

### TRIBALAG LIMITED

The first and the largest tribal agri-enterprise to provide traditionally organic farm and village forest produce with robust rural supply-chain and sustainable farming and forestry

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### About us





हमारे किसान माइयों बहनों और आदिवासी उदयमियों, हमने आदिवासी किसानों को जैविक खाद, बीज, जैविक कीटनाशक, और सब्जियों और अन्य फसलों की खेती के लिए बुनियादी समर्थन जैसे सभी प्रकार के इनपुट देकर उनका विकास और समर्थन करने के लिए अगस्त २०१९ में एक संगठन बनाया है। संस्था का नाम TribalAg Limited है।



TribalAg Limited आदिवासियों के साथ हाथ जिला एक साथ काम करने के फायदे :-रहा है और आपसी विकास का लक्ष्य रखता है। 1. TribalAg Limited हमारे साथ जुडे लोगों को नई हमारे साथ तीन तरह के लोग जुडे हए हैं: कपि तकनीक प्रदान करेगा और उन्हें उस लकनीक १. प्रत्यक्ष सामार्थी :- ये वो लोग होंगे जो हमसे को अपनी भूमि में लाग करना होगा। काम से सकते है जिसके लिए उन्हें दैनिक मजदरी २. TribalAg Limited उपज के लिए बड़ा और टी जाएगी। बेहतर बाजार उपलब्ध कराएगा जिससे इस भूमि धारक - ये वो लोग होंगे जो अपने खेत हमें संगठन से जड़े सभी लोगों को फायदा होगा। लीज पर दे सकते हैं। 3. TribalAg Limited सरकारी योजनाओं को किसान:- ये वो लोग होंगे जो अपनी खेत पे खुद धरातल पर उतारने के लिए अपना सर्वश्रेष्ठ देगा खेती करना चाहते है। इन्हें TribalAg Limited का जिससे हम विभिन्न प्रकार के लाभ प्राप्त कर परा समर्थन रहेगा। इंपटस से लेकर मार्केटिंग तक सके। सारे तरह के सहायता दिया जाएगा। y, साथ में हम और बढेंगे।

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### **Traditional Organic From** The Origins

By TribalAg Limited By TribalAg Limited

Products

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Tornalo (Tarvataar

Cabbage (Gobhee)

Brinjal (Baingan)

Paperis (Papital)

Better Geound (Karwia)

Bottle Gourt (Laukee)

Pointed Geard (Panel)

Lodies Pinper (Shindee)

#### About Us

The first and the largest Apri-enterprise cofounded by 1000+ Tribal Micro Agripreneurs in Jharkhand providing traditionally organically farmed vegetables and fruits, processed organic agri-products and organic forest produce, with a robust rural supply chain engaging 10,000+ acres of tribal farmland and 10,000+ acres of Sustainable Social / Village Tribal Forests



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ार्ककर्तनु London अधिवादियों के साथ हाथ जिन्ह यह है और अपासी प्रिवास का सावच प्रायत है। इससे साथ के साथ में स्वेश जुड़े हुए हैं. 1. आपना सालामी - से भी लीग हीने जो इससे काम से सावते है जिनके जिप उन्हें दिशिय मारजूदे ही जागलें। 2. इसि प्रायत - के सो मार हिंग जो अपनी प्रेरत इमें सिज पर दे सावते हैं। 3. किसाल- से को साथ हीने जो अपनी प्रेरत ये कुछ वेती करना पाठी है। इन्हें 166446 London का पूरा अपनीन दोग्या इंयुट्स से जेवर साईदिश एक सरे तरह के सहमात	<ol> <li>राजेक्ट्रों के प्राण्यक रागी जाए जुड़े और्ग की नई मुन्दि स्वायनिक प्राप्तन करेगा और उन्हें उस सामग्रीक को प्रत्यने मुद्दि में साथ करवा होगा।</li> <li>अक्टर्स क्रांट प्राप्तक राज्य के लिए पर प्रोणी के साथ प्राप्तन कराग प्रतानक करागरा दिवासे प्राप्त मांगल से जुड़े करने स्वेली की भाष्यत होगा।</li> <li>ताक्स्टर्स (London वारण की पित प्राप्तन) की प्राप्तन पार, उसपाने के लिए अपान प्रार्थनिक देशा दिवासे की प्राप्ति मौताराजी की प्राप्तना पर, उसपाने के लिए अपान प्रार्थनिक देशा दिवासे कुम जिलिए प्राप्त के साथ प्राप्तन पर, उसपाने के लिए अपान प्रार्थनिक देशा दिवासे कुम जिलिए प्राप्त के साथ प्राप्त करेंगे.</li> </ol>
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एक्सक्लूसिव स्टोरी।

हमारे किसान भाइयों बहनों और

आदिवासी उदयमियों, हमने

आदिवासी किसानी को जैविक

खाद, बीज, जैविक कीटनाशक,

## What problem are we trying to solve? Why this problem?



- Tribal and marginal farmers in Jharkhand has abundance of land, each farmer family having between 5-20 acres of agricultural land, but they hardly put them for any productive use except 10%-20% of the land for annual rice paddy farming for personal consumption and the little extra for sale. This was they are unable to get out of their low standards of living though the new generation aspire for more. So we are trying to solve the problem of sustainable agri-based livelihood of tribal and marginal farmers.
- ✓ The tribal youth and youth from the rural marginal families not connected to the land or the forest which has been a traditional source of income for them are migrating to urban regions close by or far away for small incomes as unskilled or semi-skilled labour or are just staying home and doing nothing, which at the end of the day is both a waste of life and reason for social unrest. So we are trying to solve the problem of youth engagement and channeling their energy through gainful engagement giving them a reason to live at their place of birth in their villages.
- ✓ A small percentage of tribal and marginal farmers who are engaged in cultivation, gets majorly impacted by the vagaries of weather such as untimely rainfall, no or inadequate rainfall, prolonged heatwaves with an extended summer, etc. Because of these problems, many farmers do not dare to engage in investing in larger scale agriculture and some impacted leaves the practice for good or for some years because of the losses they had incurred.
- ✓ There are hardly much agricultural land in the country which are untouched by chemical fertilisers and pesticides. These vast tracts of tribal and marginal agricultural lands are mostly unaffected as the practice of agricultural usage of land has been very low. We would like to solve the problem of chemically adulterated crops and vegetables, by the usage of these land and reviving the dying practice of traditional organic farming.
- ✓ We chose to solve these problems, as the basic human need is quality/healthy food and quality air. By supporting the tribal and marginal farmers we are not only taking care of their needs, but the need of the general population at large. So with throw of one stone trying to solve two problems.

## What is our solution approach? Why do we think this will work?



✓ We are bringing all these tribal and marginal farmers together, one at a time, educating them and making them relearn the traditional agricultural methods, but now more scientifically founded; training them, onboarding them on an aggregated enterprise as both shareholders and beneficiaries and helping them to not only have a better livelihood to sustain themselves from their own unused land, but developing them as micro and small agripreneurs.

✓ The tribal youth and youth from the rural marginal families are now in a position to be connected to the land and the forest which has been their traditional source of income, by creating newer agri-based opportunities both as farmers and micro agripreneurs, giving them a sustainable livelihood, thus stopping the mass migration to urban regions for small income and more urban problems because of migration.

✓ To alleviate the problem wrt inclement weather conditions not conducive to agriculture and thus no sustainable livelihood, we are encouraging and engaging the farmers to plant fruit trees and create alternative source of income. This way we are trying not to only give a newer source of income to the tribal and marginal farmers but also actively engaging in the fight of reducing carbon footprint and reducing the global emission of CO2.

✓ By resurrecting the ways of traditional organic farming devoid of chemical fertilisers or pesticides we are developing a healthy quality traditionally organic food supply chain at affordable prices as we are able to mass engage unused tribal and marginal farm lands for cultivation of grain crops and vegetables and create social fruit tree forests in every village in our engaged regions.

 $\checkmark$  We believe we have started a mass movement in tribal and marginal farmer engagement, which is daunting by itself as to the level of investment and engagement it requires. But due to the sheer conviction of the tribal youth we are onboarding as leaders for this movement where they see a clear bright future for them in the modern world both as modern farmers and micro agripreneurs, we strongly believe that this will work as this is the only way towards a brighter future for those youth.

## Pain Points – Problems we are solving & Solutions

### **Conventional Agri Produce**

Affordable but Non-organic food products

Expensive organic food products

Sub-par quality of vegetable and fruit

Weak/non-existent supply chain for quality agriproduce



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Deteriorating living condition of farmers.



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Chemical fertilisers and pesticides impacts the well being of the soil and thus impacts the environment

### **TribalAG**

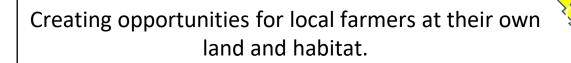
No use of hazardous chemical and genetically modified species.

Traditional Organic Agri produce at comparable price.

Fruit and vegetable processing plant to ensure hygienic produce.



Robust supply chain reducing delivery time and ensuring delivery of fresh produce.



