS உரிமம் செயற்பாட்டில் இருக்கும். 1. MY. SUNIL KAPOOR (OCUP) DD. NO. 933260, Dt 10.04.2015. 2 my · VARUN HAPOOR. 3

தொழிற்சாலைக் தட்டம் புதுப்பித்தல் தொழிற்சாலைகள்				
புதுப்பித்த நாள்	புதுப்பிப்பதற்குக் கட்டணம்	உரிமம் முடிவுறும் தாள்.	துணைத் தலைமை ஆய்வாளரது ஒப்பம்.	
106 . 2015	1.62 40,000 - 1.62 40,000 - 1.62 40,000 -	31-12 · 2016 31-12 · 2017 31-12 · 2018	Hojnzejfectot k	
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