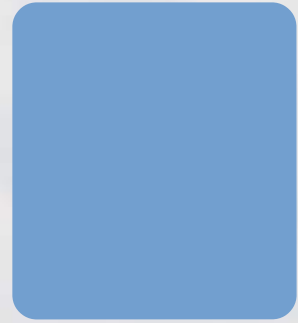


**“Society for Harmonious  
Renaissance of Ideas through  
Simple Technological Initiatives”**

**ANNUAL REPORT  
2022-2023**



To improve the life and livelihood of poor and disadvantages community of odisha

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# EXECUTIVE DIRECTOR'S

## REPORT

The entire year was spent to re-orient the Organization and its activities. Community Institution Building like Farmers' club, Farmer Producers' Organization crystallized and took shape. The Organization focused on Environment, Water Conservation, Plantation and Social mobilization and shaping the programmes with firm roots within the community.

All the staff members of the organization together made efforts and are involved in medium to long term projects like Wadi, Micro Watershed, Tasar Host Tree, Millet Mission and Agriculture Production Cluster with 22348 women farmers in Tribal dominated Ten blocks of Keonjhar, Mayurbhanj, Dhenkanal, Jajpur, Anugul and Sundargarh districts of Odisha.

The Farmer Producer Groups and members have started earning handsome income from farm based activities and are set to double their income with sustainability. During this year three Producer company at Keonjhar, Mayurbhanj & Dhenkanal were performing well in APC field. This year we conducted visits of State & District level Govt officials. Facilitate expousers of development professional of different organisation from in state and out states.

The advisors and trustees of the organization provided their constant support and guidance in forging alliance and cooperation with like-minded organizations, government and institutions. The staff members made concerted and serious efforts to work with the ultra-poor.

The entire efforts of the organization give a sustainable growth to the ecosystem through natural farming, organic farming, regenerative farming, plantation activities etc.



**Mr. Ranjan Ku. Mohapatra**  
Executive Director



**SHRISTI** stands for society for Harmonious Renaissance of Ideas through Simple Technological Initiatives,. According to Sanskrit it means creation or in other words it is innovation ,was set up as a Trust by experienced rural development professionals at Bhubaneswar, Odisha in the year 2001 with an objective to uplift the quality of life of rural poor through implementing multiple need based development projects focused on improved agriculture, sustainable natural resource practises, income generation livelihood and self reliant community institutions.

It is a trust creating a favourable platform for socially motivated and multidisciplinary expertise team to be the knowledge partner & providing the handholding support to the backward community includes marginal & small stakeholders for their rights and ensure the sustainable livelihoods in the field of agriculture, animal husbandry, Tasar through Integrated Watershed Development, Integrated Natural Resource Management, Community Mobilization and Plantation

### **Mission**

To provide handholding support towards establishment of self sustainable community organizations by enhancing their capabilities for resolving their problems collectively, through awareness and training in the field of agriculture, natural resource management, and liaison to make them economically stable encouraging thrift, credit and income generation activities/programmes, so that they develop approaches for improving their life and livelihood .

A method of recognition, encouragement and support to their innate talents and capabilities followed for actualizing the above mission.

### **Vision**

Aspiring for a society free from starvation and power by improving life and livelihood of the poor and disadvantaged communities is the vision of SHRISTI.

### **Objective**

To make the peoples self sustainable, self reliance and for a dignified life by using their own available assets, skill set & HR through enhancing the household level income (Rs 1,00,000 + (additional Rs 90,000) per HHs per annum) by engaged in multilivelihood activity in tribal dominated districts of Orissa.

### **Approach**

SHRISTI strives to improve the quality of life of the rural poor by strengthening their existing Livelihood programmes, initiate new activities to diversify and increase their income, in the tribal areas with the following approaches.

- To develop self reliant, self owned and managed **community institutions** (SHG, SHG Federations, other village level community institutions), which act as the secondary tiers and to spear head development services .

- **Community** ownership approach is the base for all interventions inside the village .All the interventions are selected considering both the landed as well as the landless households.
- For **Irreversibility of the impact** of our intervention with increased resilience of the communities we focus on make capable the community skill set to lead the development process of her village with out looking to backward.
- **Demand driven activities** to ensure tangible economic benefits and saturation in terms of area and Households. Demand led activity triggering community’s approach of changes which leverage existing process optimization and enthuse individuals towards prosperity.
- **Develop the local cadre** of well trained and capable local service providers to provide handholding support to the members during their need & make available the continuous services at village level.
- **Market-led intervention:** Core underpinning of overall approach of scale, sustainability and impact at macro-level
- Introduce of **Technology, Innovations, Scientific tools** like (GIS, GPS, Drip, Mulch, solar based solution, soil less nursery, grafting, farm mechanisation ) will be used for achieving greater result.
- **Convergence with Govt & other stakes** we facilitating the process by which community able to build a sustainable relation ship with Govt and other stakeholder.
- **Develop Infrastructure & models** (community Assets, water resource ,hi-tech nursery, Goat shed & WADI,)for natural resource management in order to protect and use the Resources for sustainable development.
- In **Human Resource Development** we provides need based exposure, training & conducting the timely review & planning with an objective to success in every implementation.