Deducing Carbon Fact Drint by Fruit Tree Diantin



## Products & Services



### **Products:**

- Traditionally organically grown fruits and vegetables, free from chemical fertilizer and pesticides, like tomato, bitter gourd, ladyfinger, brinjal, papaya, capsicum, lemon, guava and also select exotic vegetables.
- Processed food items with high nutritional value made of traditionally organically grown fruits and vegetables like ketchup, juice, etc.
- Fish and Pig farming output products new Services:
- Dedicated delivery vans delivering fruits and vegetables to housing complexes and rural households bi-weekly.
- Personalised customer experience, enabling to order all farm produce from desired farmland.
- Captive farming service for large retail chains focusing on all farm produce.
- Training shareholder marginal tribal farmers in traditionally organic farming and providing them all inputs and getting all output from them to market.
- Fruit Tree Planting and making Impact for Environment by collecting carbon credits and supporting global and local carbon producing organization in reducing their carbon fruit print



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## Action/Results Overview



- Fresh and traditional organic produce, with longer-than-market-available life-span, at an affordable market value.
- We transfer the produce from farm to our processing unit, where we wash them and remove inert material and then we sort and split the produce.
- We also pack some quantity of our produce in various sizes to supply various super markets and our own stalls.
- We will conduct training and research, technology development and technology deployment, connected with the integrated development of the crops to promote best practices and scale production.
- Field Research on Plant varieties and usage of new type of Organic Fertilizer and pesticides
- Technology research collaborate to improve the shelf life through thermal sterilization.

### Who are our customers? How do we reach them or intend to reach them?



- ✓ We have two sets of customers in the economically and ecologically impacting agri-business ecosystem we are creating:
  - ✓ The tribal and marginal farmers who are both our customers, suppliers and shareholders/beneficiaries
  - ✓ The agri-produce customers who are the final retail consuming customers, the large public entities like the corporate canteens, the government school food programs, the military/paramilitary forces which are large food consumers and all the other middle agents catering to these end customers like the mandi wholesalers, the retail food chains, the corporate agri-produce buyers etc.
- ✓ We reach our customers of each category in different ways:
  - ✓ We already have a mass campaigning and onboarding process in place for engaging with our most important customers/suppliers/beneficiaries the tribal and marginal farmers by engaging with the, through the three tier gram panchayat system from the district level to the block levels and to the panchayat levels. This we are doing by direct relationship building with the elected officials at these level (recently conducted elections in May 2022 in Jharkhand). These is a big rural problem and we are helping the elected officials of the panchayati raj to solve these problems and create a strong base for the agri-business ecosystem and parallely helping them with their election mandate of solving local challenges or unemployment and livelihood.
  - ✓ We are establishing one to one contact through the top management level of large corporates, government bodies, military/paramilitary regional bodies, corporate retail food chains and agriproduce buyers, based on their requirement to support tribal owned organizations as mandated by the regulations of the government. We are also using the vantage view of chemically unadulterated food grains, fruits and vegetables and their related processed food products, and buy supporting us the way they are altogether bettering the earth by making an impact by reducing carbon fruit print and making the soil sustainable for the future generations.

## Value Proposition & Business Model Canvas

<ul> <li>GAIN CREATORS</li> <li>Trucks carrying fruits and vegetable supplying to every city and from where smaller pickup vans will deliver to different Housing complexes.</li> <li>Customers can be provided with option to choose their choice of farmland in proximity to order vegetable from, increasing uniformity in quality of fruit and vegetable. This will be essential while serving other businesses.</li> <li>Cultivating close to consumer market can minimise time-lag between farm-to-plate and reduce loss in quality. Regular delivery of fruits and vegetable to consumer market directly from farmland. This In turn decreases cost.</li> <li>Marketing our fruit and vegetable to consumer via packaging and marking delivery vans along with positive social media presence to let consumer know about our company.</li> <li>Setup feedback channel via delivery-man, local reseller, experienced businesses website and social media, and act upon it.</li> </ul>	<ul> <li><u>GAINS</u></li> <li>Delivery vans at housing complexes and townships on a bi-weekly basis straight from the tribal farmland contributing to direct feedback channel.</li> <li>Bi-weekly vegetable and fruit basket as per predefined choice and pre-order from your chosen Tribal farmland unit</li> <li>Fruits and vegetables available at supermarkets are fresher, of higher quality and with less defect due to efficient delivery channel and close proximity of Tribal Farmland.</li> <li>Processed food products are trustworthy due to transparency about Fruits and Vegetables used to manufacture them.</li> </ul>	
<ol> <li>PRODUCTS &amp; SERVICES</li> <li>Traditionally organically grown fruits and vegetables which are free from chemical fertilizer and pesticides.</li> <li>Processed food items made of traditionally organically grown fruits and vegetables like ketchup, juice, etc.</li> <li>Providing training and support to farmers encouraging them to pursue organic farming.</li> <li>Personalised customer experience with dedicated delivery van for housing complexes.</li> </ol>	<ul> <li><u>CUSTOMER JOBS / JOBS TO BE DONE</u></li> <li>Buy good quality fruits and vegetables which are also chemical fertilizer and chemical pesticide free.</li> <li>Available at close proximity with ease of accessibility.</li> <li>Irregular and elevated pricing.</li> <li>Value added products made of Good quality Fruits and vegetables.</li> <li>Create an active feedback channel for customer to report their grievances regarding product and services.</li> </ul>	
<ul> <li>PAIN RELIEVERS/REMOVER</li> <li>1. Operate stalls and distribution centres in target markets where customers are looking for chemical fertilizer/pesticides free fruits and vegetables and have the stalls supplied with traditionally organically grown fruits and vegetables from our Tribal farm lands in East Singbhum (Jharkhand)</li> <li>2. Supermarkets are supplied with fruit and vegetables at regular interval due to complete control over production and supply of produce with minimum transportation and storage time.</li> <li>3. Research in ways to extend shelf life of fruits and vegetables by method of thermal sterilization.</li> <li>4. Consumer are consuming same high-quality fruits and vegetable which will be used to manufacture various processed food items.</li> <li>5. Create a feedback channel where consumer can post their grievances, thus contributing in improving quality of service and product.</li> </ul>	<ul> <li>PAINS</li> <li>Produce available in market is grown using chemical fertilizer/pesticides which is very injurious to health.</li> <li>Fresh fruits and vegetables are available bi-weekly in mandi at certain locations only.</li> <li>Fruits and Vegetables available at supermarket are expensive and are not fresh with lots of bruise mark.</li> <li>No clarity is available regarding quality of fruits and vegetables used to manufacture a certain ready-made product with adverse effect on health.</li> <li>There is no feedback channel regarding fruits and vegetable due to multiple layers of middlemen and unorganised farming sector.</li> </ul>	

<ul> <li><u>KEY PARTNERS</u></li> <li>1. Local Farmers</li> <li>2. Food processing plants and other businesses</li> <li>3. E-commerce website</li> <li>4. Local authorities</li> <li>5. Service and product supplier</li> <li>6. Transportation Companies</li> <li>7. Financing firm</li> </ul>	<ul> <li>KEY ACTIVITIES</li> <li>Collaborating with local farmers and going into contract with them</li> <li>Procuring permission and services from local authority</li> <li>Setting up infrastructure for storage of various supplies and cultivated produce.</li> <li>Procuring machinery for land preparation and processing of Fruits and vegetables.</li> <li>Procuring product and services</li> <li>Processing and packaging</li> <li>Transportation/Logistics</li> <li>Quality assurance</li> <li>Setting-up delivery chain for housing complexes.</li> <li>Setting up feedback redressal system</li> <li>KEY RESOURCES</li> <li>Robust supply chain delivering produce from local farmland to targeted market.</li> <li>Efficient machinery increasing productivity and reducing stress on farmers.</li> <li>Processing plant being supplied by own fruits and vegetables grown traditionally organically, maintaining quality of output.</li> <li>Dedicated feedback redressal system, constantly improving quality of service.</li> </ul>	<ul> <li>VALUE PROPOSITIONS</li> <li>1. Traditionally organically grown fruits and vegetables which are free from chemical fertilizer and pesticides.</li> <li>2. Personalised customer experience with dedicated delivery van for housing complexes.</li> <li>3. Sales at local mandi, dedicated stalls and resellers close to consumer market to increase accessibility.</li> <li>4. Processing of traditionally organically grown fruits and vegetables to manufacture high quality edibles and beverages.</li> </ul>	<ul> <li>CUSTOMER RELATIONSHIPS <ol> <li>promoting sales from local mandi since majority of households prefer buying from there.</li> <li>Facilitating delivery vans at housing complex bi-weekly to deliver fruits and vegetables.</li> <li>Providing catalogue of different produce at different Tribal farmland to other business for personalised purchase and consistency in quality.</li> <li>Positive social media presence making people aware of our farming practices and processing methods.</li> <li>Dedicated feedback redressal system enabling prompt action on issue raised and allowing for better services.</li> </ol> </li> <li>CHANNELS (SALES) <ol> <li>Seller at local mandi</li> <li>Organised retail shops/supermarket</li> <li>Delivery by Vans dedicated to deliver goods from local pickup point to housing complexes.</li> <li>Operating stalls and distribution centre in targeted market which are supplied with traditionally organically grown fruits and vegetables from Tribal Farmland.</li> </ol></li></ul>	<ul> <li>CUSTOMER SEGMENTS <ul> <li>(MASTER CUSTOMER SEGMENT)</li> <li>People and Businesses in Major cities in Jharkhand, Bihar and West Bengal wanting chemical free fruits and vegetables at affordable prices for personal consumption and sale.</li> <li>(B2C)</li> </ul> </li> <li>People who want fruits and vegetables free from chemical pesticide and fertilizers</li> <li>People with urban and busy lifestyle who wants fruits and vegetable at their doorsteps.</li> <li>People living in Housing complexes.</li> <li>Consumer conscious about health and wellbeing.</li> <li>(B2B)</li> <li>Seller at local mandi looking for higher margin for their product.</li> <li>Organised reseller who want to decrease loss by selling fruits and vegetables with longer than available shelf life.</li> <li>Reseller wanting to sell fresh fruits and vegetable with reduced loss during transportation.</li> </ul>
COST STRUCTURE Direct Cost 1. Staffs and Farm hand 2. Raw materials (Seed, fertil 3. Land lease and land prepa 4. Water, electricity, fuel. 5. Maintenance 6. Logistics 7. Processing and packaging	Others	REVENUE STREAMS1. Sales via Local Mandi2. Sales via Distribution centre and St3. Sales via delivery4. Sales to other businesses like restance	nurant, hotels and other food processing plant.	NESS MODEL CANVAS

