



# BIVASTRA TEXTILES PRIVATE LIMITED

**Self-Sustaining and Self-Funding project for Games and Garments on Blockchain**

Date: 15-07-2024

## Project

World's First Blockchain enabled  
Self-Sustaining and Self-Funding; Vertically  
Integrated Garments Manufacturing Hub  
(Cryptographically Encrypted **DIGITAL SHARES** for Games  
and Garments on the Blockchain ecosystem. BSC BEP20)

## Purpose

Seeking Funding support  
(Page Number - 16 & 17)



Bivastra Inc.

**Bivastra Inc.**

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# Executive Summary

Introducing the world's first self-sustaining and self-funding project for custom-designed clothing, featuring cryptographically encrypted digital shares, **Bivastra Textiles** aims to revolutionise the Blockchain and garment industry. Our innovative project generates funds from the Blockchain ecosystem to establish a head office in India, Rummy Club App, Custom Design Platform and vertically integrated knit garment manufacturing factories in India, Ethiopia, and Ghana.

With our user-friendly custom-fit garment designing website and mobile app, customers can effortlessly create garments tailored to their preferences. Additionally, we plan to encourage the use of #bitra digital shares by incorporating real-time rummy and cryptocurrency mining plants powered by renewable energy in India.

Once garments are designed, they will be conveniently delivered to users through a reliable courier service. Customers' advance funds will be considered as digital shares of our company, earning interest until the garments are successfully delivered.

Looking ahead, our vision extends beyond garments. In the future, customers will have the opportunity to utilise #bitra digital shares to purchase a wide range of products through our mobile app. By enabling online share sales and real-time conversion of value to any fiat currency, we aim to provide a seamless and versatile shopping experience.

At Bivastra Textiles, we are committed to combining innovation, sustainability, and customer satisfaction. Our groundbreaking project opens up new possibilities for the garment industry while maintaining a strong focus on social and environmental responsibility.

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# Introduction

Bivastra Textiles is a pioneering company in the garment industry, dedicated to revolutionising the way custom-designed clothing is produced and consumed. Our mission is to empower individuals to express their unique style through personalised garments, while adhering to sustainable practices. With a vision to transform the fashion landscape, we aim to bridge the gap between technology and fashion, offering innovative solutions to meet the evolving needs of our customers.

At Bivastra, we are driven by core values of creativity, quality, sustainability, and customer satisfaction. We believe in pushing boundaries and embracing technological advancements to deliver exceptional experiences to our clients. By combining the power of blockchain technology and our expertise in garment manufacturing, we have developed the world's first self-sustaining and self-funding project for custom-designed clothing.

Our innovative project leverages the potential of blockchain to generate funds for the establishment of a head office in India, as well as vertically integrated knit garment manufacturing factories in India, Ethiopia, and Ghana. Through our user-friendly online platform, customers can effortlessly design their own custom-fit garments, selecting details such as size, fabric, colour, print, and embroidery. These garments are then carefully crafted and delivered to customers' doorsteps, ensuring a seamless and personalised experience.

Furthermore, our project introduces the concept of cryptographically encrypted digital shares, named #bitra, which customers can invest in during the advance payment process. These digital shares serve as an investment in our company and accrue interest until the garments are delivered. In the future, we plan to expand the utility of #bitra digital shares, enabling customers to use them for purchasing a wide range of products through our mobile app, with real-time conversion to fiat currency.

As a socially and environmentally responsible company, we are committed to sustainable manufacturing practices, renewable energy usage, and promoting fair labour conditions. We strive to make a positive impact on the garment industry by bridging the gap between technology and fashion, offering personalised, eco-friendly, and ethically produced clothing options.

In summary, Bivastra Textiles is a visionary company that combines cutting-edge technology, sustainable practices, and customer-centric solutions to revolutionise the garment industry. We are proud to be at the forefront of innovation, empowering individuals to express their individuality while making a positive impact on the world.



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# Project description

The specific project for which Bivastra Textiles is seeking funding is the establishment of a self-sustaining and self-funding ecosystem for custom-designed clothing, powered by blockchain technology. This innovative project encompasses multiple components aimed at transforming the fashion industry and aligns with the priorities and goals of the Russian government bodies we are approaching.

## Objective:

- 1. Establish a head office in India:** The project aims to establish a centralised office in India, serving as a hub for our operations and facilitating seamless coordination.
- 2. Vertically integrated knit garment manufacturing factories:** Bivastra intends to establish vertically integrated manufacturing facilities in India, Ethiopia, and Ghana. These factories will enable us to control the entire garment production process, ensuring high-quality standards, cost efficiency, and timely delivery.
- 3. Custom-fit garment designing platform:** Our online design studio website and mobile app will provide customers with a user-friendly platform to customise their garments. Users can select the desired size, fabric, colour, print, or and embroidery, enabling a personalised and unique clothing experience.
- 4. Introduction of #bitra digital shares:** The project introduces cryptographically encrypted digital shares, named #bitra, as an innovative investment mechanism. Customers' advance payments will be considered as digital shares, which will accrue interest until the garments are delivered. This unique feature aligns with the growing interest in blockchain technology and digital assets. We will launch the token on leading cryptocurrency platforms to encourage investment on the project.
- 5. Integration of web3-based real-time rummy game:** To enhance the use case of the #bitra token, the project will include a web3-based real-time rummy game and Cryptocurrency mining by using green energy. The game and mining will encourage the utilisation of #bitra tokens within the Bivastra ecosystem, promoting engagement and providing an additional avenue for token holders to enjoy their digital assets.



## Expected Outcomes:

1. **Empowering customers:** The project aims to empower individuals to express their unique style by offering personalised, custom-designed garments. Customers will have the opportunity to create garments that align with their preferences and individuality.
2. **Sustainable manufacturing practices:** Bivastra Textiles is committed to sustainable manufacturing practices, utilising renewable energy sources and implementing environmentally friendly processes. The project will promote sustainable fashion choices and contribute to reducing the industry's ecological footprint.
3. **Economic growth and employment opportunities:** By establishing manufacturing facilities in India, and expanding to Ethiopia, and Ghana, the project will generate employment opportunities and contribute to the economic growth of these regions.
4. **Technological advancement:** The utilisation of blockchain technology, the integration of digital shares, and the inclusion of a web3-based real-time rummy game demonstrate Bivastra's commitment to technological innovation. The project will contribute to the development of digital infrastructure and promote the adoption of blockchain solutions within the fashion industry, creating new avenues for engagement and enhancing the value proposition of the #bitra token.

Overall, the project aligns with the priorities and goals of the Russian government bodies by combining innovation, sustainability, economic growth, and technological advancement. It presents an opportunity to foster international collaborations, promote sustainable practices, drive economic development, and enhance customer engagement within the fashion industry.

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# Problem Statement

The fashion industry faces several challenges that Bivastra Textiles aims to address with its innovative project. These challenges are supported by research and industry statistics, highlighting the significance of the problem:

- 1. Lack of personalization:** Many consumers struggle to find garments that align with their unique preferences and individuality. Research shows that a significant portion of customers are dissatisfied with the limited options available in ready-to-wear clothing, leading to a demand for more personalised and custom-designed garments.
- 2. Limited transparency and traceability:** The fashion industry often lacks transparency and traceability in its supply chains, making it difficult for consumers to know the origin and production processes of the garments they purchase. This lack of transparency raises concerns about ethical practices, sustainability, and the overall impact of the industry on the environment.
- 3. Inefficient production and distribution:** Traditional garment manufacturing processes are often fragmented and inefficient, leading to delays in production and distribution. This inefficiency results in longer lead times and challenges in meeting customer demand, leading to potential revenue loss and customer dissatisfaction.
- 4. Limited financial inclusion:** The traditional fashion industry predominantly operates through established channels, limiting access and opportunities for small-scale designers and manufacturers. This exclusionary approach hinders the growth and innovation of emerging talents and restricts the diversity of offerings available to consumers.
- 5. Slow adoption of blockchain technology:** Despite the potential benefits of blockchain technology in enhancing transparency, security, and efficiency within supply chains, the fashion industry has been slow in adopting this technology. This reluctance hampers the industry's progress towards more sustainable and digitally-driven solutions.

By addressing these challenges, Bivastra Textiles aims to revolutionise the fashion industry by offering personalised garments, promoting transparency and traceability, streamlining production and distribution processes, fostering financial inclusion, and leveraging blockchain technology for enhanced efficiency and security.