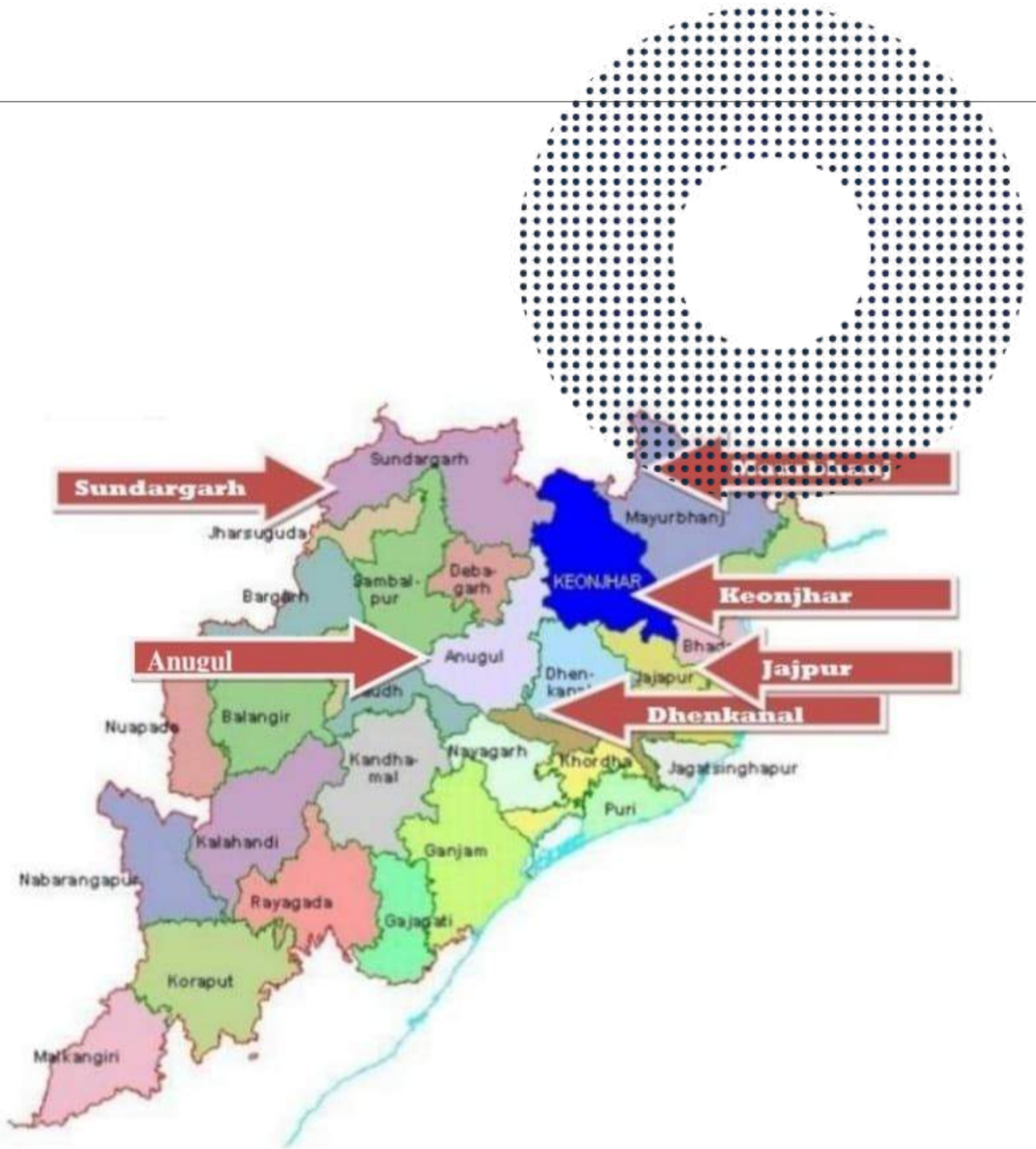
## Out reach

SHRISTI has continued its effort to uplift the quality of life of rural poor through implementing many need based development projects focused on improved agriculture, sustainable natural resource, income generation, livelihood and self reliant community institutions. SHRISTI creates a conducive platform for socially inspired and well educated people to work with the villagers in order to enhance the socio-economic development of poor. Presently SHRISTI works with 323 villages covering 22348 households across, 10 Blocks of 6 districts (Keonjhar, Maurbhanj, Bhadrak, Jajpur& Dhenkanal) of Odisha by developing local community institutions .

SHRISTI continued its effort in partnership with the Government (District Rural Development Agency, Agriculture Department, Horticulture department, District Mineral Foundation), NABARD and non-government domestic & international development organizations.

## DISTRICT & BLOCK COVERAGE

District	Block	G.P	Village	HH
Keonjhar	4	35	175	10153
Dhenkanal	2	13	32	3162



Key activity

Our key activities are aligned with the sustainable development goals (SDG) & Millennium Development Goals (MDG) also known as the global goals, to action to end poverty, protect the planet, and ensure that by 2030 all people enjoy peace and prosperity.

Through each project SHRISTI undertakes various goals in an integrated manner. We recognize that action in one area will affect outcomes in others, and that development must balance social, economic and environmental sustainability. SHRISTI have committed to prioritize progress for those who're furthest behind. These are designed to end poverty, hunger, and discrimination against women and girls. The creativity, knowhow, technology and financial resources from all of society are necessary to achieve the SDG & MDG in every context.





# Community Institutions



The organization believes that the change in the lives of section of community, who are being pushed back, can come only through the initiative from this class itself to fight for their own space, dignity and development. SHG,VO Federations, secondary tiers and other village level community Institutions are core institutions that spearhead this development process; they are nurturing agents of change within the community.

Focousarea “Mula Mantra “

- Janiba,Janeiba,Sikhiba,Sikheiba
- Bhitibhumi (narisangathana) kuSadrudhakariba.
- SabuparibarakuneiAgakubadhiba.
- Sabuparibararabikaspanimadhyamaheba.

### **Institutional Model**

SHRISTI approaches or focus to develop self reliant, self owned and managed **community institutions** (SHG, SHG Federations, other village level community institutions), which act as the secondary tiers and to spear head development services .The first step was to organize or promoted Women Self Help Groups (SHG) at the hamlets with concentration of poor and tribal families, which makes the proper communication flow. 2<sup>nd</sup>ly organize the village level women institution like VO/CLF/VDC/PG .All the activities are administered through community institution at the hamlets/villages by a team of experienced staff members, Skilled Extension Workers, Agro entrepreneur and Service providers from the local villages..SHG clusters like VO/CLF/VDC/PG/ PC have become a space to create awareness on Government different schemes , its implementation and other related matters. Through Village committee they are dealing with village development and wellbeing issues. Village Organization is a nodal agency of the village ,Total members of the SHG were member of this committee . From each SHG there are three members were come to attend the monthly meeting. In this meeting all SHG representatives were share their problems of SHG health, Financial transaction , agricultural & social status, then jointly all are trying to solve the problems and taking decision for specific SHG. All representatives were carry the decision and share with their SHG members. But as per available Projects design we are promoted and strength the different groups like farmers club, watershed, Udyan bhikas, Tasarbhikash Samiti with specific objectives but we monitor this group under our developed village level platform. The review and planning of projects are conducted in this platform .

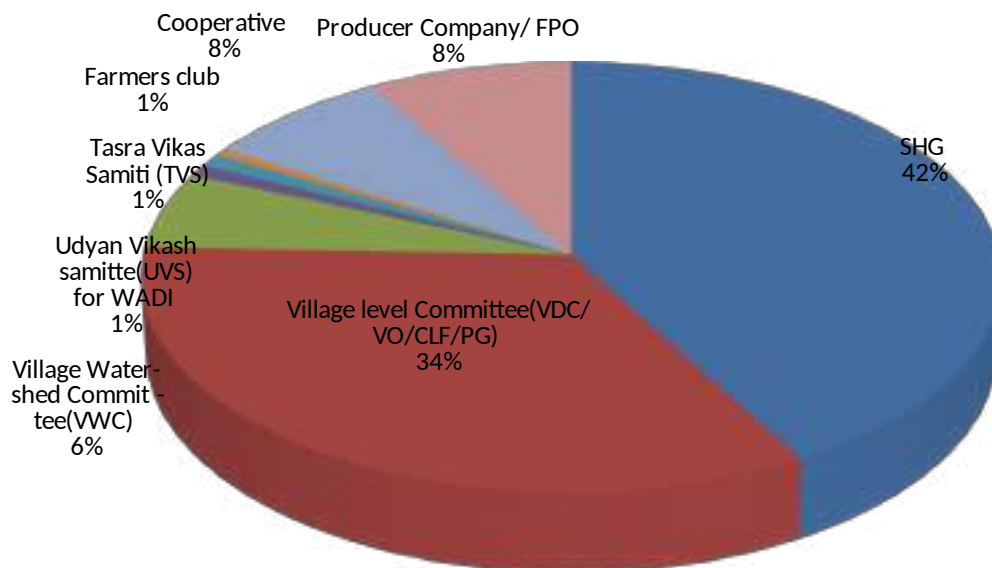
### **VILLAGE LEVEL INSTITUTIONAL WORKING MODEL**

### Engagement with different communities

During 2022-23 and as per available Projects design we are promoted and strength the following Institution are mentioned below.