## What is the size of the market opportunity?



Population			
Target Market	Population	TribalAg Mar	•
Jamshedpur	15,71,000	FY1(2023-24) FY2(2024-25)	
Ranchi	14,04,000	FY3(2025-26)	- 1.5%
Dhanbad	13,15,000	FY4(2026-27) FY5(2027-28)	
Hazaribagh	1,72,000		
Kolkata	1,40,36,000		
Total Population	1,84,98,000	FY3 - 1.5%	2,77,470

- Average person consumes 1.2-1.5 Kg vegetables per week.
- With 1.5% market share in FY3, there is a market opportunity of 13,31,856 kg vegetable for 1 month.
- Base price for vegetables @Rs 10 per kilo, market opportunity for total revenue for 1 month is Rs 1,33,18,560

### Are there any other nonprofits doing similar work? List names and list 1 primary reason we are different from them?



- ✓ We are not a nonprofit but a social profit enterprise incubated by a nonprofit. To our knowledge TotalStart Entrepreneurship Ecosystem Developers is one of the leading organizations engaged in such work, but they are doing it very differently as evident from the way they are engaged with us and scaling us. There are many organizations which are engaged with having a similar result by engaging farmers as beneficiaries and increasing their farm produce and some of them are also engaged in organic agriculture.
- ✓ Green Agrevolution Pvt. Ltd., Agristar, ITC Agri Division, several FPOs, they are all engaged in similar work.
- ✓ The way we are different from the privately owned organizations is as follows:
  - ✓ The tribal and marginal farmers and agripreneurs in this agribusiness ecosystem are not only our customers or suppliers but also shareholders in the organization we have created and so the growth and success of this organization results in creation of wealth for them on the long term.
  - ✓ The FPOs are that way having the same DNA as ours, where the members own the organization, but the challenge they have is they can only raise funds from fellow member farmers or from banks and government schemes as loans, where as we can raise funds from all these sources and additionally any VC or Angel Fund or HNIs or Family Offices who are interested in investing in such a progressive scalable agri-enterprise for the future making an impact
  - Except the FPOs all entities engaged in this business are not connected to the land by either owning it or involved in cultivating it, so their hold on the value chain is restricted to the contracts they can work out and that is also always not maintainable. For us the sheer driving force of owning the enterprise and driving its fate makes all the difference. And corporates in this agribusiness ecosystem can have a more sustainable business engagement with us.

## Social Impact



- 1. TribalAg Limited aims to directly impact lives of fellow farmers by empowering them to become independent agripreneurs.
- 2. TribalAg Limited aims to directly impact lives of regular consumer by providing them with traditionally organically grown fruits and vegetables which are "chemical free" at an affordable cost.

	2019-20 (pre-formation year)	2020-21 (FY0)	2021-22 (FY1)	2022-23 (FY2)	2023-24 (FY3)
Ace Agripreneur Employed	1	1	2	5	7
Backward integrated Ace Agripreneurs (Supplying produce to TribalAg for processing and sale)	1	2	3	8	15
Farm hand employed	7	18	28	36	65
Independent Farmers joined	43	74	250	800	1200
Regular household reached	740	1849	23123	46245	69368

Note: Each backward integrated farmer is assumed to have an average 3 acre of land.employing 1 farmhand for 1 acre of land.

## Business model



In FY3 53,27,424 kg fruit and vegetables, Demand for 4 months (vegetable growing cycle is 4 months), will be Distributed in following manner to reach target consumer.

Prospect buyers	s Consump	otion	Seasonal consu (4 Months)	mption	
2,77,47	70 1.3 K	g/week	57,	71,376 kg	
Retail	20%		11,54,275	Weekly sa can be do	bji mandi is organised in every place where retail ne.
Pack	30%		17,31,413	U	s packed in appropriate quantity can be supplied to retail chain such as Spencers, BigBasket, Wow c.
Bulk	50%		28,85,688	institution	r will be supplied to restaurant, caterers and al customers such as NDRF, Army cantonments, nps, districts school mid-day meals.
Total			57,71,376		

## 3-Year Actual and 2-Year Projection



	2019-20 (FY0)	2020-21 (FY1)	2021-22 (FY2)	2022-23 (FY3) projected	2023-24 (FY4) projected
Revenue	₹2,10,000	₹32,52,651	₹28,10,958	₹44,46,480	₹88,92,960
OPEX	₹7,79,887	₹36,65,059	₹31,58,797	₹46,19,766	₹86,44,709
Gross Margin	(₹5,69,887)	(₹4,12,408)	(₹3,47,839)	(₹1,73,286)	₹2,48,251
CAPEX	₹15,00,000	₹3,52,026	₹7,72,803	₹21,37,457	₹28,60,110
NET Margin	(₹5,92,581)	(₹4,19,538)	( <b>₹3,49,889</b> )	( <b>₹1,81,743)</b>	₹2,56,901

## Unit Cost (Broad Assumption for traditional organic agriculture)



Cost of Farming in 1 Unit Land of 30 Acres, Lead by 1 Ace-Agripreneur.

Production from 1 acre of land is 90 tonne vegetable per year.

Total Produce from 30 acre land is 2700 tonne which is sold at Rs.10 per Kg constituting revenue of 1 Year.

Capital Expenses	Infrastructure Machinery	<ul> <li>Renovation of existing structure, borewell, overhead tank, pack-house cum processing hall, Cold Storage , Surveillance system, etc.</li> <li>Tractor, Cultivator, Pump, Tiller, Packaging Unit, Leveller, Power generator, Hand tools, Power weeder, etc.</li> </ul>	₹ 1,44,22,000
Operational Expenses	Wages Raw Material, Maintenance and other costs	Ace Agripreneur, Driver, Accountant, Farm Hand Land Preparation, Seeds, Manure & Fertilizers, Drip irrigation, Transportation, Running Cost, Electricity, etc.	₹ 1,20,69,000
Revenue (1 Yr)			₹ 2,70,00,000
Gross Margin			₹ 1,49,31,000

### How would you describe our organization's key achievements till now?



TribalAg's Mission & Achievements towards fulfilling it:

- Developing the first and the largest Agri Enterprise founded and run by Tribal & Marginal Farmers and Agripreneurs An exception as an unlisted public limited company founded by tribal and marginal farmers in Aug2019
- ✓ In the path towards engaging as shareholders 1,00,000+ Empowered Tribal & Marginal Farmers & Tribal Micro Agripreneurs providing traditionally grown organic vegetables and fruits, processed organic agri-products and organic forest produce Already engaged with 2000 tribal and marginal farmers, onboarded as beneficiary members availing our support services of aggregated input provision and selling them to 300 of them and on the process of onboarding 100 of them who are consistently engaged with us as shareholders through helping them process their demat accounts and getting our own NSDL onboarding for share transfer process.
- Creating a robust rural supply chain engaging 1+ million acres of tribal farmland and 1+ million acres of Sustainable Social / Village Tribal Forests – At the core of any supply chain is a hub, which we have developed the foundation at Jhariya, Potka, East Singhbhum, Jharkhand as the Centre for Experimentation and Excellence in Traditional Organic Farming. This includes about 300 acres of farm land, a large fruit tree sapling nursery over 3 acres and a Tribal Hut for training and farmer hostel. Further have set up small organic fertiliser and pesticide/medicine unit to support our beneficiary farmers. Have bought electric driven carrier vans to supply vegetables to the local mandis and nearby towns branded on our name. Have bought or deployed motorable vans to supply to large centres in border states of West Bengal and Odisha.
- Making an impact wrt Climate Change by fighting it through Fruit Tree Planting Planting 5 lakh fruit trees in FY22-23 in the East Singhbum and West Singhbhum districts of Jharkhand. Campaign for that has been carried out in over 100 plus remote district villages, where tribal and marginal farmers see it as a welcome source of income. These are being given free of cost, with the promise that they will be nurtured well and monitored by us time to time.