# Methodology and Approach

Bivastra Textiles employs a comprehensive and innovative approach to tackle the identified challenges in the fashion industry. Our project stands out by offering unique solutions that are rooted in cutting-edge technology and customer-centric practices. The key methodologies and approaches we will employ are as follows:

- 1. Customer-Centric Design Platform:** We will develop a user-friendly and intuitive online platform, the Bivastra Design Studio, where customers can easily customise their garments according to their preferences. This platform will enable them to choose the size, fabric, colour, print, and embroideries, ensuring a personalised and tailored experience.
- 2. Vertically Integrated Manufacturing:** Bivastra Textiles will establish vertically integrated knit garment manufacturing factories in India, Ethiopia, and Ghana. This approach ensures complete control over the production process, from sourcing high-quality materials to manufacturing the garments. By vertically integrating our operations, we can streamline production, reduce costs, and maintain high-quality standards.
- 3. Blockchain-Based Fundraising:** We will utilise blockchain technology to raise funds for the custom design and vertically integrated garments manufacturing factory projects. Through a smart contract on the Binance blockchain, individuals can invest in Bivastra Textiles by purchasing digital shares. These shares represent a stake in the company and provide investors with potential returns. By leveraging blockchain technology, we ensure transparency, security, and immutable records of share transactions.
- 4. Financial Inclusion:** In addition to offering custom-designed garments, Bivastra Textiles will introduce a digital shares-enabled web3-based real-time rummy game. This game will encourage the use case of our native cryptocurrency, #bitra, enabling customers to participate and earn rewards. By fostering financial inclusion, we empower individuals to become stakeholders in our project and benefit from its success.
- 5. Continuous Innovation:** Bivastra Textiles is committed to continuous innovation and staying at the forefront of technological advancements in the fashion industry. We will actively explore emerging technologies, such as augmented reality (AR) and virtual reality (VR), to enhance the design and shopping experience for our customers. Additionally, we will invest in research and development to optimise our production processes, explore sustainable materials, and identify opportunities for further growth and improvement.

Through these methodologies and approaches, Bivastra Textiles aims to address the identified challenges in the fashion industry and offer innovative solutions that transform the way garments are designed, manufactured, and delivered. By combining technology, customer-centricity, and sustainability, we aim to set new standards of excellence and create a positive impact in the industry.

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# Implementation Plan

## 2023 March to 2024 March - One year Road-Map

### Phase - I

#### **Custom design Sewing Factory, Vertically Integrated Garment Manufacturing Factory and Head Office in India – Steps involved and Estimated Time frame for each Steps: –**

Collecting the Requirement advice - **(Completed)**

Finding the Required Machines against the capacity or Investment

Estimating the area requirement - **(Completed)**

Estimating the Constructed area requirement - **(Completed)**

Land lease etc., or Find a lease building

Contractor finding and finalising for construction

Collecting advice from Contractor about required construction materials

Acquiring Construction materials from various parts of the world

Estimate the construction completion date

Finding the required number of each machine **(Completed)**

Finding Manufacturer of each different machines **(Completed)**

Establishing negotiation and discussion with each manufacturer

Price negotiation, Visit to the machine manufacturer

Confirmation and payment for each item

Logistics and Importing

Preparing the Local purchase items

Preparing and purchasing electrical equipment

Machine erection, furnishing, wiring compiling

Vehicle purchase  
Staff hiring  
Labours hiring  
Training to staffs and labours  
Arrange buyer visit  
Do sample orders  
Do Local orders  
Prepare sampling  
Arrange and Attend buyer visit  
Attending Trade Fair  
Collect orders from customer  
Unidentified works and delay

Can complete these works within EIGHT MONTHS. That means the factory may start its work within eight months. Training Marketing order acquisition takes four months. **That means the factory may start to generate revenue after TWELVE MONTHS.**

## **Phase - II**

### **Blockchain Finance Model, Estimation Time Frame and Road Map**

- Factory Assessment – **Completed**
- Project update – **Completed**
- Website launch on April 2nd Week – 2022 – **Completed**
- Social media launch on April 2nd Week – **Completed**
- Direct Investment opportunity starts on April 3rd Week
- Token Sale starts from Website and social media on a Direct purchase mode April 3rd Week – On Going
- Crypto tech. Director appointment
- Digital Share Crypto Token Creation – **Completed**
- Token periodical burning starts May 2nd Week 2022 – **Ongoing**
- Wallet Connect with Website coding work starts around April – **Completed**
- Token listing on Pancakeswap May 4th week – Completed – #BITRA and BUST (Binance peg) pair is available at Pancakeswap – Unlisted; We will Re launch soon

- Finding and doing Discussion with Exchanges to list BITRA – Discussion Ongoing with several Exchange planned to launch soon in 2023
- Airdrop Advertisement Planned June – 2023
- **Custom Fit garment designing web portal designing with coding companies**
- Mining project Assessment preparation June 4th Week
- Rummy Club Coding development company negotiation starts around July 4th Week
- Rummy Club game designing development;
  - Responsible play, Fair Play, Wallet development
  - Applicable Fiat Currency and CryptoCurrency planning
  - 3 Deck, 2 Deck Rummy
  - Point Game
  - 61 Pool, 101 Pool, 220 Pool, 319 Pool developments
  - Very responsive secured user-friendly immediate payment enabled
  - Bivastra digital shares/Crypto token enabled thoroughly audited coding development by using skilled developer teams
  - Estimated to complete and launch the program around October last week of 2023
- Token Listing
- Token auditing July – 2023 – 1st Week
- Consultant appointment for Factory Establishment
- Consultant appointment to do Mining assessment
- Community Director appointment
- Listing at DEX platform July – 1st week – 2022 Marketing
- Mining establishment July – 2022
- Factory establishment paperwork
- Factory establishment

Can complete all these works within **NINE MONTHS.**



### **Phase - III**

#### **Custom design Sewing Factory, Vertically Integrated Garment Manufacturing Factory at East and West Africa to enjoy duty free privileges – Steps involved and Estimated Time frame for each Steps: –**

Collecting the Requirement advice - **(Completed)**

Finding the Required Machines against the capacity or Investment

Estimating the area requirement - **(Completed)**

Estimating the Constructed area requirement - **(Completed)**

Land lease etc., or Find a lease building

Contractor finding and finalising for construction

Collecting advice from Contractor about required construction materials

Acquiring Construction materials from various parts of the world

Estimate the construction completion date

Finding the required number of each machine **(Completed)**

Finding Manufacturer of each different machines **(Completed)**

Establishing negotiation and discussion with each manufacturer

Price negotiation, Visit to the machine manufacturer

Confirmation and payment for each item

Logistics and Importing

Preparing the Local purchase items

Preparing and purchasing electrical equipment

Machine erection, furnishing, wiring compiling

Vehicle purchase

Staff hiring

Labours hiring

Training to staffs and labours

Arrange buyer visit

Do sample orders

Do Local orders

Prepare sampling

Arrange and Attend buyer visit

Attending Trade Fair

Collect orders from customer

Can complete these works within ONE YEAR SIX MONTHS. That means the factory may start its work within ONE YEAR SIX months. Training Marketing order acquisition takes four months. **That means the factory may start to generate revenue in TWENTY TWO MONTHS.**

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### **Unidentified Delay**

Unidentified delays may happen in Bank loan, construction, importing the material or machinery and fulfilling the legal formalities etc.,  
Fund is very important to complete the project on time.

Above defined set of works have deep connection in each other, the work, inside of the set; also have interconnection. One set can't be started without completion of the previous set. Each set depends on others. This may also cause delays.

## **Deliverables**

Bivastra Textiles is committed to ensuring transparency and accountability to our investors. We will provide comprehensive deliverables to keep investors informed about the progress of the project. Our deliverables include:

1. **Monthly Action Plan:** We will develop a detailed action plan for each month, outlining the specific tasks, milestones, and objectives to be achieved. This plan will serve as a roadmap to guide our activities and measure our progress.

2. **Monthly Work Done and Expenses Report:** At the end of each month, we will submit a report to investors detailing the work accomplished during that period. This report will provide a comprehensive overview of the tasks completed, milestones achieved, and expenses incurred. It will help investors track the project's progress and ensure transparency in financial matters.
3. **Three-Month Work Plan and Progress Update:** We will present a three-month work plan to outline our objectives and strategies for the upcoming period. Along with the plan, we will provide a progress update that highlights the achievements and challenges encountered during the previous three months. Additionally, we will address any pending work and provide a timeline for its completion.
4. **Resource Allocation and Responsibilities:** Bivastra Textiles will clearly define the roles and responsibilities of team members involved in the project. We will share information about who will handle specific tasks and their respective areas of expertise. Moreover, we will provide salary details to ensure transparency and enable investors to have a clear understanding of resource allocation.
5. **Customised Investor Reporting:** We understand that each investor may have specific reporting requirements. Therefore, we are committed to providing further details and information as per their needs. Whether it is additional financial reports, project updates, or any other specific information, we will ensure timely communication and meet investor expectations.

Our goal is to establish strong communication channels with our investors and keep them well-informed about the project's progress, achievements, challenges, and financial aspects. By delivering these comprehensive reports and customised information, we aim to foster transparency, trust, and a mutually beneficial partnership with our investors.