Name of CBOs	No.of CBOs	Formed/functioning since- Years	Total members
SHG	2151	2002- continuing	19035
Village-level-Committee (VDC/VO/CLFPG)	107	2015-continuing	19035
Village Watershed Committee(VWC)	9	2011- Continuing	3245
Udyan Vikash Samitte(UVS) for WADI	9	2015-continuing	514
Tasara Vikas Samiti (TVS)	18	2019-continuing	530
Farmers club	15	2011- continuing	300
Cooperative	13	2003- continuing	4400
Producer Company/ FPO	5	2021- continuing	4800

**Type of community coverage**





## Block level Producer company

During our Agriculture production Projects on 2021 we are promoted 4no Block level Producer Company at Keonjhar, mayurbhanj& Dhenkanal in different Projects like APC,Millet mission with a objective to provide input and out put services at door level to 10000 womens farmers. The company were getting support from Mission shakti ,DMF and Shristi is providing the day to day guidance to Producer Company. After two yearstruggle now all PC have won office, staffs. They also initiating input and output business with little margin . They applied seed,fertilizer& pesticide lisencc all are getting the seed lisencc and other are in progress.They addressing the legal activities like timely GST filling, audit and share fillings. The details are

Sl.No	Names	Address	Activity	Farmers involved
1	Udyogi Farmers Producer company Ltd.	Harichandanpur, keonjhar	Vegetable, pulses,fruits ,live stock, seed ,fertilizer & Pesticide.	3009
2	Kankadahad Farmers Producer Company Ltd.	Kankadahad, Dhenkanal		3000
3	Similipal Farmers Producer Company Ltd.	Khunta, Mayur bhanj		3012
4	Champua Farmers Producer Organisation	Champua, keonjhar	Millet	1000

### About Udyogi farmers Producer company

**Udyogi Farmers Producer Company** ,Harichandanpur received best entrepreneurship award on innovation business catagory from Smt, Basanti Hembram, Honble Minister, Mission Shakti on 3<sup>rd</sup> December 2022 at Make in Odisha conclave, Bhubaneswar. Also got as District level best PC award at District level Palishree/ GonasikaMahosthab, Keonjhar



During the Agriculture Production Cluster Project (APC) project in Harichandanpur Block 3009 members were assemble them within 23 Producer Group with a common objective to doubling the income through different livelihoods and with this principle from last three year, 60% of peoples were involved in commercial vegetables & commercial live stock rearing with the technical support of SHRISTI a civil society organization works as the knowledge partner at village level. The producer Group were now linked with different departments and getting benefited from Govt department and for their development a developed three tire GO & NGO committee(BLC,DLC,SLC)



are working. Now most of farmers were getting experience in production, marketing, Bargaining & linking process. Regular support from govt., private players and NGO is helping them in creating value chain development and awareness to growing high value crops and rearing livestock's. For the sustainability growth of all farmers and irreversible impact of all activity. On FY 2020-21 all 3009 no women SHG members were joining together hands for Holistic development of all producers of Harichandanpur Block through promoting the Udyogi Farmers Producer Company Limited a block level unit which designed to perform with the support of village level 23 no Producers group, under the Agriculture Production Cluster Project

The main Objective of the Producer company is to enhance the additional income of Rs. 50000.00 for our marginal producers from different livelihood options by provide the quality input supply service, insurance services, marketing opportunity at door step, introduce new low cost technology, develop a sustainable linkage with technical & financial resources, enable easy access to quality input services, enhance the productivity & knowledge building of producers for its sustainability growth.

### **Major Engagement and Achievements**

During the FY2021-22 UFPCL has been provide the services and profits to 600 members by initiating the different following practises.

#### **1. Share holder Mobilisation.**

At the beginning of the PC Rs256400/- deposited by 273 share holders and planned that we convert all the remaining members to our Share holder within coming two year. As our objective over a period of 2-3 year the PC will be self reliant and will gradually add other potential products and services and will extend services to more members in the Harichandanpur Block. PRADAN oriented the professionals regarding the PC straighten process. SHRISTI also conducted hamlet level event, orient the Village leaders and celebrating the Panchayat level mela for PC strengthen. At the end of the year 1628 members were deposited 1210800/-share money.

#### **2. Quality input support.**

During the lock down ,shut down situation due to ongoing of Covid pandemic, quality and timely input was become a challenge for all. To make the Successful khariff agriculture at that time UFPCL planned to made available seeds at door level of his producer with reasonable price. SHRISTI team coordinating the total business process through arranging virtual meeting with Board of Directors (BOD) and other village leaders. Last year UFPCL able to make a business turnover of Rs.100400.00(kharif seed-8.48, rabi seed-1.56) and getting a margin cost of Rs.74250.00.Through this initiative, 600members were benefited in this business.

#### **3. Output linkage, marketing of farmers produces**

In Last year before production APC team and UFPCL members were prepared a root map of production and marketing strategy for avoid any type of loss. Total 1006.67Ac covered under vegetable cultivation. Bitter gourd, radish, tomato, cauliflower, brinjal are our major crop out of all Bitter gourd is our winner crop which saturated on 160Ac. Total 3267.38 Qtl produces of 900farmers were marketed at village level with synchronised manner through PC to 12no

different markets of Keonjhar, Barbil, Jajpur, Barbati, Baleswar, Panikoili, Tata & Bihar by developed market linkages with 12no market players. Now PC involved in Jackfruit and Mango marketing this year 50qtl jackfruit and 80qtl Mango marketed by taking PC margin of Rs.10000.00, farmers were getting up to Rs.5.00 in each kg.

#### 4. Adoption of new technology & Practices.

- a. **Drip irrigation-** With the convergence with Horticulture Department 29no farmers were taking drip and mulching system over 12ac of land. Now farmers were easily doubling their income by vegetable cultivation throughout the year. This year PC providing the mulching to farmers with less price.
- b. **Solar operated bore well-** 101no farmers were benefited through community solar based bore well with the support of OMBARDC fund, Horticulture. 2no of Electric bore well with the support of ITDA. Now farmers were applied to Govt for installation of drip system.
- c. **Solar based cold storage-** 5no of 5Mt solar cold storage installed at Panchayat level with the support of OMBARDC, Horticulture. Now farmers were easily storage their surplus volume. In summer farmers were storage 50qtl tomato for 15 days and getting the additional amount of Rs.20.00 in each Kg. Now vendors were coming to lift the produces from storage point.
- d. **Soil less nursery-** Now 7 no of soilless nursery available at panchayat level which are managed by Agro entrepreneur. Now 1500 farmers were getting healthy seedlings from nursery. Entrepreneurs are getting quality seeds from PC with reasonable price. Now PC planned to provide other inputs like coco pit, vermiculite and partite for better nursery.
- e. **Farm mechanisation-** With the support of ITDA & Agriculture department , 4no of Agro service centre developed in 4PG of 4no GP. Total 2000 farmers were planned to taking the benefits and which helps the farmers to complete the agricultural work in time with less expenditure. In this centre tractor operated three sure, rotavetor, power tiller and power sprayer are supported to PG . PG gave the implements to AE on agreement basic. Annually one PG getting 20000.00 amount from this system.
- f. **Access to Finance:** Start-up cost and administrative cost support of Rs 17.6 lakhs to UFPCL from department of Mission Shakti helped in in initial establishment.
- g. **Capacity Building:** Access to modern technology, extension and training on production technologies helped farmers to increase productivity.