## Current traction



- Launched jointly with the previous CM of Jharkhand, tribal farmer engagement program.
- 45 (Forty Five) Farmers and Agripreneurs joined the Bootcamp conducted between 25th. March and 3rd. April 2019 at TSFE - The School For Entrepreneurs - Jharkhand @Jadugoda, East Singbhum, Jharkhand. Out of which the above 21 pledged to become agripreneurs and shareholders in Tribalag Limited at the end of the bootcamp itself.
- Team Tribalag's Mobilization and Communication Team lead by Mr. Pitambar Hansda has reached out to 600+ Farmers and prospective Rural Agripreneurs since April 2019 till date through 22 Engagement Workshops across East Singbhum and many of them have shown strong interest to join as shareholders to Tribalag and become Agripreneurs on this Tribalag Platform in different capacities based on their ability and the land they own or can get access to.
- Formed partnership with Farm Fresh to sell online in Jamshedpur with home delivery.
- A sales channel is already in place whereby we are selling in the mandi to the direct consumers and also to the local wholesalers.
- Getting regular queries of increasing demand from the wholesalers and retailers with positive feedback in increased demand which shows our produce is a winner in the market.
- Exported to UAE lab tested for chemical free criteria 2 tonnes of mixed basket of Vegetables.

## Competitive landscape



## Ninjacart

ninjacart





- These organization source from local Farmers and Supply them to retail market.
- Competitors may not have control over Production.
- We have complete control from sowing to packaging and delivery.
- We are selling our produce at market price which can't be given by our competitors
- Our other competitors are local farmers, though, they don't have infrastructure, capital and supply-chain to possess as a threat.
- With inclusion of more and more farmers, local competition turns into advantage.

How much money have we raised till now, and how much in the last year?

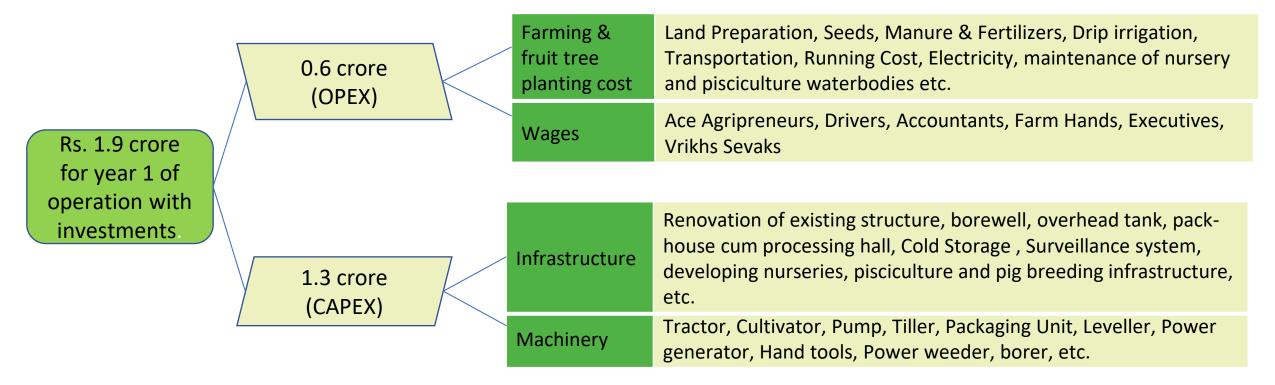


We have raised about Rs 25 lakhs from our members and close group of investors and our incubator till date
 Last year we raised around Rs 10 lakhs from two of our members as loans

<u>First Shareholders:</u>	Number of shares to be held (@ Rs 10/- share) as per filing at MCA 1. Authorized Capital at registration time: Rs 10,00,000 2. Paid Up Capital at registration time: Rs 4,70,000
1. Mr. Khelaram Murmu	10,000
2. Mr. Somay Soren (Musabani)	5,500
3. Mr. Pitambar Hansda	2,500
4. Mr. Manoj Soren	2,000
5. M/S TotalStart Entrepreneurship Ecosystem Developers *	10,000
6. Mr. Jeeven Saini *	7,000
7. Mr. Dr. Suryanil Ghosh *	10,000

## Funding needs, use of funds





- This funding is required for FY1 (2022-23) only.
- There are no other investors
- The annual projections given earlier for FY22-23 and FY23-24 does not consider the above investment, but the investment through small bank loans taken for incremental growth
- Follow-on Capital will be required.

### What is our strategy for the next 1,3,5 years?



### □ 1 Year:

- Engage with 4000 tribal and marginal farmers and onboard 400 farmers for fruit tree planting, planting around 2 lakh lemon, guava and papaya trees and 2 lakh moringa trees
- ✓ Develop the IT Platform for Fruit Tree Planting and the Input and Output Support Platform for the Farmers and FPOs
- Setup the foundational infrastructure for the pig breeding and for pisciculture for hatchlings/fingerlings at CEEOF at Jhariya for new revenue stream and farmer engagement

### □ 3 Years:

- ✓ Develop three IT enabled ecosystems for
  - ✓ fruit tree planting
  - ✓ input and output support for farmers and FPOs and
  - district level agribusiness ecosystem by bringing all players together at the district level to support farmers and FPOs.
     Please refer continued presentation for details for all the three IT enabled solutions we are developing
  - Develop the traditional organic farming, fruit tree planting, pig breeding and pisciculture farmer base and onboard 1000 separate farmer members for each of the 4 categories as beneficiaries, customers and suppliers (some overlapping) but totaling to 4000

### 5 Years:

- ✓ Raise Funds such that all 4 revenue streams of traditional organic farming, fruit tree plantation, distributed pig farming and pisciculture
- ✓ Strengthen the revenue streams for the 4 Strategic Business Units independently with a core horizontal support infrastructure and vertical domain based infrastructure and business enabling ecosystem
- $\checkmark\,$  Onboard all the 4000 farmers as shareholders in the company
- ✓ Target for MSME listing on NSE/BSE

## What is our operational plan for the next 12 months? How would we measure your progress?



### Operational Plan for next 12 Months

- Carry out campaigning for fruit tree planting drive to engage with more than 4000 tribal and marginal farmers in East Singhbhum and West Singhbhum Districts of Jharkhand and onboard at least 400 farmers in fruit tree planting and nurturing for next 3 years of the ones they are planting. Target each farmer to plant 500 fruit saplings in an acre of land each in average.
- $\checkmark$  Set up the foundational infrastructure for pig breeding at CEEOF
- ✓ Set up the foundational infrastructure for pisciculture with hatchling and fingerling production aqua-bodies at CEEOF
- ✓ Develop at least one IT enabled Ecosystem Platform of the three planned for. Target one is for the Fruit Tree Planting, provided funds are available through grants or other financing avenues
- Onboard a strong professional young small executive team to drive the plan for implementation who are good at both office work and field work. This will enable the success of the project in the short and long term.

### Progress Measurement

- ✓ The progress is measured both weekly, monthly and quarterly.
- Each core execution team member draws a plan for the week at the beginning of the week along with the CEO and it is reviewed and planned by the CEO and the mentors involved and accordingly changed and aligned as per the goal for the month and the quarter.
- ✓ Milestones are set for each month and full resources are deployed to enable the milestones to be successfully completed with appropriate resource monitoring.
- ✓ All is maintained online and review process is carried out both physically and virtually through google meet with selected core team members and mentors.



• Full Time Employees: 15

Description Part Time Field Employees: 40

Engaged Ace Farmers: 3

Engaged Farmers: 200

Engaged Micro Agripreneurs: 12

### Description of the core team that we've built, including co-founders.



#### TRIBALAG TEAM



Khelaram Murmu CEO & Director



Krishnapada Mahato Head of Field Operations & Local Marketing

Bhado Murmu Entrepreneur in Residence

Lakhan Majhi Ace Agripreneur, CEEOF, Ihariya. Potka



Jasai Soren







Jholo Murmu

Core Execution Team Member

Core Field Execution Team Member



Shyamapada Hansda

Member

Core Field Execution Team



Dr. Suryanil Ghosh

Chief Mentor & Catalyst, Director & Angel Investor



Arnab Mukherjee

Director, Mentor & Governance Board Member, Angel Investor



Kallol Kumar Ghosh

Director, Mentor & Governance Board Member

Somay Soren Junior Entrepreneur in Residence

Core Execution Team Member

Manoj Soren

## Core Team



Strong on-the-ground knowledge of the area and the tribals. Strong Khela Ram **CEO & Technical Expert** knowledge having practiced farming all his life and detailed Murmu knowledge of the local geography and resources Arnab Well known strategist and marketing professional and providing the Strategy, Sales & Marketing Mukherjee necessary advisory and mentorship to the team Vakil Practicing CA and CS firm which provides the financial and statutory Finance & CS Search knowledge and service to the team Kallol Managed global projects of high intensity and multi-geographical Kumar Operations culture. Strong in process development, implementation and Ghosh building and managing CoE.

### Support Ecosystem



### SUPPORT ECOSYSTEM

Tata Steel Downstream Products Limited



CSR Funding Partner through Affirmative Action Program TotalStart Entrepreneurship Ecosystem Developers



Incubator, Investor and Partner for creation of wealth for the marginal & tribal farmers with the mission #CreationOfWealthByUnderprivileged Sustainable Green Initiative



Fruit Tree Planting and Green Impact Partner with the motto #FruitTreesChangeLives

### If we had Rs2 crore funding available over the next 2 years, how would we use it? Can we redefine your strategy (in Q6) based on the availability of this funding?