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# Budget and Financial Plan

S.No.	Project Plan	The project will start to work	Required Amount in INR
1	Head Office, Custom Design Manufacturing Facility and Vertically Integrated Garments Manufacturing Plant	With in one year	1,980,000,000.00
2	Develop a user-friendly Custom Design Website and Mobile App:	With in six months	2,500,000.00
3	Bitra Digital Shares launch on leading crypto trading exchanges	With in six months	10,000,000.00
4	To encourage Bitra digital shares use case we will launch a fair play real time rummy club platform, where users can use bitra digital shares as a currency and play different rummy games.	With in one year	5,000,000.00
5	To enjoy the duty free export privilege we will expand our manufacturing facility Establish similar production facility at Ethiopia and Ghana	With in 24 months	4,000,000,000.00
6	Payment Gateway: To enable customers to make payments digitally, Bivastra would need to integrate a payment gateway into its mobile app, game platform and website.	With in one year	2,500,000.00
	Total Requirement in INR		6,000,000,000.00

Detailed assessment comes here after.

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## BIVASTRA TEXTILE PRIVATE LIMITED

**Use Case of Funds;** Allocation of Two Hundred & Fifty Thousand USD - \$ (2,50,000.00)

S No.	Head of Expenses	250,000.00		Description of the Item	Time Period	1st Pay	2nd Pay	3ed Pay
1	Personnel and Talent	9.60%	24,000	Staffs Salary	2nd, 3ed and 1st Quarter; 2024 & 2025	14,000	5,000	5,000
2	Product Development and Innovation	9.20%	23,000	Custom Design Web Portal Development and Maintenance; Server Cost, Wallet Application Integration, Social Media Subscription	2nd & 3ed Quarter 2024		20,000	3,000
3	Rummy Club	38.60%	96,500	Game Application Purchase, Bitra Digital Asset Integration with game application	2nd Quarter 2024		96,500	
4	Scaling Initiatives	1.20%	3,000	Bitra Token Auditing	Immediate	3,000		
5	Technology and Infrastructure	28.00%	70,000	Bitra IEO and Launch on exchanges; Blockchain coordination, Airdrop	2nd & 3ed Quarter 2024		30,000	40,000
6	Marketing and Promotion	6.00%	15,000	Social Media, Influencer, and Target Marketing; News distribution to the news papers all over the world, Coinmarketcap and coingecko enrollment etc.,	3ed Quarter; 2024			15,000

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7	Operational Expenses	6.00%	15,000	Rent (or Lease), Raw Materials, EB, Furnitures, Vehicles, Data Connections, Stationeries, Computers, Printers	2nd, 3ed and 1st Quarter; 2024 & 2025		10,000	5,000
8	Reporting, Documentation, Compliance and Legal	1.40%	3,500	Auditor fees, Registrations Bank Staff etc.,	Year 2024		2,250	1,250
	<b>Total Credit amount</b>	<b>100%</b>	250,000	<b>Two Hundred and Fifty Thousand US dollars</b>		<b>17,000</b>	<b>163,750</b>	<b>69,250</b>

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# BIVASTRA TEXTILES PRIVATE LIMITED

Self-Sustaining and Self-Funding project for Custom-Design Garments on Blockchain

Date: 29-05-2023



## SEWING FACTORY ASSESSMENT

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9/10/2019 Gmail - Sewing Factory in Addis Ababa

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Ravisankaran Ra.C. <ravigarments@gmail.com> **Sewing Factory in Addis Ababa**

**Bill Hunt** <wfh@champrosports.com> Sun, Feb 17, 2013 at 11:39 PM To: ravigarments@gmail.com  
Cc: Ryan Hunt <rhunt@champrosports.com>

Hi Ravi,

I apologize for not responding sooner to the excellent analysis you prepared, proposing that Champro Sports establish a CMT factory in Ethiopia. As Ryan may have mentioned, I had surgery on my foot and have been out of the office and working on a limited basis. I am now back in the office and working full time.

I am very impressed by the depth of your analysis and the numbers you gathered to substantiate your proposal. You present a very compelling case for Champro to establish our own factory. While we previously have not even considered direct investment in Ethiopia as a possibility, you have opened our eyes to the potential and I think we need to give your study due consideration.

We are currently investing time and money to expand our production capabilities in Haiti. We are undertaking this to enhance our capacity in Ethiopia so we can eventually eliminate our purchases from Pakistan. I am hopeful that we will complete our project in Haiti later this year and then be in a better position to truly consider your proposal and investigate all details. I plan to travel to Ethiopia later this year and will schedule time to talk with you and government officials, to gather more information. In the meantime, don't hesitate to let me know your thoughts and ideas.

Thanks again for initiating this effort.

Best Regards,

Bill



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# Comprehensive Analysis

## New Privilege from Ethiopian Government for Garment and Textile Sector Industrial Zone for Garment and Textile Sector

Ethiopian Govt., decided to encourage foreign investment in garment manufacturing sector and accordingly, The Government has established special Garment Industrial Zones by the direct supervision & control of Industry Ministry

The Industrial Zone is situated at “Lemmy” which is very near to Bole Airport, Just 15 minutes away by road. The total area is 156 hectares. All necessary infrastructures like Road, Drainage, Electricity (uninterrupted power supply), and Telephone, internet lines are properly affixed around that zone. In addition they planned to build a labour residence and canteen also. Already the government completed several 10,000 and 5,000 Sq Metres pre-fabricated steel roofing buildings and those are allotted too many foreign export product manufacturing factories.

### One stop service

To encourage foreign investment in the garment and textile sector the government of Ethiopia introduced the “**one stop service**” through MOTI (Ministry of Textile Institute) that means investors should not have to go and collect different kinds of licences at different offices. Investors can submit their project to the Director of Industry Ministry and they will arrange all kinds of necessary certificates like Investment licence, Name Registration, Business licence, Import and Export licence, Factory Building Lease, Voucher etc., in addition they will allot the required Loan also.

### Space for [Bivastra](#) Textiles Private Limited

**Bivastra inc.** have a plan to attain a space to establish a Vertically Integrated Garment and Textile Manufacturing Factory in and around any one of already established Industrial Zones in Ethiopia

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**Positive Points:** (Revised based on the new privilege)

1. No need for a local investor's partnership to establish a company here in Ethiopia. **BiVastra Inc.**, can own a Factory and hold all legal powers by its name.
2. As BiVastra Textiles has a Market , it is possible to keep the factory busy throughout the year.
3. Regardless of Style (Whether it is Pants or Jersey) Estimated CMP (Cutting Making and Packing) cost per garment is \$0.50 (Fifty cents only). Please refer to the attached Part-VI "Average CMP Cost Estimation Chart". For calculation purposes, we have considered \$0.35 savings from the CMP cost for what we are paying to other subcontractors per garment and that will help **BiVastra** to save \$840,000 per year. By using this money we can re-settle the Term Loan, Working Capital Loan and initial investment (TL 950,506 + WCL 353,356 + Invest 407,360 = \$1,711,222) **within 2 years approximately. From the Full package (including Fabric, Trims and Accessories) Order Company can attain at least 25% to 35% profit.**
4. **70% Bank Loan** is going to allot by the Industry ministry against the project without any delay or problem.
5. There are Five years Tax Holiday\*
6. This factory is equipped to arrange 20 lines, and is capable of producing 13,000 units per day. For calculation we have taken 15 lines only. 12 jersey lines and 3 baseball pants lines. Jersey line's are capable of producing 6000 to 7000 units per shift and Pants line's are equipped to produce 3000 Baseball pants per eight hours.
7. Total estimated Production Capacity is 10,000 units per 8 hours. 2.9 Million Units per Year. (10000 X 24 days X 12 months = 2.9 Millions)
8. Planned to hire 10 Expatriate Staffs to manage the Factory, Please refer "Part-IV-A Operator, Staff Requirement Analysis and Cost" Chart. As this factory has 10 Expatriate staff, controlling the factory is easy and we ensure world standard service to our USA Head office as well as to our customers.



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9. According to the urgency we can increase/convert any lines to a pants or jersey line. So possible to ensure in time delivery to our customers.
10. As we have more lines we can avoid [Air-Shipments](#).
11. Through [Hand Scissors Cutting Masters](#) we can maintain printed strips properly for our referee jerseys kind
12. As the order quantity is very low for Custom jersey orders, we may improve cutting quality and speed through hand scissors cutting Masters. We [Can Do More Custom Jersey](#) orders.
13. This project factory has [Embroidery Machines](#) so Possible to increase [Custom Jersey Orders](#), we are able to deliver the goods in time.
14. Through our [Expatriate Embroidery Punching Designer](#) we can modify the designs from our customer any time without any delay.
15. The factory has a CAD [System](#) through which we can increase Fabric Efficiency and [Reduce Fabric Wastages](#). According to the size of the garments we may order the required width of fabrics from Ethiopia and possible to reduce 10 to 20% fabric wastages in each style.
16. We can develop samples within a day through our [Equipped Sampling Section](#).
17. We are equipped to [Send and Receive Patterns](#) through our CAD CAM systems.
18. As we have an Expatriate Store manager we can [Keep Accurate Stock Details](#). We [Estimate shortage](#) of items ahead of time. Presently we are forced to make air shipments of raw materials because of a shortage of items that are identified by the factory at the last minute. And the factories are thinking keeping accurate stock details and finding the shortages is not their duty.
19. We have a plan to increase salaries to the Helpers, Operators more than the Ethiopian Salary standard. In addition According to productivity, Incentive scheme is going to be implemented in the factory. This will improve the quality standard in our product. Workers will get enthusiasm to do great work. Productivity will increase.