#### Progress during 2022-22023

Activity	Achievement (2022-2023)	Plan (2023-24)
No of Share holder	1628	2500
Turn over (Cr)	1.04 Cr	2cr
Share Capital Amount (Lakhs)	12.108	18
Input Business (Lakhs)	7.7463	20
Output Business (Lakhs)	90.25672	200
Margin amount (Lakhs)	0.6798	10



## Land & Water Management

This intervention ensuring the availability and develop of quality resources at house hold level by practising NRM practises like adopting Scientific tools , GIS, GPS mapping, which helps in increase the family income. Objective is delivered under following activity and programs.

- Micro planning and net planning.
- Watershed management programmes
- Community irrigation asset creation.
- Micro Irrigation.



## NET PLANNING

The basic need of net plan is to treat each and every plot in ridge to valley approach with a objective I.e. how to increase maximum irrigated land or agriculture land in the watershed area with practice of simple technology..The following are also some of the important need of the net plan:

- To provide equal opportunity to share a say on the proceeding issues and to contribute in finding out the best solution.
- Endowing the villagers with a sense of ownership with commitment towards shouldering responsibilities of overall management.
- To create opportunity to discuss and decide action plan for social, institutional and human resource development issues which are adversely affecting the quality of life around.
- Enhancing better utilization of existing village resources and reducing the expectation of getting support.
- To reveal a strong village institution for better distribution of benefits among the poorest of the poor.

**GIS-Based net planning** –With the Support of NABARD & GIZ team this year we are undertaking 5no projects on GIS based net planning by which The plan comes out as output is based upon the scientific logic, analysis, and planning process, and is strongly backed by the spatial and non-spatial data available from various resources

### Process of net planning

For the Successfully completion of net planning we are developing a professional team who takes the ownership of total process till its completion it includes two civil engineer, Agriculturist, Forestry, Social mobilizer, Local resource person & Watershed committee members. During our net planning we are going through the following process are

Process	Activity
Village level meeting	1. Sharing the objective of the net planning. 2.Process of the planning.
Arrange -secondary data	Data arrange like maps, slop, texture, resource from GIS portal
Mapping (Social & resource)	1.Finalize the hamlet wise house hold data. 2.Identify the availability of land & type. 3.Availability of existing water, forest & other recourses.
Plot to plot visit with villagers.	1.To make better understand about the village area. 2.Verifying the prepared map. 3.To know the actual situation of the existing sources.
Group discussion with villagers	1.Identification of major problems. 2.Taking suggestion of each villagers. 3.Sharing the feedback of plot visit. 4.Trying to solving the problems.
Proposed mapping	Identifying the proposed activity (suggested by villagers & us).
Plot wise planning	Complition of net planning fprmat



## watershed management leading to better livelihood

As per our earlier base line survey Majorly we are focused this programme on Keonjhar&Mayurbhanj District of Odisha. The major **objective**are

- To check the soil erosion
- Conservation of soil & water.
- Enhance of soil fertility & productivity
- Rain water harvesting & enhance the ground water recharge
- Regeneration of natural vegetation.
- Improve crop yield, farmer income & livelihoods.
- Increase the cultivable & irrigated land.
- Promotion of vibrant community and secondary tiers spearheading the development processes in the area .

With the Support of NABARD we are continuing the watershed Projects in harichandanpur and Ghasipura Block of Keonjhar District. Under this programme we undertake the following **activities**.

- Ridge To valley approach
- Soil and moisture conservation initiatives.
- Measures taken for increase the productivity land
- Rain water harvesting
- Irrigation structures for through out the year
- Agricultural and allied activities including horticulture, forestry, pasture development and livestock development
- Capacity building of community through training & orientation to carry out the development process & decision making.
- Aware the farmers about new technology & practices

During the year.

NABARD Watershed is distributed in 3phase, 1<sup>st</sup>phase Capacity building phase(CBP), 2<sup>nd</sup> is Feasibility Study Report(FSR) and 3<sup>rd</sup> is full implementing phase (FIP). This year we are completing CBP of three watershed at Ghasipura Block. We are completing FSR of 5no Watershed of Ghasipura&HarichandanpurBlock,keonjhar. During FIP we prepared and submitted the Detail Project report to NABARD, prepare by professional team with help of **Scientific tools** like GIS, GPS mapping with village community. This year 5watershed are been graduate to Full implementing phase.

We have experience of 11 micro watershed projects and covering 5345 Ha with the support of NABARD & MORD.

Sl. No	particular	Coverage
01	No of Districts covered in Odisha	2
02	No of Blocks covered	3
04	No of Ongoing project	8
05	Area (In Ha)	5345,7
06	Total area (Ha) under watershed treatment	4812.16



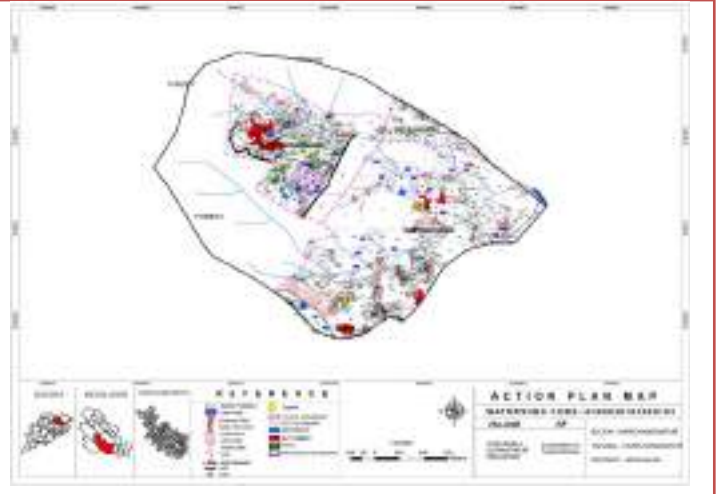
**Meeting with community**



**Planning verified by NABARD & GIZ team**



**GIS based survey by droan camera**



**Proposed Map**



**WAT protect a 15acr of vegetable cluster**



**Gabion structure**



**Percolation Tank of Sashikanta Say**



**Stone patching (12mtr): Protect the field**



## Community Assets creation.

Shristi has been working in tribal and upland dominated areas where land is the only one major assets of people but due to lack of irrigation now its became waste for farmers. Irrigation is a challenge as well as costly affairs for all. So Shristi plan and focused on community irrigation structures with local understanding within community. Major objective of the initiative is to ensure and to provide irrigation through out the year and provide minimum .50acer of land of each house hold. We try to convergence the



different Govt schemes at village level and 30% contribution comes from the water user group which are deposited at community level for feature need. Under our Agriculture cluster Project we constructed Bore well, dug well, Farm pond, River lift project in convergence with Horticulture, Agriculture, OLIC,OAIC,ITDA,Soil conservation, OMBADC & DMF.