### □ Utilisation of 2 core funding:

- ✓ Develop at least the first two of the three IT enabled solution and implement them in East and West Singhbhum Districts of Jharkhand
- ✓ Set up fully the foundation of the infrastructure base for hub and spoke pig breeding/farming and pisciculture at the CEEOF
- ✓ Onboard the relevant Professional Execution Managers at the earliest as soon as the funds are available, so that the they can play an important role for implementing the plan
- ✓ Increase the captive small loan fund amount, which we already have for our members to support them in their agribusiness and farming processes. This will enable boot strap the new ventures in pisciculture and pig farming for the newly onboarded farmers supporting them in conjunction with the loans they can get from the banks through different government schemes
- Bolster the agri equipment lending support infrastructure by buying select machineries like JCBs and tractors and small tillers and drone sprayers.
- □ Redefining strategy in Q6:
- ✓ With or without funding availability through grants we should strategise such that all we are planning are achievable and for that we should raise funds from all avenues possible as the challenge of scaling will be based on raising these funds in smaller or one time large tranche and intime effectively using it buy infusing pragmatically for growth and revenue generation.
- We will be making our implementation plan for growth over the next 2 years, with initial funding of Rs 50 lakhs and investing it in all core areas in small appropriate amounts such that growth foundation is laid and revenues start getting generated. So our 1<sup>st</sup> 6 months will be based on incremental growth and on landing a larger fund, that growth will be further enhanced for specific areas which have shown higher revenue growth with appropriate funding in those areas. So we will not be redefining our strategy but tweaking our strategy for further growth in specific areas with enhanced fundings.

If our organization was incorporated over 3 years ago, but has a new idea that we are pitching, one extra thing to include - a map of the earlier journey and why the new idea has come about and how it is different from the earlier work we have been doing.



- ✓ From the time of inception of our company we were focused on traditional organic farming by tribal and marginal entrepreneurs. We built our story based on that for the FY19-20, FY20-21 and half of FY21-22.
- ✓ From the inception of our company we also had the mission for social village forest creation and generating a separate source of income. We could start working on it only in the second half of FY21-22 and in FY22-23 we are carrying out the full pilot project for that with support of right partners in fruit tree planting. Though this idea is not new for us, but the necessity of the implementation of this idea became imperative understanding when we are working with them, the grim reality which the tribal and marginal farmers face because of the vagaries of climate and loss of income and investment due to it incurred in farming. Fruit Tree Planting and Fruit Plantations gives a generous consistent source of income with much less dependance on climate.
- ✓ We are further creating new sources of income for us and our beneficiary farmer members by creating furthermore two strategic business initiatives of hub and spoke model based pig breeding / pig farming and pisciculture. This are high revenue generating sources, and will support the aggregated integrated farming model for collective farmer groups we are helping create in each target village.
- ✓ The difference from our first two years engagement and our present engagement path is that the experimentations we have been carrying out has given us the knowledge and resource base to scale. We are now equipped to scale by onboarding many more members which we were not in a position to do at the beginning of our journey with limited source of income generation path for them. And our knowledge is deeper and wider as to what will succeed with our engaged target group of tribal and marginal farmers and us.

## 3 Technology Enabled Solutions which will make scalable social impact



Innovative MSME Solution #1: Fruit Tree Planting Life Cycle Management Solution - An IT Enabled Technology Driven Solution for Additional Income for Farmers/FPOs and Climate Change Impact Alleviation

Innovative MSME Solution #2: Farming Lifecycle Management Solution - An IT Enabled Technology Driven Agribusiness Solution for Farmers/FPOs

Innovative MSME Solution #3: Empowering the Farmers and FPOs in a District through creating and adopting a unique technology platform bringing all players together



Fruit Tree Planting Life Cycle **Management Solution - An IT Enabled Technology Driven Solution** for Additional Income for Farmers/FPOs and Climate Change **Impact Alleviation** 

TribalAg Limited - Innovative MSME Solution #1

## Fruit Tree Planting Life Cycle Management Solution - An IT Enabled Technology Driven Solution for Additional Income for Farmers / FPOs & Climate Change Impact Alleviation

This project focuses on developing a Fruit Tree Planting Lifecycle Management Solution and it's implementation in the Tribal Districts Jharkhand and West

### **Bengal Phase phase wise:**

a. App based Solution supported by a call center b. One Vriksha Sevak will be engaged and developed in each cluster of gram panchayats to support all farmers/fruit tree planters of a village cluster which will plant trees between 20-40k c. Among its multiple services, Solution will:



i.Assess and capture demand for planting. ii. Provide frequent fruit tree planting and nurturing notification voice calls in local language to the farmer specific to their fruit tree planting. Thus, Farmers will be informed about the right dosage of input as well as the best available fruit tree planting consultation. iii. Map & geo tag the plant location and capturing it. iv. Monitor the health of saplings planted on a regular interval and capturing it. v. Integrate State Level Support and Benefits, about drip irrigation, rain water harvesting, and all subsidies, provided to farmers by the State Govt. vi. Provide the farmers with the flexibility to order input through the solution for fruit tree planting and vii. Even sell their fruits directly to the end customer through the solution vii. Carbon credit capturing & benefits

### #1 Farmers income protection and climate change alleviation

- → Farming is impacted by the vagaries of weather, unexpected rainfall, unexpected drought impacting their income. This solution and the Fruit Tree Planting Ecosystem we are creating will support farmers manage fruit tree planting and get regular warranted income from selling fruits
- → With time farmers will also benefit from the Carbon Credit Ecosystem where by tree planting is rewarded with financial gains





## Is there a farmer oriented support solution for fruit tree planting?

None till date. Globally this whole ecosystem is in a nascent stage driven by corporates for carbon credit supported by green NGOs and government supporting tree planting drive, with farmers just as vehicle for planting, but not as the actual drivers or beneficiaries



इस्टो किसान भाइयों बहनों और आदिवासी उद्यमिये, इसने आदिवासी किसानों को जैविक साठ, सीब, वैविक कीटनायक, और सब्दियों और अन्य फलतों की खेती के लिए युनिवादी समर्थन केसे प्रकार के इनपुट टेकर उनका विकास और नमर्थन करने के लिए अगरत. २०१९ में एक संगठन बनाया है। संस्था का नाम TribulAg Limited है।







# How are we different!



TribalAg Limited is a farmer owned organization.

- Our main goal is to onboard lakhs of farmers over time in our company as shareholders and
- support the farmers to get steady income from fruit tree planting and fruit sales, thwarting the vagaries of farming because of rainfall or drought
- And fight against climate change with planting fruit trees benefitting the earth and all of us who live in it

(This solution will strengthen the farmers well being and help him/her farm crops and vegetables to feed the world with a surer footing)

Our IT enabled platform will bring in all players in a Fruit Tree Lifecycle Management connecting the full supply chain WITH **FARMER'S INTEREST AT THE THE CORE AND** WITH FOCUS ON **CLIMATE CHANGE** 

with all relevant and concerned players engaged, which the farmers will leverage through their aggregation power

Large Corporates Supporting Climate Change Goals through Tree Planting	State and National Government Horticulture, Forestry and Environment Departments	Global and National Organizations supporting Tree Planting and Climate Change Alleviation
Fruit Tree Sapling Nurseries (private and government)	FARMERS / COLLECTIVES / INSTITUTIONS PLANTING FRUIT TREES	Global and National Fruit Tree R&D centers
Fruit Buying Aggregators, Large Fresh Fruit and Vegetable Retail <u>Chai</u> ns and Export Houses	Global and National Carbon Credit Aggregators and Dealers and Government Bodies	Global and National Fruit Tree R&D Centers

## What & For Whom

#### → What we are doing

Helping the farmer earn steady income through fruit tree planting and sale from fruits

#### $\rightarrow$ Who is the final beneficiary

Ultimate beneficiary is we all - the human race, as by planting fruit trees by enabling farmers, we are saving the earth from an environmental disaster and providing the world clean air to breath and alleviating the impact from climate change because of carbon emission





## Where now and to where next

#### **1.** Milestones

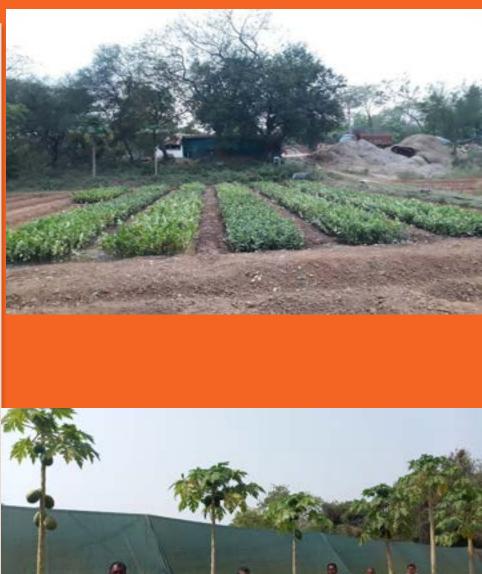
a. Established a Centre for Experimentation and Excellence for Organic Farming at Jhariya, East Singhbhum. b. Clocked a revenue of Rs. 32 lakhs in FY20-21. c. Have engaged with 1000 plus independent farmers making them a part of the ecosystem we are building, with 100 plus direct/indirect owner shareholder in the company