20. As we planned to provide sufficient salary incentives to Factory Workers, they become comfortable to fulfil their basic needs, and we will earn long standing Operator's strength at our factory. "Ultimate Goal of Bivastra inc." is finding a way to help Africa on the other hand using the duty free import privilege which was given by the USA, Canada and Europe Governments which will help the investors to attain passive and legitimate income as dividend from this project.
21. Whenever we need, we can sell the company shares and we may take back that money without any problem from Ethiopia. It is allowed and promised by the Ethiopian Government. The Government is giving guarantee for the investment in Ethiopia.

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## Cost and Means of Finance



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Items	\$	Remark
Machinery	<b>\$ 1,503,204</b>	Refer Part-III-A Machine Requirement Estimation and Cost Sheet
Machinery Spares	<b>\$ 272,757</b>	
Building 1st Phase	<b>\$ 1,369,863</b>	
Store Building	<b>\$ 273,972</b>	
Toilet Building	<b>\$ 6,600</b>	
Canteen Building	<b>\$ 123,287</b>	
Canteen Store Room	<b>\$ 41,095</b>	
Canteen Toilet	<b>\$ 2,465</b>	
First Aid Hospital	<b>\$ 41,095</b>	
Working Capital requirement for Six Months	<b>\$ 468,716</b>	Refer Part-V Working Capital Loan Estimation
<b>Total</b>	<b>\$ 4,103,054</b>	
<b>Means of Finance</b>		
Initial Investment - 30%	<b>\$ 450,961</b>	Ttl Machinery Value = Initial investment and Term Loan = <b>\$1,503,204</b>
Term Loan - 70%	<b>\$ 1,052,243</b>	
Working Capital Loan	\$ 468,716	
<b>Total</b>	\$ 1,971,920	
<b>Interest Calculation</b>		
Term Loan Interest	\$ 9,646	
Working Capital Loan	\$ 4,297	
<b>Total Interest per Month</b>	\$ 13,943	
30% for \$ 1,358,785 is	\$ 450,961	
70% for \$ 1,358,785 is	\$ 1,052,243	
<b>Total</b>	<b>\$ 1,503,204</b>	



# Machine Requirement Estimation and Cost

Revised 2021 - Required Machine Plan for knits - Medium duty								
S.No.	Machine Type / Required Items	Manufacturer	Units	Model	Unit Price	Price / Unit \$	Total Price	Remark
1	Fabric Inspection Machine with Yard count	Ramsons	1	RF1 01E	280,000	5,600	\$5,600	
2	Fabric Auto laying Machine	Bullmer Grmn	1		--	46,750	\$46,750	
3	Fabric lay table	Morgan	4	Rs.25000/Mtr=>7*25000	175,000	3500	\$14,000	72 Inch 7 Meter - Per Table 1500 Pcs/Day
4	Fabric Lay Table for Woven and Pants	New horizon	2	Rs.2400/Mtr*7*2	16,800	336	\$672	Total 9000 Pcs/Day - 72 Inch 7 Metre
5	Band Knife Machine	Cut & Fit	1	CF900	90,000	1800	\$1,800	
6	Metal Glove	Cut & Fit	5		3,700	74	\$370	
7	Hand Knife Machine	Siruba	6	CM006-8	-	820	\$4,920	
8	Cutting Master Scissors	New horizon	50		1,050	21	\$1,050	
9	Singer Scissors	New horizon	100		900	18	\$1,800	
10	Fabric end cutter	New horizon	6	KS-AUV-8		1200	\$7,200	
	<b>Sewing Section</b>							
11	Single Needle Lockstitch	Siruba	50	DL918-R-M1-40-13	-	635	\$31,750	I.S.M Single Needle Direct Drive Servo Motor Look stitch, 5/32" Edge Vertical Trimming Knife, Medium Fabric, Hi-speed hook, Control Panel, Reverse Feeding, Wiper and Auto Lifter. Micro Lubrication,

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S.No.	Machine Type / Required Items	Manufacturer	Units	Model	Unit Price	Price / Unit \$	Total Price	Remark
12	Ordinary Single Needle Lockstitch (UBT)	Siruba	42	L918-RM1-64	-	560	\$23,520	Single Needle Lockstitch with Vertical edge Trimmer. (Collar)
13	Clutch Motor for all machines	Siruba	132			100	\$13,200	
14	Two Needle Lockstitch	Siruba	3	T828-42-064MLC	-	795	\$2,385	Without inbuilt motor
15	F/L Two Needle Chain Stitch	Siruba	5	F007J-U712A-264/FSP	-	2000	\$10,000	4 Thread 2 Needle Tape binding
16	O/Lock 4 Thread with Vacuum	Siruba	18	747Q-514M2-24-VTE	-	1000	\$18,000	Inbuilt Motor, Direct Drive Four Thread Overlock with Chain Cutter, Solenoid Type, Dust Collecting, Suction Device & Auto Lifter
17	O/Lock 5 Thread with Vacuum	Siruba	100	757Q-516M2-35-CTE	-	1085	\$108,500	Inbuilt Motor, Direct Drive Four Thread Overlock with Chain Cutter, Solenoid Type, Dust Collecting, Suction Device & Auto Lifter
18	F/L Cylinder bed Left Side Fabric Trimmer for bottom and sleeve hemming;	Siruba	30	C007K-W812-356/CRL/UTP	-	2750	\$82,500	5 Thread 2 Needle Cylinder bed; fabric trimming before hemming for sleeve and bottom hemming.
19	F/L Cylinder bed Right Side Fabric Trimmer for Waist Elastic attaching.	Siruba	8	C007KD-W532-356/CR/CX/UTP/RLP	-	3100	\$24,800	5 Thread 2 Needle Cylinder bed; Right hand side fabric trimming before for Waist band elastic attaching
20	F/L Small Cylinder bed for Bottom hem, seam covering / Overturned seam covering	Siruba	14	S007KD-W922-464/CW	-	1470	\$20,580	Flat Seaming 6 Thread 4 needle small Cylinder
21	F/L Flatbed Regular Cover stitch	Siruba	15	F007KD-W122-356/FHA	-	1450	\$21,750	5 Thread 3 Needle Regular Cover stitching
22	F/L Flatbed Elastic Inserting & Binding	Siruba	2	F007J-W222-356/FFD	-	1620	\$3,240	5 Thread 3 Needle Elastic Inserting and Binding

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S.No.	Machine Type / Required Items	Manufacturer	Units	Model	Unit Price	Price / Unit \$	Total Price	Remark
23	F/L Flatbed Electric Elastic or Lace Attaching	Siruba	2	F007K-W522-356 /FR/FE	-	1600	\$3,200	5 Thread 3 Needle Electric Elastic or Lace attaching
24	F/L Cylinder bed Multi needle (12) for Waistband	Siruba	12	VC008-12064P	-	1335	\$16,020	Multi-needle chain stitch without Inbuilt motor
25	Feed-off-the-arm - 3 Needle	Siruba	8	FA007-364M/DP	-	1975	\$15,800	
26	Picoting Machine	Siruba	2	Z008-2-48		2050	\$4,100	Picoting Chain Stitch
27	Snap Button Attaching Machine	Orbito	7	ORBITO ZN-90	-	300	\$2,100	
28	Button Hole	Siruba	4	BH790-A	-	3590	\$14,360	Electronic Lockstitch Button Hole with Inbuilt Motor
29	Button Attaching	Siruba	7	BT290-A1-S/TC		6500	\$45,500	
30	Bar tack machine-With Button sewing attachment	Siruba	8	BT290-DS-A	-	2850	\$22,800	Electronic Bar tacker
31	Binder Cutter, Rib Cutter	New Horizon	3	LU-933	-	1350	\$4,050	
32	Heat Transfer Machine	New Horizon	10	US-6800	-	1200	\$12,000	
33	Collar cuff Auto Fusing Machine	New Horizon	1	OP-60NII	-	8400	\$8,400	