1032No of House hold benefited

Total area 1386 ac under assured Irrigation

## Micro Irrigation.

Day to day the family size is increased but the land size is limited which is became insufficient resource for a family , which causing the migration situation. So Micro irrigation is introduced as a technology which helps to return more or two times more from the same land size. The main objectives of Micro-Irrigation technologies to enhance water use efficiency in irrigation



sector. Increase productivity of crops and income of farmers through precision water management.Now Shristi professional as well as some of village cadres are well trained on management of drip irrigation system. In drip irrigation one can easily taking three cycle of crops in one time field preparation and less manpower.

140 No of House hold benefited

Total area 190 ac covered with drip irrigation system.



## Livelihoods

In this activity we are focused on increase the income of household by involved them in multi livelihood practises by utilising or developing their existing available resources. We includes farmer in

- Plantation
- Commercial vegetable cultivation,
- Livestock rearing.,
- NPM Practises
- Fish farming.,
- Mushroom cultivation,
- Floriculture
- Millet cultivation for
- Tasar rearing.



For enhance the instant income of tribal's from combination of multi livelihood activity we concentrate on improved practices & technology in our agricultural practices of different involvement like agriculture, Horticultuer&Livestock .Shristi being a knowledge partner of community, is involved with house hold after assessing ones available existing resources by interdusing simple technology. Our objective to increase the farmers income up to Rs.1,00,000 or additional income of Rs. 80,000 per annum for their families through engaging them in multi livelihood. The operated livelihood and income model is mentioned below.

Sl No	Activity	Standard unit	Income	Additional income
1	Improved paddy	1acer with line transplanting	Rs.47500.00	Rs.28500.00
2	Vegetable cultivation	50dec throughout the year(khariff+rabi)	Rs.50000.00	Rs.20000.00
3	Vegetable with Drip &mulching system	75dec through out the year (Khariff+rabi+ summer)	Rs.112500.00	Rs.67500.00
4	Goat rearing	Herd size 15no	Rs. 45000.00	Rs.20000.00
5	Backyard Poultry	Herd size 30no	Rs. 10000.00	Rs.5000.00
6	Fish cultivation	3000 Sqf	Rs. 10000.00	Rs.10000.00
7	Tassar	100df	Rs.15000.00	Rs.10000.00

We ensure the implementation of above livelihood models through our on going Projects.

#### On going project details- 2022-2023

1	Plantation Implementation of Integrated Tribal Development Programme in- WADI	NABARD	Harichandanpur-Keonjhar
2	Plantation (DMF- WADI)	District Mineral Foundation	Jhumpura&Champua of Keonjhar
3	Plantation (DMF-TASAR)	District Mineral Foundation	Harichandanpur of Keonjhar
4	Watershed	NABARD	Harichandanpur&Ghasipura ofKeonjhar
5	Special Programme for Promotion of Millets in Tribal-cum-Mining Areas of Keonjhar, Odisha Under DMF	District Mineral Foundation-DMF	Harichandanpur of Keonjhar



## **WADI- Orchard Development**

In the tribal & upland dominated area of Keonjhar, Dhenkanal & Maurbhanj for the sustainable livelihood approach we are going for plantation based livelihood programs. Initially we are finalizing the plantation field with village level discussion then we prepared the Detail Project Report and share with community for its planning approach to final the implementation work. The Promotion of sustainable livelihood opportunities for participating tribal communities through remunerative self-employment through establishing WADI (small orchard locally called BADI) model. Projects are ongoing with the support of NABARD, District Mineral Foundation (DMF), MGNREGA of Horticulture Department, DCCD Cochin.

### **Objective of the Project:**

- To promote sustainable, participatory livelihood development of small and marginal farmers through Orchard plantation.
- To improve the socio-economic condition of families leading to reduction in poverty and migration.
- To rejuvenate the local natural environment in an integrated and comprehensive manner.
- To build and strengthen Community based organisations/institutions which would enable the communities to aggregate and market the produces.

WADI project will ensure that the socio economic status of people of the area develop in the following ways:

- Strengthening local community institutions
- Establishment of orchard of the selected fruit crops as a foundation economic activity.
- Utilization of border of the orchard for planting of short term crop and economical species to meet the annual expenditure.
- Adoption of in situ soil conservation measures to arrest further degradation of soil and shaping of the land to make it suitable for establishment of orchard.
- Increasing the soil health status through organic approach & soil conservation measures
- Development of water resources individually or on community basis to provide protective irrigation for fruit plants. The emphasis is on dry land horticulture, providing irrigation during the critical period by adopting the time-tested water saving pitcher irrigation technique.
- Adoption of improved farming techniques, by capacity building of the participating farmers through technology interventions, training, and exposure visits etc. to improve the crop productivity, production and quality of the produce.
- Introducing income generation programmes for women groups And try to enhance the food and nutrition security of the household level.

**Project Design :** Minimum of 500-1000 acre. in each Block. The total programme of plantation phased over 5 year.

**During the year** we are completed the NABARD WADI Project and complete the plantation year of DMF-WADI project. Majorly our focused gone in completion of irrigation structure, house hold coverage in intercropping practises , plant management and plan for cashew marketing.

3441acre fruit tree plantation coverage

3297no Household are involved in Plantation activity.

Major crops are Cashew & mango

18no Udyan Vikash Samiti are actively involved.

### **Tasar Host tree Plantation**

Tasar rearing is the old traditional occupation of tribal peoples in Keonjhar& Mayurbhanj District but due to non availability of resource plan now the practice is missing., now our objective to create the resource plant field for reactive the livelihood practices in this area .So with the help of District administration , the tasar host tree plantation project is initiate at Tangriapal GP of Harichandanpur Block with the financial support of District Mineral Foundation (DMF)Keonjhar, MGNREGA with the technical support of sericulture Department. The major objective are

- The core objective behind promotion of Tasar host plant raising programme is to develop 300 hectare of Arjuna and Asan plantation on revenue waste land in mining affected villages of Harichandanpur,Banspal&Jhumpura block of Keonjhar District to provide livelihood earning to 600 families from tasar silk worm rearing.
- To promote sustainable, participatory livelihood development in the mining affected areas of Keonjhar through plantation of Tasar host trees
- To create dependable plantation asset base for Tasarrearer in a cluster approach in the Tasar growing areas of the district
- To improve the standard of living of beneficiaries families by enhancing access to natural resources leading to reduction in poverty
- To increase plantation cover in the district by utilizing revenue wasteland
- To rejuvenate the local natural environment in an integrated and comprehensive manner
- To build and strengthen local institutions which would enable the communities to be partners in programme execution and bringing improvement in their social and economic status

The TVS are actually “owns” the project and is responsible for the planning, implementation, monitoring and maintenance of the project with guidance from SHRISTI. Assistant Director Sericulture, Keonjhar is the conveyor of the project. The material and HR component of the project is funded by DMF whereas the entire labor component was converged from MGNREGS.