#### 2. Testimonials

Tata Steel is excited with the progress we have made and are willing to support our efforts for the next several years though their affirmative action program. They have been supporting us last 4 years to help us build the ecosystem

#### 3. What's next?

We want to get your support to build the farming lifecycle management solution engaging all players involved for providing inputs to farmers and selling output from farmers



## Milestones

April 2019	ſ	March 2021
40 farmers and nano agripreneurs 10 days workshop		Clocked Rs 32 lakh Revenue with captive land of 100 acres owned by our shareholding farmers
2019		2020-2022
- r v	August 2019 TribalAg Limited was registered with MCA as a public limited company with farmers as cofounders	March 2022 Launched 2 lakh Fruit Tree Plantation Drive in 5 clusters in East Singhbhum, West Singhbhum and Serai-kela Kharsawan

# Steps we will follow

Analyse, Design, Develop and internally implement - Fruit Tree Planting Lifecycle Management Solution

[First 12 months]

Implement the Solution bringing in all players through a trial run for a District

[Next 6 months]

Full Roll out involving all players as a pilot project and at the state level involving the state administration

[Next 12 months]

TribalAg Limited Assurance



#### **Current Development Status of Innovation**

- Goal of TribalAg Limited's project within the scope of the Innovative MSME <u>submitted to TotalStart</u> – Fruit Tree Planting Lifecycle Management Solution -An IT Enabled Technology Driven Solution for Additional Income for Farmers / FPOs & Climate Change Impact Alleviation
- Current Development Status of Innovation: This is a very important part of the overall project for next 5 years for TribalAg Limited which is focussed on creation of social forest, our second mission. This we have included in our full submission to Innovative MSME. In this specific part of the project we are developing an ecosystem driven by a technology platform which will bring all the players for fruit tree planting ecosystem along with climate change alleviation ecosystem, supporting the farmers earn a steady source of income from fruits and at the same time engaging in climate change action. We have ideated and analyzed the full project requirement for next 5 years with the bigger picture of TribalAg's scaling in mind to make an impact. But this part of the project which we have submitted to TOTALSTART will be taking: 1<sup>st</sup>. Phase: 12 months to detail analyze, design and develop the IT Platform enabled ecosystem and trial run it where we are planting internally which is about 2 lakh fruit trees in FY22-23, 2<sup>nd</sup>. Phase: Another 6 months to run as a trial and 3<sup>rd</sup>. Phase: Finally another 12 months to be fully implemented at the state level as a pilot project facilitated and supported by the State Administration. The 1<sup>st</sup> phase is within the scope of this project to be delivered in 12 months within the budget of Rs. 15 lakhs

## **Expected Time for completion** of Idea

12 months for the 1<sup>st</sup> phase of the total project: Detailed analysis of all components of the project, design and development of the IT Platform and on trial run where we are fruit tree planting ourselves





#### Name and Details of Mentors

- Mr. Raj Mohan Seshamani: (Mentor and Fruit Tree Planting Expert), *Founder at Sustainable Green Initiative* <u>www.greening.in</u> LinkedIn Profile: <u>https://www.linkedin.com/in/sgirajmohan/</u>
- 2. Mr. Kallol Kumar Ghosh: (Mentor and Software Development, Delivery and Implementation Expert), Director at TotalStart Entrepreneurship Ecosystem <u>Developers www.totalstart.org</u> LinkedIn Profile: https://www.linkedin.com/in/kallolg
- **3.** Mr. Surajit Bose: (Mentor and Finance Expert), *Ex-CFO* <u>Reckitt Benckiser</u>. LinkedIn Profile: https://www.linkedin.com/in/surajit-bose-a1007942
- 4. **Mr. Dipankar Chakrabarti:** (Mentor, IT Deep Expert & Large Global Project Management Expert): Executive Director & Chief Data Control Officer at PwC India, LinkedIn Profile: https://www.linkedin.com/in/dipankar-chakrabarti-<u>3865705/</u>







#### **Detail Features of the Fruit Tree Planting Life Cycle Management Solution**

This project is empowered with three major components which should work hand in hand.

Technology Development and Enablement which can support our targeted beneficiaries, the tribal and marginal farmers of 3 districts of Jharkhand and 2 districts of West Bengal and then can be deployed across the state and across India phase-wise.

#### Module-1

Start-to-end of the receiving of the sapling. It will initiate from the point it is sourced from and will be tracked to our nursery where the saplings will be offloaded, graded and put in the beds prepared.

This process will give a ready account of how many saplings of which fruit-tree has been procured on which date and their arrival date and status after off-loading meaning how many are usable and how many are not(wastage). It will culminate once the saplings are put in the beds in our nursery.

Also it will give a ready reckoner of the saplings in the nursery and their ageing and status in terms of usability.

#### Module-2

Sapling distribution to farmers and plantation in their final destination.

This will track the saplings from the Nursery to the Farmers land which is its final destination. This system will have information about the farmers, their land and various other demographics.

It will give a real-time status of farmer wise sapling distribution of fruit trees and types of fruit trees. It will have the geo-location of the final home of the sapling where the farmer plants it and will have a weekly status and picture of the health of the sapling as it grows.

This will give a productivity figure by farmer, by region, by fruit-tree type, by season and various other parameters and a combination of one or more of them. Which will guide us to fine-tune the ecosystem for better productivity in terms of management of saplings to grow to trees.

#### Module-3

It will have the details of procurement and suppliers.

The various other inputs like fertiliser, farming tools, saplings and input advisory through customized calls and SMSs will be managed by the system and this will take care of order management, procurement and delivery of inputs and its distribution and usage along with sales of their fruit produce once the farmers are ready to sell them in a aggregated mode. Carbon Credit Integration.



#### जादूगोड़ा के 600 किसानों के बीच बांटे जाएंगे दो लाख फलदार पौधे मन्द्र पेड तगाओ समद बनो योजना

पलपटन देह लगाओ व सम् के वीजना के लग जाएका के 600 किसाने के खेप दी राग्य पलपटर दीने बाटे जाएं पलपटर दीने बाट जाएं पलपटर दीने कार्युकार के स्वित पलपटर दीने कार्युकार के स्वित पत पूर्वियार इस संबंध के राग्य एग शिपिटर के डिरोगक एक राग मुम्बि कार्यका कि कार्युका के कित्यान साल में एक बार क्या को चेती करते हैं, कार्य समय को परती एह जाता है।

रेसे में धेव के किसाने को स्वायलपंथी बनाने के साथ-साथ अधिक रूप से संगज बनाने के लिए दो लाखा अगरूद व नीव के पेंद्र इच्छुक किसानी के बोख बांटा जाएगा, ताकि खाली पड़े खोत में प्रलग्दार कुछ लंगाकर किसान अपनी अधिरिका कमाई कर संके।

उन्होंने बताया कि पर्याता 20 हजार, मुनगा (सहजन) का दी लाख पेड़ पूरे जिले के सभी प्रखंडों में भेजे जाएंगे। इसमें इ. को बेहतर रिफा किस्तर दे ग, प्रारंगे, धन के सम्पन्तम के अतिरिक्त कमई भी होगी। इस ना मितन को समयत करने में पेत्र ट्राव्यत पेंड लिमिटेड के निदेशक ग। खेलराम मुर्ग, डी. राकन्तेल तो घेष, धादे मुर्ग, लखन बाल्से, के सोमाय सोरेंद, कृष्ण्य पदो मालेंगे, का जोत्वे मुर्ग, यजेश कुमार आहि च वा प्रांत्रयान है।



#### Budget - Activity wise breakup

Particular Item - Fruit Tree Planting Life Cycle Management Solution	Total Idea Project Cost (Rs. in lakh)	Amount Grant assistance (Rs. in lakh)	Incubatee Share (Rs. in lakh)
Technology related Expenditure towards development of IT platform and implementation etc. like Machine Usage Charges, Electricity charges, Procurement of raw material, testing/Calibration charges, other charges essential for development of idea <b>Max (45.00) lakh.</b>	45.00	44.5	0.50
Charges for mentor/handholding supporting team Max (3.00) lakh.	3.00	2.85	0.15
Travelling Expenses or any other item not coverd as above may be allowed as per need for development of the idea Max (2.00) lakh.	2.0	2.90	0.10



## **Thank You!**

We are here to make an impact for the farmer by providing a strong fruit tree planting ecosystem based earning mechanism along with direct impact for Climate Change Alleviation bettering the earth we live in



अब पूर्वी सिंहभूम जिला झारखंड के किसान निशुल्क फलदार पौधे अपने जमीन पर लगाएंगे, टाइबलग लिमिटेड एक लाख पौधे अगले 3 महीने में लगाने का लिया संकल्प | दैनिक जागरण में