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S.No.	Machine Type / Required Items	Manufacturer	Units	Model	Unit Price	Price / Unit \$	Total Price	Remark
	<b>Baseball Pants Line</b>							
34	Single Needle	Siruba	95	L918-RM1-64	-	560	\$53,200	
35	O/Lock 5 Thread with Vacuum	Siruba	37	757Q-516M2-35-CTE	-	1085	\$40,145	Inbuilt Motor, Direct Drive Four Thread Over lock with Chain Cutter, Solenoid Type, Dust Collecting, Suction Device & Auto Lifter
36	F/L Cylinder bed Multi needle (12) for Waistband	Siruba	6	VC008-12064P	-	1335	\$8,010	Multi-needle chain stitch without Inbuilt motor
37	F/L Flatbed Regular Coverstitch	Siruba	25	F007KD-W122-356/FHA	-	1450	\$36,250	5 Thread 3 Needle Regular Cover stitching
38	Snap Button Attaching Machine	Orbito	7	ORBITO ZN-90	-	300	\$2,100	
39	Bar tack machine-With Button sewing attachment	Siruba	6	BT290-DS-A	-	2850	\$17,100	Electronic Bar tacker
			835					
	Attachments							
	Spares for above all machines			749000			\$100,000	
	Production Line Table		100	ARF-DLT-C	14,250	285	\$28,500	

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S.No.	Machine Type / Required Items	Manufacturer	Units	Model	Unit Price	Price / Unit \$	Total Price	Remark
	<b>Checking and Finishing</b>							
40	Stain Removing Machine	Ramsons	1	CL5	65,000	1300	\$1,300	
41	Auto Thread Cutting Machine		20		-	250	\$5,000	
42	Thread Sucking Machine	Ramsons	2	TSM 77S	55,000	1100	\$2,200	
43	Checking table Flat		20		7,200	144	\$2,880	4 Checkers each table
44	Needle/Metal deduct machine	Ramsons	1	RAM 520 ND	160,000	3200	\$3,200	
45	Industrial Vaccum Iron table	Ramsons	15		24,000	480	\$7,200	5' X 4' Double Motor Sound less
46	Pressing Box Heat less + Steam	New Horizon	15	NH-6362W	--	100	\$1,500	
47	Pressing Box	New Horizon	5	NH-6362W	--	100	\$500	
48	Packing, Assorted, Polybag table		10		10,200	204	\$2,040	
49	Carton box Packing Table		2		7,200	144	\$288	
50	Tagging Gun		40		105	2.1	\$84	
51	Gum tape feeding packing machine		10		750	15	\$150	
52	Zebra Printer for Barcode	Zebra	2	S4M 300 DPI	67,600	1352	\$2,704	
53	Numbering Machine steel body	New horizon	20		4,600	92	\$1,840	
54	Stamping Machine		20		250	5	\$100	

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S.No.	Machine Type / Required Items	Manufacturer	Units	Model	Unit Price	Price / Unit \$	Total Price	Remark
	<b>Decoration Items</b>							
55	Embroidery Machine 9 Color; 20 Head	Tajima	1	TFGN-920	--	82500	\$82,500	
	<b>Pattern Designing</b>							
56	CAD Software	Astor CAD	1		350,000	7000	\$7,000	
57	Digitizer	USA	1		--	2800	\$2,800	
58	Plotter	IOLINE - USA	1		--	10500	\$10,500	
59	Consumables - Plotter Paper		5		1,500	30	\$150	
60	Pattern Designing Table		1		7,200	144	\$144	
61	Final Inspection Table		1		7,200	144	\$144	
62	GSM Rounder Cutter	Cut & Fit	1		6,500	130	\$130	
63	Washing Mach., Industrial 5Kg for shrinkage		1		-	0	\$300	
64	Cabinet box		1		-	0	\$200	
65	Pantone Book TPX or TCX	Kayemess	1	FPP120	23,000	460	\$460	
	<b>Work Shop</b>							
	Grinding, Welding, Sharping, Tools, Table		1		150,000	3000	\$3,000	

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S.No.	Machine Type / Required Items	Manufacturer	Units	Model	Unit Price	Price / Unit \$	Total Price	Remark
	<b>Power</b>							
66	Generator 100 KV	Kirloskar	1	SR1040T	639,000	12780	\$12,780	250KVA
67	Electric 27 KW Boiler for 10 Industrial Iron	Ramsons	2	MR-27 Automatic	120,500	2410	\$4,820	
	<b>Transportation</b>							
68	Car - Br. 500,000		1		-	27397	\$27,397	Used Vehicle
69	Carrier Van - Br. 692,000	Moenco	1		-	25279	\$25,279	Used Vehicle
70	MiniBus - 13 Seater Br. 800,000	Moenco	1		-	29224	\$29,224	Used Vehicle
71	Buss - 37 Seated; Br. 1,733,000	Moenco	3		-	47479	\$142,438	Used Vehicle
	<b>Furnitures</b>							
	Operators Stool	A.R Furniture	550		750	15	\$8,250	Steel & Wooden
	Other all furniture's Approximate		1		-	13000	\$13,000	
	Sofa set		1		50,000	1000	\$1,000	
	Wooden Biros		2		12,000	240	\$480	
	Sample Storing bureau		2		5,500	110	\$220	
	Spares keeping bureau		2		5,500	110	\$220	
	Fabric Storage racks	A.R Furniture	100		11,340	226.8	\$22,680	2 ton capacity each
	Fabric Lifting and Moving Trolley	A.R Furniture	4		8,250	165	\$660	300 Kgs Capacity

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S.No.	Machine Type / Required Items	Manufacturer	Units	Model	Unit Price	Price / Unit \$	Total Price	Remark
	Cartons Lifting and Moving Trolley	A.R Furniture	4		4,750	95	\$380	100 Kg Capacity
	Cut bits Storage racks		15		3,500	70	\$1,050	
	File cabinets		4		9,000	180	\$720	
	Computer Flat Screen Windows8		9		45,000	\$900	\$8,100	
	Lap top		2			\$700	\$1,400	
	Photocopier Big		1		75,000	1500	\$1,500	
	Printer		3		6,000	150	\$450	
	Mobile Phone		10		4,500	\$90	\$900	
	Telephones for Intercom		10		1,000	20	\$200	100
	TV		2		12,000	240	\$480	
	CCTV Equipments	Sai Commun	1		49,550	991	\$991	A full set with more cameras
	Notice bell		1		2,500	50	\$50	
	Notice Board		1		2,000	40	\$40	
	Writing Board for Production		8		2,000	40	\$320	
	Teaching or Writing Board		2		2,000	40	\$80	
	Canon Camera		1		15,000	\$300	\$300	
	Canteen							
	Table		100	15500	1,550,000		\$20,946	
	Bench							

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	Floor cleaning Vacuum		2		7,000	140	\$280	
<b>S.No.</b>	<b>Machine Type / Required Items</b>	<b>Manufacturer</b>	<b>Units</b>	<b>Model</b>	<b>Unit Price</b>	<b>Price / Unit \$</b>	<b>Total Price</b>	<b>Remark</b>
	Air puller for machine clean		10		-	0	\$1,200	
	Other important							
	Fire prevention equipments system				-	0	\$2,500	
	Safety lockers for workers		1	400 rooms 37000	37,000	740	\$1,000	
	Time card punching machine		3		5,000	100	\$300	
	Water filter		5		3,500	70	\$350	
	Baskets to keeps cut bits on line		30		450	9	\$270	
	<b>First aid clinic</b>							
	Beds		2		3,500	70	\$140	
	Above Price missed items price						\$6,000	
	Unpredicted Expenses						\$138,473	
	Factory Establishment Unpredictable						\$10,000	
				<b>Total</b>			<b>\$1,503,204</b>	

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# Building Plan and Approximate Expenditure

## 1st Plan

S.No.	Building Items	Used Materials	Sq Metre			Ttl Sq Mtrs.	Price/Sq Mtrs	Total Price	in USD
			Length	Width	Height				
1	Factory Building	Prefabricated Iron Pillars, Iron beams, Steel Roofing, Cement floor with Painting on floor. Brick wall for visible area; 10 feet height, rest of the gap filled by hollow block for 10 feet. Above 10 feet all steel coverage.	100	50		5000	5000	25,000,000.00	Building Expenditure Cancelled because Ethiopian Government is going to allot Prefabricated Steel Roofing building for Champro.
2	Store Building	Prefabricated Iron Pillars, Iron beams, Steel Roofing, Cement floor with Painting on floor. Brick wall for visible area; 10 feet height, rest of the gap filled by hollow block for 10 feet. Above 10 feet all steel coverage.	50	20		1000	5000	5,000,000.00	
3	Toilet Building	Hollow Block Walls and steel roofing	40	1.5		60	2000	120,000.00	
			<b>Total Building Cost</b>					<b>30,120,000.00</b>	<b>\$ 1,650,411</b>

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# Building Expansion Plan and Cost