**Project Design :** Minimum of 500-1000 acre. in each Block. The total programme of plantation phased over 5 year

**During the year** we are completed the plantation year of DMF-Tasar Host tree plantation project. Majorly our focused gone in completion of irrigation structure, fencing, house hold coverage in intercropping practises , plant management , commercial seed rearing and initiate the tree pata application process of 1<sup>st</sup> year plantation field..



300 hectortasar host tree plantation coverage  
 300no Household are involved in Plantation activity.  
 Major crops are Asan & Arjun  
 14no TasarvikashSamiti actively involved.

### Non farmer became successful farmer

**The Common Times** 7  
 Bhubaneswar Tuesday 9<sup>th</sup> March 2021

## Journey of a Non-Farmer to a successful farmer

**Kendujhar (Devishankar Dash, TCT)** - Shatrughna Naik, a resident of Gidhibas Village in Jhumpura Block of Keonjhar could witness a twist of fate when he initiated work with the Wadi programme supported by District Mineral Foundation (DMF) Keonjhar and Directorate of horticulture, Govt of Odisha. Wadi project was implemented in the year 2019 with an objective to enhance the livelihood activities and income of farmers. Under the program, Shatrughna with his wife Ratnamani planted 44 fruit bearing plants in 0.64-acre plot in a 20-acre patch (sibsanali canal patch). With proper mobilization, trainings on pit digging and pit filling and other earthen works with enhanced wage support from NIGRREGA in Keonjhar, he along with his family actively participated in the Wadi Program conducted by a local NGO - Shristi. Shatrughna could earn a satisfying 40,000 Rs. under the project during the lockdown period, where there was distress for jobs and livelihood. Considering the benefits of the project, he has already started planting for the next season. The Wadi project under DMF is a holistic attempt to promote agro-horti-forestry based livelihood as a source of income security for small and marginal farmers in mining affected areas. The model provides an assured and continuous source of food, fodder, fuel, medicine and timber, year after year, once the trees reach maturity. Implemented at a cost of about ₹ 29 crore, more than 900 small and marginal farmers in mining affected areas have benefited from the initiative so far.

Under DMF-WADI Project Satrugana Naik, H/o - Ratnamani Naik of Gidhibas village of Jhumpura Block a non vegetable farmers became a commercial vegetable growers during the Covid pandemic situation by utilising the irrigation infrastructure and other supports from DMF. Now He became a example to others.

### Reduction of Migration



Kuni Giri w/o- ChitrasenGiri a DMF-WADI farmer of Rajia village of Champua Block of Keonjhar District was regular migrate to Banglaore with his family in every year but from last two year after WADI implementation ,She is involved in vegetable cultivation and able managed his family.

**Intercropping leads the successful (NABARD- WADI with PVTG)**

Nadam is a unreached hamlet of Nalapnga Village of Budhakhman Panchayat, Harichandanpur Block, Keonjhar. The hamlet is situated on a foot hill and covered with forest , perineal streams. The population are belongs to “juang” Primitive tribe Group which are mainly depended on forest. During our WADI project we are initiating plantation with 45acrs of waste land by producing Chanchakhai Udyan Vikash Samiti on 2016. Our first year was spending in WADI development like planting, fencing & community mobilization. On 2ndyear year we are initiating the household wise kharif planning and providing the handholding supports through ensuring the timely input arrangement, pest management, timely intervention, field demonstration regular follow-up & marketing. With our team effort In 1<sup>st</sup> time 8 farmers were engaged in commercial vegetable cultivation then on 3<sup>rd</sup> year total 32no of farmers were raising the community nursery and did the brinjal, radish , cowpea , black gram cultivation on 20acre of land from which each family is earned Rs15000.00 from average of 20decmile of land. This intervention helps in build their confidence and make them educated about the commercial vegetable. After three year regular intervention now this field became a successful WADI patch. The growth of plants are well . The hight & width of the plants are 10 to 12fit with healthy canopy . From this year farmers starting their harvesting, now each house hold has collecting average of 30kg cashew nut during this year from his WADI & also continuing the commercial vegetable in other private land .

3 <sup>nd</sup> year field	4 <sup>th</sup> year
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5<sup>th</sup> year



6<sup>th</sup> year



### Agriculture Production Cluster (APC)

Promotion of Agriculture Production Clusters in Tribal regions of Odisha is a collaborative initiative by Department of Agriculture and Farmers' Empowerment & Panchayati Raj & Drinking Water Department, Govt. Of Odisha. This project is operating the joint partnership with BRLF & Selected NGOS in 75 blocks of 14 highland districts. SHRISTI being a partner has been implementing the initiatives at 6 tribal & upland dominated Blocks of Keonjhar, Mayurbhanj, Dhenkanal, Anugul, Chompua & Sundargarh with the Support of BRLF & DMF..

Outreach of APC					
Name of the State	Name of the District	Name of the Block	No. of Gram Panchayat	No. of the Villages	Households Coverage
Odisha	Kendujhar	Harichandanpur	9	32	3009
Odisha	Mayurbhanj	Khunta	8	38	3000
Odisha	Dhenkanal	Kankadahada	10	25	3012
Odisha	Anugul	Pallahara	9	43	3017
Odisha	Sundargarh	Bisra	5	28	2910
Odisha	Kendujhar	Chompua	8	34	2596
<b>Total</b>	<b>5 Districts</b>	<b>6 Block</b>	<b>49</b>	<b>200 Village</b>	<b>17544HH</b>



## Objective of the APC

- To trigger growth in farm sector with the objective of sustainably doubling the income of 1 Lakh small and marginal farmers. (16006 families in 6 blocks of 5 District).
- To establish the model of Agriculture Production Cluster (APC) in 3 backward blocks as an effective method to organize production system and services of markets

## Progress of the Project

During this year we are successfully formed & linked the 147 Producer Group with OLM & Mission Shakti .For successful operation of PG programme the Udyagmitras were selected by written examination & some places finalised by PG members in meeting process. We are finalized the winner crop after conducted a market study & taking priority to farmers practice also finalized its POP & PG wise Business plan the same was oriented to all members. The PG wise DPR & Assessment report were done with the participation of PG members and was submitted to OLM for release of IB &CB fund. In this project we focused in PG formation, Vegetable cultivation, Plantation, NPM, Irrigation, Livestock, Infrastructure development & farm mechanization. The progress as below.