#### एक्सक्लूसिव स्टोरी।

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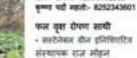
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टेनिस मजरही ही जातनी। २. मुनि चारक - ये जो जोन होने जो अच्छी चीन हमी सीज पर दे सबले हैं।	<ol> <li>Tribulag Limited हमारे साथ जुड़े औरने की नई कृषि सकरतेल प्राप्तन करेगा और उन्हें उस सकरतेल को उपपने कृति में साथ करना होगा।</li> <li>Tribulag Limited उपप्त के लिए बड़ा और बेहतर बादार उपरान्त करागणा दिल्लों इस संगठन से जुड़े कमें सोनी की भाषाय होगा।</li> <li>Tribulag Limited उपप्त की पित प्राप्त होगा।</li> <li>Tribulag Limited उपप्त की साथ प्राप्त होगा।</li> <li>Tribulag Limited उपप्त की साथ प्राप्त होगा।</li> </ol>
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Farming Lifecycle **Management Solution - An IT Enabled Technology Driven Agribusiness Solution for** Farmers/FPOs

TribalAg Limited - Innovative MSME Solution #2

## Farming Lifecycle Management Solution - An IT Enabled Technology Driven Agribusiness Solution for Farmers/FPOs

This project focuses on developing a Farming Lifecycle Management Solution - from giving inputs to farmers both advisory and goods and services, to selling their output:



a. App based Solution supported by a call center b. One Agri Support Entrepreneur will be engaged and developed in each gram panchayat to support all farmers of the villages of the GP c. Among its multiple services, Solution will: i. provide frequent crop reminder notification voice calls in local language to the farmer specific to their crop requirements. Thus, Farmers will be informed about the right dosage of input as well as the best available crop consultation. 2. It also will provide the farmers with the flexibility to order input through the solution and c. even sell their output directly to the end customer through the solution, removing middleman at mandi price. D. Farmers will even start getting customized advisory services

### **#1** Farmers at the core

- → Move the Farmers from the bottom of the agribusiness value chain to the top of it by engaging them effectively through a IT Enabled solution which will be continuously involve them in their farming cycle
- → Farmers are tightly integrated as the core player on this solution with other input providers and output linkages are tightly integrated, with the core as a app solution backed up by a call center

#### Onboarding the Domro Village Panchayat in the Dumaria FPO



# Is there a farmer oriented support solution?

Yes a few, but in all the farmer is treated not as a main player but as a client, as the solution provider is

here to make a business for itself



हमारे किसान आइयों बहनों और आदिवाली उद्यमिये, इसने आदिवाली किसानों को जैविक साद, बीज, वेदिक बीटनायक, और सब्जियों और अन्य फलतों की खेती के लिए दुनिवादी सार्य्यन वैले सभी प्रकार के दुनपुट टेकर उनका दिकास और समर्थन करने के लिए अगस्त २०१९ में एक संगठन बनाया है। संस्था का नाम TribalAg Limited है।



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#### Tip

Solutions from IFFCO, DeHaat, Agrostar and others?

# How are we different!



TribalAg Limited is a farmer owned organization.

Our main goal is to onboard lakhs of farmers with time in our company as shareholders and

- support the farmers to get best productivity with best price for the produce and
- consumers to get best priced healthiest food as directly as possible from the farmers

(With this solution the farmers will be fully empowered and the end consumer fully benefitted)

Our IT enabled platform will bring in all players in a Farming Lifecycle Management connecting the full supply chain WITH **FARMER'S INTEREST AT THE** THE CORE with all relevant and concerned players engaged, which the farmers will leverage through

their aggregation power

Exporters / Large Corporate Buyers	Local Mandis / Local Retailers/ Small Sellers in Rural or City Markets	Captive Inhouse or Outsourced Agri Retail Units for Output Sales to Consumers
State Agri Produce Buyers at MSP	FARMERS / FPOS	National / State Cooperatives / Institutions supporting Farmers
Seed / Fertilizer / Agri-chemical Agri- <u>Equip</u> ment companies	State Agri Input Support providers to Farmers at subsidy or fair price	Captive Inhouse or Outsourced Agri Support Orgs for Input Sales or advisory to Farmers



## What & For Whom

#### $\rightarrow$ What we are doing

Making the farmer the main player and enabling him/her to manage effectively the farming lifecycle management

#### $\rightarrow$ Who is the final beneficiary

Ultimate beneficiary is you - the common consumer as you will get the healthiest food at the best price



# Steps we will follow

Analyse, Design & Develop - Farming Lifecycle Management Solution

[First 12 months]

Implement the Solution bringing in all players through a trial run for a District

[Next 6 months]

Full Roll out involving all players as a pilot project and at the state level involving the state administration

[Next 12 months]

TribalAg Limited Assurance

#### **Current Development Status of Innovation**

- <u>Goal of TribalAg Limited's project within the scope of the Innovative MSME</u> <u>solution</u> – *Farming Lifecycle Management Solution - An IT Enabled Technology Driven Agribusiness Solution Farmers and FPOs bringing all input and output players together and leveraging the collective bargaining power*
- Current Development Status of Innovation: This is a small but very important part of the overall project for next 5 years for TribalAg Limited, which we have included in our full submission on Innovative MSME. In this specific part of the project we are developing a technology platform which will bring all the input and the output players together, working in supporting the farmers to provide them the best priced inputs and best market priced output. We have ideated and analyzed the full project requirement for next 5 years with the bigger picture of TribalAg's scaling in mind to make an impact. But this part of the project which we have submitted to NITJSR will be taking: 1<sup>st</sup>. Phase: 12 months to detail analyze, design and develop the IT Platform, 2<sup>nd</sup>. Phase: Another 6 months to run as a trial and 3<sup>rd</sup>. Phase: Finally another 12 months to be fully implemented at the state level as a pilot project facilitated and supported by the State Administration. The 1<sup>st</sup> phase is within the scope of this project to be delivered in 12 months within the budget of Rs. 15 lakhs

#### **Expected Time for completion** of Idea

12 months for the 1<sup>st</sup> phase of the total project: Detailed analysis of all components of the project, design and development of the IT Platform





#### **Name and Details of Mentors**

- Mr. Kallol Kumar Ghosh: (Mentor and Software Development, Delivery and Implementation Expert), Director at TotalStart <u>Entrepreneurship Ecosystem Developers</u> <u>www.totalstart.org</u> LinkedIn Profile: <u>https://www.linkedin.com/in/kallolg</u>
- Dr. Suryanil Ghosh: (Chief Mentor and Mentor of Gol, MEITY, Octane Project, Agritech Incubator), Chairman, TotalStart Entrepreneurship <u>Ecosystem Developers</u> <u>www.totalstart.org</u>. LinkedIn Profile:

https://www.linkedin.com/in/shurjo

3. Mr. Surajit Bose: (Mentor and Finance Expert), *Ex-CFO Reckitt Benckiser*. LinkedIn Profile: https://www.linkedin.com/in/surajitbose-a1007942





#### Budget - Activity wise breakup

Particular Item - Farming Lifecycle Management Solution	Total Idea Project Cost (Rs. in lakh)	Amount GOI assistance (Rs. in lakh)	Incubatee Share (Rs. in lakh)
Technology related Expenditure towards development of IT platform and implementation etc. like Machine Usage Charges, Electricity charges, Procurement of raw material, testing/Calibration charges, other charges essential for development of idea <b>Max (45.00) lakh.</b>	45.00	44.5	0.50
Charges for mentor/handholding supporting team Max (3.00) lakh.	3.00	2.85	0.15
Travelling Expenses or any other item not coverd as above may be allowed as per need for development of the idea Max (2.00) lakh.	2.0	1.90	0.10



## **Thank You!**

We are here to make an impact at the district level with a paradigm shift to bringing farmer to the core of the business where he/she owns the business and creates wealth for himself/herself



अब पूर्वी सिंहभूम जिला झारखंड के किसान निशुल्क फलदार पौधे अपने जमीन पर लगाएंगे, टाइबलग लिमिटेड एक लाख पौधे अगले 3 महीने में लगाने का लिया संकल्प | दैनिक जागरण में

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behaving Limited अर्थदेवांडियों के साथ हाथ लिशा दहा है और अपकी क्रिसाल का सब्देव राजता है। इसरे साथ तीन तरह के लोग जुड़े हुए हैं. 1. प्रायक सामयों :- ये जो लोग होने जो इसले काम से सबले है जिसके लिए उन्हें टिविल मजदुरे ही जागरे। 2. सूचीर प्रायक :- ये जो लोग होने जो अपने प्रेल इने लेगर पर हे सबले हैं। 3. फिलाक ये जो लोग होने जो अपनी प्रेल इने लीग काला पहले हैं। इन्हें 3-644/4 Limited का पूछ समर्थन दोना। हुंपूट्स से जेकर अर्थतिंटर उन्हे करे तरह के सहायता दिवा जागा।	<ol> <li>Тольның саныны हागारे ताच पुढ़े औरती की नहीं कृषि तावनीक प्राटम करेगा और उन्हें उन्हें उन्हें तावने का अपनी मुद्दि में तानू करना होगा।</li> <li>Tonsing cannot struk के लिए बहा और सेहलर कामर उपनल्स कराएला दिवासे हार संगठत से पुढ़े कमें जेनी की भाषाय होगा।</li> <li>Tonsing Luoned तावाली की आवाद होगा।</li> <li>Tonsing Luoned तावाली की आवाद होगा।</li> <li>Tonsing Luoned तावाली की प्रांता हो की पालात पर उत्तराने के लिए अपना कास्तरा प्रार्थकार होता हो महे कमें लोगी की प्रार्थका की प्रार्थका का प्राराज पर उत्तराने के लिए अपना प्रार्थकार हेगा।</li> </ol>
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**Empowering the Farmers** and FPOs in a District through creating and adopting a unique technology platform bringing all players together