## 2nd Plan

S.No	Building Items	Used Materials	Sq Metre		Ttl Sq Mtrs.	Price/ Sq Mtrs.	Total Price	USD
			Length	Width				
1	Canteen Building	Hollow Block walls and steel roofing with necessary windows and doors.	30	25	750	3000	2,250,000	
2	Canteen Store Room	Hollow Block walls and steel roofing with necessary windows and doors.	10	25	250	3000	750,000	
3	Canteen Toilet Building	Hollow Block Walls and steel roofing	15	1.5	22.5	2000	45,000	
4	First Aid Hospital	Hollow Block walls and steel roofing with necessary windows and doors.					750,000.00	
			Building Cost				3,795,000	<b>\$ 207,945.21</b>

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# Operator, Staff Requirement & Expenses

Designation	Man Power	Salary in Birr	Total Exp., Per Month in Birr	Remark
Operators	420	900	378,000.00	Need to check and revise All Salaries according to the present situation.
Line Helpers	80	800	64,000.00	
Quality Checkers	30	800	24,000.00	1. Three Baseball Pants lines
Line Quality	15	900	13,500.00	2. Twelve Jersey lines
Line Supervisor	15	900	13,500.00	3. Total 15 Lines and More
Trimmers	30	800	24,000.00	4. Estimation 8000 Pcs/Day and More
Lay Masters	16	1100	17,600.00	5. Per Month 192,000 Pcs/24 Days
Cutting Quality	2	850	1,700.00	6. Not less than 2.3 million Units Per Year
Bundling Helpers	6	800	4,800.00	
Cutting Master	2	1100	2,200.00	7. Expatriate Strength = 10 Peoples
Iron Masters	15	800	12,000.00	
Thread sucking	1	800	800.00	8. Operator's minimum Salary is at least 25% higher than other factories around Ethiopia.
Metal deduct	1	800	800.00	
Carton Box Man	2	800	1,600.00	9. Minimum Salary is 750 Birr for helpers
Store helper	6	800	4,800.00	10. Performance bonus planned
Mechanic	1	4500	4,500.00	11. Piece Rate System Planned
Mechanic	3	3500	10,500.00	12. Low scale candidates are going to earn at least 100 birr to maximum 300 birr as a performance bonus per month. 645 Peoples are eligible for performance bonus.
Drivers	7	2500	17,500.00	
Barcode Printing	2	900	1,800.00	
Floor Cleaner	4	900	3,600.00	
Nurses	1	3500	3,500.00	13. Rough estimation for performance bonus is \$5300 Per month.
Assistance Nurse	1	2500	2,500.00	
Documentation	1	3500	3,500.00	
Assist Documents	2	2000	4,000.00	
Accounts Incharge	1	5000	5,000.00	14. Category wise uniform Planned
Assist Accounts	3	3000	9,000.00	
Assist Merch	1	4000	4,000.00	15. Insurance planned



Assistant Merch	3	2500	7,500.00	16. Emergency hospital
HRD Follow-ups	1	2500	2,500.00	17. Fire prevention added
Assist	2	2000	4,000.00	
Security	6	2000	12,000.00	
QAD	1	4000	4,000.00	
Assistant PM	2	7000	14,000.00	
Pattern Assistant	1	2500	2,500.00	
Salary Exp.,			679,200.00	

<b>Operator, Staff Requirement &amp; Expenses Plan</b>				
<b>Designation</b>	<b>Man Power</b>	<b>Salary in Birr</b>	<b>Total Exp., Per Month in Birr</b>	<b>Remark</b>
BF Total			679,200.00	
<b><u>Expatriate</u></b>				
<b>Merchandiser - \$1000</b>	<b>1</b>	<b>18250</b>	<b>18,250.00</b>	<b>Expatriate</b>
<b>Operation Manager - \$3500</b>	<b>1</b>	<b>63875</b>	<b>63,875.00</b>	<b>Expatriate</b>
<b>production Manager - \$1200</b>	<b>1</b>	<b>21900</b>	<b>21,900.00</b>	<b>Expatriate</b>
<b>Mechanic - \$900</b>	<b>1</b>	<b>16425</b>	<b>16,425.00</b>	<b>Expatriate</b>
<b>Q.A - \$700</b>	<b>1</b>	<b>12775</b>	<b>12,775.00</b>	<b>Expatriate</b>
<b>Cutting - \$650</b>	<b>1</b>	<b>11862.5</b>	<b>11,862.50</b>	<b>Expatriate</b>
<b>Store Manager - \$800</b>	<b>1</b>	<b>14600</b>	<b>14,600.00</b>	<b>Expatriate</b>
<b>IT + Industrial Engineer - \$750</b>	<b>1</b>	<b>13687.5</b>	<b>13,687.50</b>	<b>Expatriate</b>
<b>Designer, Manager - \$1000</b>	<b>1</b>	<b>18250</b>	<b>18,250.00</b>	<b>Expatriate</b>
<b>Pattern Master - \$1000 (CAD)</b>	<b>1</b>	<b>18250</b>	<b>18,250.00</b>	<b>Expatriate</b>
Expatriate House	0	25000	25,000.00	
Expatriate Food Allowance	0	10000	10,000.00	
Expatriate Flight Allowance		18000	18,000.00	
<b><u>Performance bonus</u></b>				
<b>Estimated candidate</b>	<b>645</b>	<b>200</b>	<b>129,000.00</b>	<b>\$7,068</b>
Total Man Strength	10			
Total Salary Expenditure per Month			1,071,075	<b>\$58,689</b>

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# Furniture Requirement Plan

S.No.	Items	Units	Price / Rs.	Total Cost	in USD
1	General Manager Table, Chair + Visitor Chairs	2	30000	60000	
2	Zebra Printer table and chair	2	8000	16000	
3	Office table and chair	13	7000	91000	
4	Visitor chairs for office	8	2500	20000	
5	Reception table, chair	1	20000	20000	
6	Visitors at reception	12	2500	30000	
7	Pattern Master chair	1	2500	2500	
8	Production Floor table chair for PM,	3	7000	21000	
9	Merchandiser table chair	3	7500	22500	
10	Store table and chair	1	7500	7500	
11	Buyer meeting room with chairs	1	50000	50000	
12	Two steel cot for first aid with bed	2	3000	6000	
13	Steel single cot for Expatriate	10	3500	35000	
14	Sofa set	2	40000	80000	
<b>Total</b>				461500	<b>\$ 10,489</b>

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# Vehicle Fuel Expenses estimation

S.No.	Items	Units	Approximate Vehicle Riding KM			Remark
			Per Day	Total Per day	Per Month KM	
1	Bus	3	80	240	6000	11 KM per Litres Diesel Need to revise cost of petrol
2	Mini Bus	1	65	65	1625	
3	Carrier	1	60	60	1500	
4	Car	1	60	60	1500	
Per day running distance				425		
Per month 25 days					10625	
Litres per month					966	
Diesel Price					17 Birr	
Total expenses Per month					16420	
Round Off in Birr					16,500	
in USD					904	
Round off in USD					<b>\$ 900.00</b>	

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# Monthly Factory Expenditure Estimation

S.No.	Items	Birr	USD	Remark
1	Salary Expenditure	1,071,075	\$ 58,689	Revised from previous
5	Term Loan interest	159,012	\$ 8,713	11% Interest - Revised
6	Working Capital Loan interest	59,112	\$ 3,239	11% Interest
2	Current Bill	25,000	\$ 1,370	
3	Water Bill	2,000	\$ 110	
4	Machine Oil; \$1.66/ Ltrs	3,194	\$ 175	100 Litres Per month; 200 Sri-Lankan Rupees per litre.
7	Vehicle Maintenance	6,500	\$ 356	
8	Vehicle Gas	15,435	\$ 846	
9	Generator Gas	5,000	\$ 274	
10	Tax	-	\$ -	No tax for 5 years
11	Telephone Expenses	10,000	\$ 548	
12	Office Stationery	3,000	\$ 164	
13	Labor Welfare	17,500	\$ 959	
14	Factory Building Rent	297,475	\$ 16,300	Government Building
15	Building Maintenance	10,000	\$ 548	
<b>Total Expenses</b>		<b>1,684,303</b>	<b>\$ 92,291</b>	
<b>Factory Overall Expenses are in Lt Grey Color</b>			<b>\$ 21,650</b>	

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## Working Capital Loan Estimation for six months

S.No.	Items	Birr	\$	Remark
1	Salary	1,071,075		11% interest per year taken for calculation
2	Current bill	25,000		
3	Water bill	2,000		
4	Machine Oil	3,194		
5	Vehicle Maintenance	6,500		
6	Vehicle Gas	15,435		
7	Generator Gas	5,000		
8	Miscellaneous	297,475		
One month expenses		<b>1,425,679</b>		
Six months expenses		8,554,074	\$ 468,716	
Hence Working Capital need is			<b>\$468,716</b>	
<b>Interest per month</b>		<b>78,412</b>	<b>\$ 4,297</b>	

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## Average CMP Cost Per Unit - Analysis