Activity	Achievement 2022-23	Remarks
PG promotion	145 (17544 HH)	145 PG formed and agriculture activity taken. Village mapped with OLM, Mission Shakti & ORMAS.
Agriculture	9481 HHs 6940.15 Ac	(Veg, pulses, oilseeds, High Value Paddy)
Fruit tree plantation	721 HHs 1086.32 Ac	Cashew & Mango
NPM	3223 HHs 1410.5 Ac	Prepared by PG members
Irrigation Potential creation	797 HH 1085 Ac	142 Acre ongoing
Livestock	2714 HHs	Vaccination & deworming of goat & BYP
Fish farming	172 HHs	Farmer own contribution
Mushroom Cultivation	389 HHs	Farmer own contribution
Farm mechanization access	1769 HHs	Machineries & equipments installed

Dhurudiambo village, is coming under Dhurudiambo panchayat of Harichandanpur block, Keonjhar district. It is situated 9km from Block Headquarter .The village is dominated by upland and tribal peoples like Munda and Naik. The area is fully covered by natural resources like reserve forest and dry nala. The village geographical area is 694 hector out of this 260ha is comes under forest area . Out of the land category 60% is upland, 17% and 23% are medium and low land respectively. Paddy cultivation is the main livelihood option for them, secondly they depends upon NTFP like tasar, sal leaf, mahua seeds, firewood & etc & some are depend upon livestock's The people of this villages are simple, nice and laborious. They used to migrate koida, dubri to mines area and engaged under the patty contractor for labour work and some are engaged in stone crusher in a regular manner.

**Winner crop “bitter gourd” build a Identification of Dhurudiambo panchayat**  
farmers has the upland and upland are the main assets of the farmers and water is the main challenge and reason for its un development.



### Jointly Action Taken With Community:

Shristi as a CSO Partner of APC Project we started the journey with one Producer Group Maa Laxmi PG on 2018 under Agriculture Production Cluster to accelerate the village development process. But due to more interest of people now another Kalyani PG formed for Dhurudiambo village on 2019 under the support of Mission shakti. Through PG they are dealing with village development and wellbeing issues. In every month the VO meeting held with the presence of SHG representatives. In this meeting all are sharing the one month experience & failure within the team. SHG

representatives were share their problems of SHG health, Financial transaction, agricultural & social status, then jointly all are trying to solve the problems, taking decision & planning the next work.. All representatives were carry the decision and share with their SHG members.

### Changing scenario of Dhurudiambo :

Particular	Still Progress	Remarks
Total House Hold	210	
Total Tribal House Hold	192	
Total SHG	19	
SHG House hold coverage	99	
Irrigation Facilities	15H.H	3 solar bore well by OMBARDC& 1 individual. 1 farm pond from IWMP
Household involved 2 times commercial vegetable cultivation	15 H.H	100
Goat House hold	60 (Herd size 6- 8 nos)	Herd size 15-20 nos,
BYP	130 (Herd size 30 nos)	Herd size 50 nos,
V.O/ CLF	Dhurudiambo CLF	By OLM
PC	Udyogi Farmers Producer Company Limited	1700 share holder submitted 12lakhs share capital. 17.60lakhs supported by mission shakti.
PG	Kalyani PG	Getting IBCB support

		Rs.204000.00 By Mission Shakti
Drip& mulching farmer	11no with 5.84Ac	Supported by ITDA,Horticulture & Community contribution
Vegetable Creates	200 nos	Support by Mission Shakti &Horticulture..
Weighing machine	3 nos	Supported by Mission Shakti
Trellis technology	105 hh at Kalyani PG	934 at Block level
Vegetable support(MIDH)	25no on 2021-22	Plan- 80no on 2022-23
RKVY trellis	7 hh at Kalyani PG	76 supported by Horticulture
Power Sprayer	7no	Supported byITDA & Agriculture
Cold storage	1no (5mt)	Panchayat level (OMBARDC)
Agro service centre	1 no	Panchayat level (ITDA, Agriculture & Horticulture Department)
Khariff 21-22 Progress	113 HH in 44.58Ac	Bitter gourd- 105hh 35Ac
Total production & marketing.	628.16 quintal/Rs-2785194.00	
Average return	Rs.47000.00 from 25dec	Production marketing ongoing
1lakh above benefited farmer	18HH	Plan for 100HH

Through PG all the members are doing livelihood planning and when required they are doing different interventions in group also. They are able to come to outside world to sell their products, market is coming to their village, they capable are bargaining with market players, students are going outside the village for higher studies, in case of need health related issues can be addressed by bringing the patients to the hospital. People were living a dignified life by doing agriculture in their own field.

Now the village scenario has been changed and now a wage labourer village is being changed to a “Model village”. Now This PG members were create their won image by selecting the bitter guard as their winner crop and establishing the village level synchronised marketing system through promoting Agro Entrepreneur Model. As looking to the upland resource and rainy season all farmers were taking bitter gourd as their khariff crop by practising proper POP, trellis model & NPM measures. In Fy 21-22 total 113 HH were taking khariff crop on 35Ac and each house hold getting a average return of Rs.47000.00 from .25ac of land. Maximun farmer were getting Rs.100000.00 above from his .30ac land. In this Dhurudiambo Panchayat total three PG are existing and out of 400PG members 271 HH were involved in commercial vegetable cultivation with single winner crop and synchronise marketing concept of APC Project. Different official of Government and Private departments from District and state level were visited to this area to understand the APC model.

### **Income Enhancement Through Marigold Cultivation**

Bisra is a Block located in Sundargarh district in Odisha. Located in rural region of Odisha. There are more number of farmers are cultivating paddy & vegetables in the blocks. This year PG members started marigold cultivation in APC project operational area. Women are involved in marigold cultivation as well as taking decision and planning to work out. In different PG there are 44 numbers of members are cultivated marigold in 22 acre of area.



SHRISTI consolidated the PG like eekata, koel, ansika, khushi, dibyanshi, jyoti, maatarini, maa mongola, trishakti, nari shakti, saraswati, sonali, maa shakti, shakti, misti, sonjog, shanti producer group of bisra block in the year 2022 under cultivation marigold. The organisation facilitated the villagers to plan & helped for marigold cultivation in a synchronized way and did the livelihood plan.

### INTERVENTION:

- Planning meeting on marigold cultivation in all PGs.
- Collectively purchase quality seeds (Namdhari-Double orange) & seedlings from Kolkata.
- Collectively nurseries rising.
- Utilize use of the existing irrigation source available like borewell, drip, dugwell & rainwater to cultivate.
- SHRISTI teams supported to marigold disease & pest identification and management.
- Subsidy linkage in marigold cultivation under ATMA, FIAC demonstration program.
- Market study & market linkage at Rourkel market.

Provides support them marigold harvesting, sorting, grading & packaging.

### Good Income:

1 kg production will cost farmers Rs 70 (Minimum) to Rs 120 (Maximum) which changes through quality and brand. So they decided to be forehand that they cultivate marigold as commercial basic. Some high-quality marigold prices go to Rs 200 (Gendu Mala). Now they earn more than Rs. 10000-15000 per month from marigold cultivation.



### Success story of Balhi Soren

Dharitri PG was formed in 27<sup>th</sup> February 2019 with 101 women members of 10 SHG in Nuagan village of Bholagadia Grampanchyat of Khuntablock. Balhi Soren wife of Gurbha Soren is a member of this producer group. She became shareholder of Shimilipal Farmers Producer Company in 2021-22. The journey of Balhi Soren started in 2019-20 and following are incomes she has earned.