TribalAg Limited - Innovative MSME Solution #3

## District Level Agribusiness Ecosystem Integration and Enablement

This project focuses on developing an agribusiness ecosystem which will bring in all the players on a single unifying IT Enabled platform at a district level who are involved in providing support to a farmer or FPOs or any player engaged in this agribusiness ecosystem for smooth flow of transaction and at the end supporting the farmers or the FPOs to increase their productivity and get best pricing for their produce





## **#1** Farmers at the core

- → Move the Farmers from the bottom of the agribusiness value chain to the top of it
- → If farmers farm then only we eat and survive

=

→ Farmers are tightly integrated as the core player and actually the main player in this ecosystem and supporting the only player who matters most, the final consumer eating the farm produce

#### Onboarding the Domro Village Panchayat in the Dumaria FPO

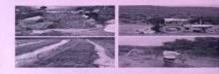


# Who do you think is the main player in a district agribusiness ecosystem?

## A Farmer?

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हण्डरे किसान भड़ाये बहनों और आदिवासी उद्यमित हमने आदिवासी किसाने को जैविक साहद सील, जैविक वीटनावक, और सबियाँ और अन्य प्रचलों की खेती के लिए दुनियादी सार्थ्यन की सभी प्रकार के दुनपुट देकर उनका दिलामा और समर्थन करने के लिए अगवत रुपर में एक मंग्रेज बरामा है। स्था का गमा (TotalAg Limited है।



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### Тір

Government & Government Policy Makers, Agricultural Officers, Farm Output Buying Agents, Farm Input Providers, Farm Loan Financial Institutes or Banks, anyon else?

## Just no one!

Farmer is on his/her own.



And rest are really not connected together to support the common goal of

- supporting a farmer to get best productivity with fair price for the produce and
- consumer to get best priced healthiest food

(And with very little help from anyone in the Ecosystem a farmer manages to survive)

Our IT enabled platform will bring in all players in a District Agribusiness Ecosystem in a transparent platform WITH THE FARMER AT THE **CORE** with all relevant and concerned players supporting

Exporters / Local Mandis / Large Corporate Buyers/ Captive Inhouse or Outsourced Agri Retail Units for Input Sales to Farmers & Output Sales Consumers	District Administration DC's Office	District & State Agriculture, Horticulture, Animal Husbandry & Fisheries Offices
RIs/CBBOs	FPOs & Farmers	NABARD / NAFED / NCDC / APEDA/ Agri R&D Institutes / GEM / TRIFED
SEED / FERTILIZER / AGRI-CHEMICAL / AGRI -EQUIPMENT COMPANIES	ENTREPRENEURSHIP ECOSYSTEM BUILDERS IN AGRI-ECOSYSTEM	BANKS / INSURANCE COMPANIES / OTHER FINANCIAL INSTITUTES



## What & For Whom

#### $\rightarrow$ What we are doing

Bringing the farmer to the core of the agri-business ecosystem

#### → Who is the final beneficiary

Ultimate beneficiary is you - the common consumer as you will get the healthiest food at the best price



## 4. Where now and to where next

#### **1.** Milestones

a. Established a Centre for Experimentation and Excellence for Organic Farming at Jhariya, East Singhbhum. b. Clocked a revenue of Rs. 32 lakhs in FY20-21. c. Have engaged with 1000 plus independent farmers making them a part of the ecosystem we are building, with 100 plus direct/indirect owner shareholder in the company

#### 2. Testimonials

Tata Steel is excited with the progress we have made and are willing to support our efforts for the next several years though their affirmative action program. They have been supporting us last 4 years to help us build the ecosystem

#### 3. What's next?

We want to get your support to build the ecosystem engaging all players involved at the state level and roll it down to the district level





# Steps we will follow

Analyse, Design & Develop - IT Enabled District Level Agribusiness Ecosystem Solution

[First 12 months]

Implement the Solution bringing in all players through a trial run in a District

[Next 6 months]

Full Roll out involving all players as a pilot project and make the DC's office responsible for success engaging all players

[Next 12 months]

TribalAg Limited Assurance



#### **Current Development Status of Innovation**

- <u>Goal of TribalAg Limited's project within the scope of the Innovative MSME</u> <u>solution</u> – *Empowering the Farmers and FPOs in a District through creating* and adopting a unique technology platform bringing all players together
- Current Development Status of Innovation: This is a small but very important part of the overall project for next 5 years for TribalAg Limited, which we have included in our full submission on Innovative MSME. In this specific part of the project we are developing a technology platform which will bring all the players in a District Level Agribusiness Ecosystem together, working in unison with the Farmers/FPOs at the core of the business as the main player. We have ideated and analyzed the full project requirement for next 5 years with the bigger picture of TribalAg's scaling in mind to make an impact. But this part of the project which we have submitted will be taking: 1<sup>st</sup>. Phase: 12 months to detail analyze, design and develop the IT Platform, 2<sup>nd</sup>. Phase: Another 6 months to run as a trial and 3<sup>rd</sup>. Phase: Finally another 12 months to be fully implemented at a district level as a pilot project facilitated and supported by the District Collector's office. The 1<sup>st</sup> phase is within the scope of this project to be delivered in 12 months within the budget.

## Expected Time for completion of Idea

12 months for the 1<sup>st</sup> phase of the total project: Detailed analysis of all components of the project, design and development of the IT Platform





#### Name and Details of Mentors

- Mr. Kallol Kumar Ghosh: (Mentor and Software Development, Delivery and Implementation Expert), Director at TotalStart Entrepreneurship Ecosystem <u>Developers</u> <u>www.totalstart.org</u> LinkedIn Profile: <u>https://www.linkedin.com/in/kallolg</u>
- 2. Dr. Suryanil Ghosh: (Chief Mentor and Mentor of Gol, MEITY, Octane Project, Agritech Incubator), *Chairman, TotalStart Entrepreneurship Ecosystem* <u>Developers www.totalstart.org</u>. LinkedIn Profile: <u>https://www.linkedin.com/in/shurjo</u>
- 3. Mr. Surajit Bose: (Mentor and Finance Expert), *Ex-*<u>CFO Reckitt Benckiser</u>. LinkedIn Profile: https://www.linkedin.com/in/surajit-bose-a1007942





#### Budget - Activity wise breakup

Particular Item - District Level Agribusiness Ecosystem Integration and Enablement Platform	Total Idea Project Cost (Rs. in lakh)	Amount GOI assistance (Rs. in lakh)	Incubatee Share (Rs. in lakh)
Technology related Expenditure towards development of IT platform and implementation etc. like Machine Usage Charges, Electricity charges, Procurement of raw material, testing/Calibration charges, other charges essential for development of idea <b>Max (45.00) lakh.</b>	45.00	44.50	0.50
Charges for mentor/handholding supporting team Max (3.00) lakh.	3.00	2.85	0.15
Travelling Expenses or any other item not coverd as above may be allowed as per need for development of the idea Max (2.00) lakh.	2.00	1.90	0.10



## **Thank You!**

We are here to make an impact at the district level with a paradigm shift to bringing farmer to the core of the business where he/she owns the business and creates wealth for himself/herself



अब पूर्वी सिंहभूम जिला झारखंड के किसान निशुल्क फलदार पौधे अपने जमीन पर लगाएंगे, टाइबलग लिमिटेड एक लाख पौधे अगले 3 महीने में लगाने का लिया संकल्प | दैनिक जागरण में

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behaving Limited अर्थदेवांडियों के साथ हाथ लिशा दहा है और अपकी क्रिसाल का सब्देव राजता है। इसरे साथ तीन तरह के लोग जुड़े हुए हैं. 1. प्रायक सामयों :- ये जो लोग होने जो इसले काम से सबले है जिसके लिए उन्हें टिविल मजदुरे ही जागरे। 2. सूचीर प्रायक :- ये जो लोग होने जो अपने प्रेल इने लेगर पर हे सबले हैं। 3. फिलाक ये जो लोग होने जो अपनी प्रेल इने लीग काला पहले हैं। इन्हें 3-644/4 Limited का पूछ समर्थन दोना। हुंपूट्स से जेकर अर्थतिंटर उन्हे करे तरह के सहायता दिवा जागा।	<ol> <li>Тольның саныны हागारे ताच पुढ़े औरती की नहीं कृषि तावनीक प्राटम करेगा और उन्हें उन्हें उन्हें तावने का अपनी मुद्दि में तानू करना होगा।</li> <li>Tonsing cannot struk के लिए बहा और सेहलर कामर उपनल्स कराएला दिवासे हार संगठत से पुढ़े कमें जेनी की भाषाय होगा।</li> <li>Tonsing Luoned तावाली की आवाद होगा।</li> <li>Tonsing Luoned तावाली की आवाद होगा।</li> <li>Tonsing Luoned तावाली की प्रांता हो की पालात पर उत्तराने के लिए अपना कास्तरा प्रार्थकार होता हो महे कमें लोगी की प्रार्थका की प्रार्थका का प्राराज पर उत्तराने के लिए अपना प्रार्थकार हेगा।</li> </ol>
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