Items	\$	Remark	Calculation	
Salary Expenses per Month	\$ 58,689.00	Please Refer Part-IV-A Chart		
Term Loan Interest per Month	\$ 11,726.00	11% per Annum - Loan amount is \$950,506 Please Refer part-II		
Working Capital Loan interest per Month	\$ 4,297.00	Please Refer Part-V Chart		
Factory overall expenses per Month	\$ 21,650.00	Please Refer Part-IV-D Chart		
Building depreciation per Month	\$ -	Rented Building		
Machinery Depreciation per Month	\$ 22,646.00	Straight line Depreciation Calculation method for 5 Years - Please Refer Part-III-A	(1358785/5)/12	22646
Total Factory expenses per Month	\$ 119,008.00			
Total Production per Month	240,000	Units regardless of jersey or pants		
Per garments CMP cost	\$ 0.50	Total Factory Expenses / Total Production		
<b>CMP Cost Per Unit = Regardless of Pants or jersey per garments cutting to packing cost is</b>	<b>\$0.50</b>	CMP* Means Cutting Making and Packing		

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## Style wise Output at KTF

S.No.	Style	Plan Machines	Used Machines	International Minutes	Estimated Output	Actual Output	Diff
1	BPS10	17	21	10.5	785	310	-475
2	BPVY	19	16	6.7	1375	750	-625
3	BPS9	21	15	12.5	850	350	-500
4	BS17	18	16	9.5	918	500	-418
5	NY16	42	39	22.5	905	430	-475
6	BS27	21	20	10.57	917		-917
7	BPY	20	19	8.5	1141	650	-491
8	BBS4	10	10	10.7	453	250	-203
9	BBS8	16	17	12.6	616		-616
10	FJ2	11	14	4.8	1112	650	-462
11	BBS7	23	15	9.9	1174	350	-824
12	BST5	13	12	6.6	881	660	-221
13	SS6	10	12	5.2	750	350	-400
14	BBS10	17	20	7.2	573	350	-223
15	BBS5	9	13	3.6	1212	416	-796
16	FV	10	10	2.3	2108	1800	-308
17	BS16	16	17	9.1	799	300	-499
18	BST6	20	19	10.2	476	250	-226
19	BP1Y	24	23	10.8	1078	450	-628
20	FJ12	18	19	9	1082	400	-682
21	BBJ4	17	19	8.1	1018	579	-439
22	X-CSW	12	18	3.1	1877	1100	-777



23	DGC1	11	18	7.5	711	490	-221
24	BBS	12	13	5.1	1141	540	-601
25	BBSP	12	13	5.1	1141	517	-624
26	FJ8	20	20	8.4	1151	550	-601
27	FJ6	21	20	8	1273	500	-773
28	BPYU	18	17	7.7	1133	600	-533
29	BST62	28	28	13	1044	700	-344
30	BBJ4	17	19	8.1	1018	450	-568
31	C-2BP	16	18	8.4	924	420	-504
32	BPV1Y	26	21	18	700	300	-400



## Machines are used for different styles

S.No.	Style	O/L	F/L	S/N	Bartack	Button	Kansai	Total
1	BBSP	6.5	1	2.5	0	0	1	11
2	XCSW	2.5	5	2.5	0	0	0	10
3	BBJ8	9	2.5	15	0	0	0	26.5
4	DGC1	4	5.5	1	0	0	0	10.5
5	BS17	8	2	8.5	0	0	0	18.5
6	BPS7	6.5	11	3	0	0	0	20.5
7	BPS10	6	5	6	0	0	0	17
8	BPS9	1.5	8	3	0	0	0	12.5
9	FJ12	4	3.5	2.5	0.5	0	0	10.5
10	BS16	5.5	1	5	0	1	0	12.5
11	BST5	7.5	2	3	0	0	0	12.5
12	BP1Y	4	2.5	14	2	0	1	23.5
13	BPVY	4	2	10	2	0	1	19
14	BST6	9	2	9	0	0	0	20
15	FV-6	8	1	1	0	0	0	10
16	BBS5	5	1	2	0	0	1	9
17	SS6	7	1	3	0	0	1	12
18	BS14	5	2	5	0	1	0	13
		103	58	96	4.5	2	5	268.5



# Total Project Estimation

S.No.	Unit Detail	In Dollars
1	<b>Spinning Mill</b> (Building, Store, Toilet, Stock, Canteen) Rate of Return 35%+ per Year; 500 Peoples will get job Break Even Point: 41%	<b>5,135,135.00</b>
2	<b>Flat &amp; Circular Knitting Mill</b> (Building, Store, Stock, Toilet) Rate of Return 50% per Year 200 Peoples will get job Break Even Point: 20%	<b>6,435,783.00</b>
3	<b>Fabric Bleach, Dye, Wash,</b> (Natural Dry, Building, Toilet) Rate of Return 50% per Year; 75 Peoples will get job Break Even Point: 20%	<b>650,729.00</b>
4	<b>Yarn Dyeing</b> (Building, Natural Dry, Toilet, Canteen,) Rate of Return 64% per Year; 45 Peoples may get job Break Even point 24%	<b>662,581.00</b>
5	<b>Sewing Factory</b> (Building, Toilet, Store, Stock, Canteen) Rate of Return 20% per Year; 694 Peoples may get job	<b>3,494,919.00</b>
6	<b>Corrugated paper box</b> (Building, Toilet, Store, Stock) Rate of Return 49%; 16 Peoples will get job Break Even Point 40%	<b>512,837.00</b>



7	<b>Woven Label Set-up</b> Rate of Return 50%; 20 Peoples will get job	<b>411,351.00</b>
8	<b>Button Producing Setup</b> Rate of Return 70% per Annum; 4 Peoples will get job	<b>75,675.00</b>
9	<b>Elastic Band, Ribbon, Lace Set-up</b>	<b>811,202.00</b>
10	<b>Tubular &amp; Open width Compacting Machine</b>	<b>200,000.00</b>
11	<b>Printing Setup</b> Garment Printing Machine – Rs. 41,00,000.00 Direct to Garment Printing Machine – Rs. 35,00,000.00 Label Printing Machine –Rs. 2,50,000.00 Automatic 12 Color 40 Stay – Rs. 82,52,000.00 Fabric Curing Machine – Rs. 1,78,000.00 Manual 8 Color 8 Stay Machine – Rs. 5,15,000.00 Rotary Printing Machine – Rs.2,50,00,000.00 Land and Building – Rs.2,00,00,000.00 Miscellaneous – Rs.1,00,00,000.00	<b>970,202.00</b>
12	<b>Polybag making Set-up</b>	<b>270,270.00</b>
13	<b>Raw material like Cotton, Yarn, Fabric Stock Spare Parts for machinery's</b>	<b>4,054,054.00</b>
	<b>Total estimation for one set-up</b>	<b>23,684,738.00</b>

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# INVESTMENT AND RETURNS ESTIMATION

SELF SUSTAINING, AND SELF FUNDING; CRYPTOGRAPHICALLY ENCRYPTED DIGITAL SHARES FOR CUSTOM DESIGN TEXTILES & GARMENT ON BLOCKCHAIN

		Year - 1	Year - 2	Year - 3	Year - 4	Year - 5	Year - 6	Total
Investment Plan for each year in different currency. Conversion used for Ruble is 0,94 and Dollar is 82	<b>INR</b>	1.000.000.000	4.000.000.000	250.000.000	250.000.000	250.000.000	250.000.000	6.000.000.000
	<b>USD</b>	12.195.122	48.780.488	3.048.780	3.048.780	3.048.780	3.048.780	73.170.732
		Year - 1	Year - 2	Year - 3	Year - 4	Year - 5	Year - 6	Total
Business Volume Estimated in Each year against establishment	<b>INR</b>	100.000.000	500.000.000	3.000.000.000	8.000.000.000	10.000.000.000	10.000.000.000	31.600.000.000
	<b>USD</b>	1.219.512	6.097.561	36.585.366	97.560.976	121.951.220	121.951.220	385.365.854
		Year - 1	Year - 2	Year - 3	Year - 4	Year - 5	Year - 6	Total
Profit percentage	%	10	<b>25</b>	<b>30</b>	<b>35</b>	<b>35</b>	<b>35</b>	
Estimated Profit percentage against Business Volume	<b>INR</b>	10.000.000	125.000.000	900.000.000	2.800.000.000	3.500.000.000	3.500.000.000	10.835.000.000
	<b>USD</b>	121.951	1.524.390	10.975.610	34.146.341	42.682.927	42.682.927	132.134.146

**Bivastra Inc.**

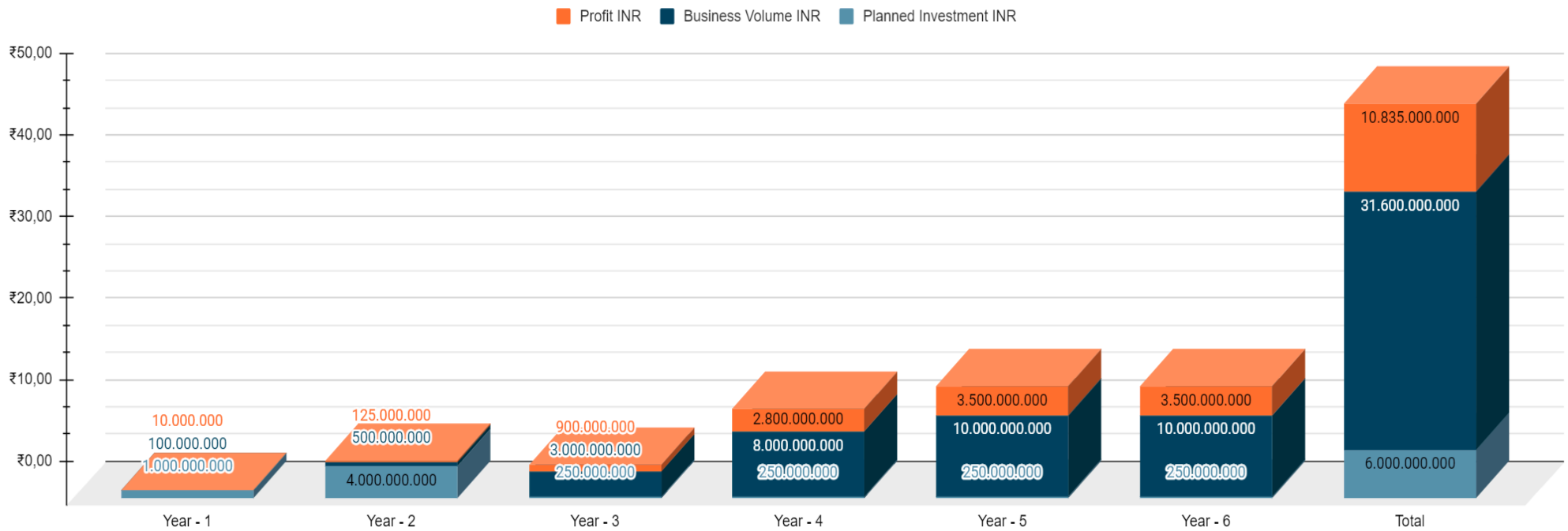
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		<b>NOTE</b>						
		Total planned investment for all setup is INR 6,000,000,000/						
		The first two years used for establishment related works						
		Third year onwards all establishment will start to run						
		Fourth year it will use 60 percent of its full capacity						
		In the middle of 5th year we can take back the total investments						

### Planned Investment, Business Volume and Profit



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# Expected Impact

The Bivastra Inc. project holds significant potential to create a positive impact across multiple dimensions.

**Organisation Impact:** The project aims to drive substantial growth and sustainability for Bivastra Inc. By leveraging innovative technologies and business models, we anticipate increased market presence, enhanced competitiveness, and improved profitability. The project's success will enable us to solidify our position as a leader in the textile industry and expand our operations globally.

**Beneficiary Impact:** Our project directly benefits the target beneficiaries, which include customers, employees, and suppliers. Customers will experience enhanced product offerings, such as custom-designed garments and an efficient online platform for seamless transactions. This personalised experience will result in increased customer satisfaction and loyalty. Employees will benefit from improved job opportunities, skill development, and a positive work environment. Suppliers will enjoy strengthened partnerships and increased business opportunities as we expand our operations.

**Community Impact:** The project's impact extends beyond our organisation and reaches the broader community. Through our commitment to sustainability, we aim to minimise our environmental footprint and promote eco-friendly practices throughout the value chain. This will contribute to a cleaner and greener future, benefiting the local and global community. Additionally, by creating employment opportunities and supporting local economies, we will contribute to socio-economic development and empowerment.

Overall, the Bivastra Inc. project has the potential to generate significant economic growth, social empowerment, and environmental sustainability. We are dedicated to maximising our positive impact and creating a better future for our organisation, beneficiaries, and the wider community.

# Monitoring and Evaluation

To ensure the effective implementation and success of the Bivastra Inc. project, we will employ a comprehensive monitoring and evaluation framework. This framework will enable us to track progress, measure performance, and make data-driven decisions. The following key components will be incorporated:

**1. Key Performance Indicators (KPIs):** We will establish specific KPIs aligned with the project objectives. These KPIs may include metrics such as revenue growth, customer satisfaction ratings, market share expansion, operational efficiency improvements, and sustainability targets. Regular monitoring of these indicators will provide valuable insights into the project's progress.

**2. Data Collection and Analysis:** We will implement robust data collection mechanisms to gather relevant information. This may involve tracking sales data, customer feedback, production metrics, employee performance, and environmental impact data. Collected data will be analysed using appropriate tools and techniques to assess the project's performance against established KPIs.

**3. Periodic Evaluation:** Regular evaluations will be conducted to assess the effectiveness of the project. These evaluations may involve analysing financial reports, conducting customer surveys, performing process audits, and reviewing sustainability initiatives. Evaluation findings will provide insights into strengths, weaknesses, opportunities, and challenges, guiding necessary adjustments or enhancements.

**4. Stakeholder Engagement:** We recognize the importance of engaging stakeholders throughout the monitoring and evaluation process. Regular communication with employees, customers, suppliers, and other relevant parties will allow us to gather feedback, address concerns, and identify areas for improvement. Stakeholder input will be valuable in shaping future strategies and ensuring alignment with their needs and expectations.

**5. Reporting and Review:** Comprehensive reports will be generated periodically to document the project's progress and outcomes. These reports will provide an overview of the key findings, KPI performance, identified trends, and strategic recommendations. Regular review meetings will be conducted to discuss the reports, address any challenges, and make informed decisions to drive continuous improvement.

By implementing a robust monitoring and evaluation framework, we aim to ensure transparency, accountability, and continuous improvement throughout the Bivastra Inc. project. Regular tracking of KPIs, data analysis, stakeholder engagement, and strategic reviews will enable us to measure success, identify areas for enhancement, and make informed decisions to achieve our goals.

# Sustainability and Future Plans

Bivastra Inc. is committed to long-term sustainability and scalability, ensuring that the project's impact extends beyond the initial funding period. We have developed a comprehensive plan to leverage the results achieved and continue creating a positive impact in the following ways:

- 1. Financial Sustainability:** We aim to establish a self-sustaining business model that generates revenue to support ongoing operations and expansion. By optimising our manufacturing processes, streamlining supply chains, and diversifying our product offerings, we will enhance profitability and financial stability. This will enable us to reinvest in research and development, innovation, and market expansion, ensuring the project's long-term viability.
- 2. Market Expansion:** As we solidify our position in the domestic market, we have ambitious plans to expand our presence globally. We will explore opportunities to enter new international markets, leverage trade agreements, and establish strategic partnerships. By diversifying our customer base and exploring untapped markets, we will create new avenues for growth and maximise the project's impact.
- 3. Technology and Innovation:** Bivastra Inc. recognizes the importance of embracing technology and continuous innovation. We will invest in research and development to stay at the forefront of industry trends, incorporating advanced manufacturing techniques, sustainable materials, and digital solutions. By leveraging technology, we will enhance efficiency, reduce costs, and drive innovation, positioning us as a leader in the garment manufacturing industry.
- 4. Social and Environmental Responsibility:** Sustainability is a core value at Bivastra Inc. We will continue to prioritise social and environmental responsibility in our operations. We will implement sustainable practices throughout the supply chain, including responsible sourcing of materials, waste reduction, and energy efficiency measures. Our commitment to fair labour practices, employee well-being, and community engagement will remain integral to our long-term sustainability goals.
- 5. Collaboration and Partnerships:** We recognize the power of collaboration and partnerships in achieving sustainable growth. We will actively seek collaborations with industry leaders, academic institutions, and research organisations to foster knowledge sharing, innovation, and market insights. By building strategic alliances, we will accelerate progress, drive collective impact, and unlock new opportunities for growth and scalability.

Through these initiatives, Bivastra Inc. aims to create a sustainable and scalable business that continues to make a positive impact on our organisation, stakeholders, and the broader community. We remain committed to upholding our core values, embracing innovation, and driving positive change in the textile industry for years to come.

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## Supporting Documents

1. [Incorporate Certificate](#)
2. [Permanent Account Number](#)
3. [Tax Deduction Number](#)
4. [GST Certificate](#)
5. [Startup India Certificate](#)
6. [Director Identification Number - Ravisankaran Ra C](#)
7. [Ravisankaran Adhar](#)
8. [Director Identification Number - Logasaranya K](#)
9. [Logasaranya Adhar](#)
10. [MOA](#)
11. [AOA](#)
12. [P & L Year - 2022](#)
13. [Partnership with STPI and STPINEXT](#)

# Additional Important Documents

1. Pitch Deck
2. [Promo Video - 1](#)
3. [Shares Video](#)
4. [Idea Challenge Video](#)
5. Whitepaper