Year	Crop	Area(Acres)	Income(Rs.)
2019-20	Bitter gourd ,Brinjal and Ridge gourd	1.5	153989
2020-21	Bitter gourd ,Brinjal and watermelon	1.5	166895
2021-22	Bitter gourd ,Brinjal and cucumber	1.5	172780
2022-23	Bitter gourd ,Brinjal, , pumpkin and Banana	4	458680

BalhiSoren utilize her income in her child education and building construction and utilizes in asset creation i.e. moped TVS heavy duty for his father in-law and power tiller for agriculture work.

### Success Story of AshalataSorenDharitri PG, Nuagan

Dharitri PG was formed in 27<sup>th</sup> February 2019 with 101 women members of 10 SHG in Nuagan village of BholagadiaGrampanchyat of Khuntablock. AshalataSoren wife of MohanSoren is a member of this producer group. She became shareholder of Shimilipal Farmers Producer Company in 2021-22.

The journey of AshalataSoren started in 2019-20 and following are incomes she has earned.

Year	Crop	Area(Acres)	Income(Rs.)
2019-20	Bitter gourd ,Brinjal and Ridge gourd	1.5	147700
2020-21	Bitter gourd ,Brinjal , Ridge gourd and BYP	1.5	168315
2021-22	Bitter gourd ,Brinjal , Ridge gourd and BYP	1.5	171869
2022-23	Bitter gourd ,Brinjal , Ridge gourd and BYP	1.5	188754

AshalataSorenutilizes her income in her child education and utilizes in asset creation i.e. Scooter for family use and 4 HP diesels pump for agriculture work.



### Success story of Bramhanidevi P.G on Watermelon cultivation

Bramhanidevi Producer Group was formed in August 2020 in Urbengi village of BalimukaGarmpanchyat under Kankadahad Block . Total members of the PG are 150 . 80 members are involved in Vegetable cultivation in Kharif and Rabi.



This year 14 numbers of Women farmers started water melon cultivation in 20 acre of land. They used the perennial source water and used the Farm machinery in Watermelon field. They followed the Proper POP oriented by the NGO SHRISTI Staff. P.C engaged in end to end practices of watermelon cultivation, in the result each Farmer has sold 90 to 100 quintal of watermelon to P.C and earned Rs 50000 to 70000 in this season. This replicate among the members and 30 numbers new 3 farmers have decided to involve in Watermelon cultivation in coming summer season 2023-24. The Farmers are happy after getting the Return from Watermelon cultivation and the Involvement of Producer Company.

### Fish rearing with small & marginal stake holders

#### Introduction:

Rohi is a tribal dominated revenue village Bhanarpur panchayat of Harichandanpur block, Keonjhar district. This village is situated on a foot hill, surrounded by forest and perennial streams. The village geographical area is 615 hector out of this 250ha is comes under forest area . Out of the land category 60% is upland, 17% and 23% are medium and low land respectively. It has 5 hamlet in cludes of 110 house hold includes Juanga,dhury&munda caste people. Out of 110 h.h 110 h.h were BPL holder, 3 Were woman headed families and 14were landless.



#### Situation before :

Before the Intervention of Shristi in this village many people involved in daily wages and migrated to near by Panchayat and had a 5-4no of herd size for their livelihood, where they were exploited by low amount wages. According to increasing of time his family size and need also increase So the labor work is not sufficient at that time.

#### Intervention

During 2014-2018 Shristi has constructed 15no of farmpond under the Watershed project with the support of NABARD and initiate the fish farming and after the completion of our Project and for its sustainable approach we linked the peoples with ITDA department under our APC Project. In last Financial year 2020-21 we supported fingerlings & fodder to our Watershed promoted farmers with the convergence with Jibika mission scheme of ITDA, Keonjhar. The hand holding trainings and quality inputs are available by department with the supervision of Fishery departments. In last year our farmers were taking profit of average Rs. 6000.00 from their 1600sqf water bodies, which is adding a additional income to our marginal & small holders household level was our objective of post Watershed management.





“SombariDehury is a fish rearer is getting Rs 8000.00 from his 1600sft (40fX40f)”

Similarly this year all farmers were centrally receiving fingerlings and feeds from ITDA, Keonjhar. Due to the Covid pandemic situation Shristi is providing trainings in virtual way and arrange the vendor for commonly input purchasing.

**“ RaniJuanga” becomes a inspire among the PVTG members.**

**Introduction** - Budhakhaman Is one of the tribal dominated Panchayat of Harichandanpur Block, Keonjhar . its maximum hamlets are unreached and upland dominated .The panchayat is covered with natural resources like forest , perinerial streams. The population are belongs to “juang” Primitive tribe Group which are mainly depended on forest and wage labour. Rani Juangaiaa active SHG members of Budhakhamanvillage .She has 2 son and 2 daughters and her income source was daily labour at near panchayat and district headquarter.



**Activity details** – During our APC project we are initiating the khariff commercial vegetable cultivation with waste land by creating Producer group science from 2018. From last two year ITDA, Keonjhar has been providing support under Mission Jibika Project.

**Project intervention-** On 2021-22 total 11SHG member including her are cultivated bitter gourd cultivation in a collective approach also sold their produces from village level. This FY 2022-23 She is cultivating bitter gourd on 25desimile independently by taking ITDA support.

<b>Cost Benefit analysis of Bitter guard -25dec</b>					
SI No	Items	Unit	Unit cost	amount	Remarks
1	Seed cost	500	2.5	1250	ITDA
2	Compost	1/2trip	1800	900	
3	GI Wire & thread	Ls		1000	
4	Local wooden pillar			2000	Own
5	Fertiliser	Ls	2000	2000	ITDA
6	Pesticide	Ls	1000	1000	ITDA
<b>Total</b>				<b>8150</b>	
Field Preparation	Labor			500	Own
Intercultur	Labor	20		4000	Own
Harvesting	Labor	10		2000	Own
<b>Total</b>				<b>6500</b>	
<b>Grand total</b>				<b>14650</b>	
	Yield from 25dis	Qtl	15		
	Return from 25dis	<a href="#">Rs@qtl</a>	3000	<b>45000</b>	/-
	Net profit			<b>30350</b>	/-
<b>Profit without</b>				<b>38850</b>	/-

## Adoption NPM within PG at Kankadahad ,Dhenkanal

As all know Kankadahad is the backward and tribal dominated area of Odisha situated at Dhenkanal District. From 2018 Shristi has been implementing Agriculture Production cluster Project, after 4year engage with community now its became a model for all in field of vibrant Producer Group, producer company, winner crop finalisation, collective marketing and NPM adoption. Shristi team intensively engage with community in their regular meetings,



Trainings, field demonstration also provide expouser to other sucessfull area, Now there are two no of pg one Swavagyabati PG of childa village of Kantul GP and another one Sakti maa Jyoti PG of Sahala Village of Batagain GP known as NPM PG. Most of the farmers are from Dehury and Mahanta category. Today 130 family out of 265family of both Producer Group are doing their Agriculture with Npm manner Handikhat,Mohulastra,Agynyastra, jibamutra, bijamruta,West decomposer, low-cost compost pit bio fertilizer are the best practise taken by the farmer now there is a NPM shop at main road of Kankadahad to Kamakhya road in which farmer are selling their products. This PG are inspiration to other PG.More 600farmers from Other PG are also adopting the NPM practises.

## Mushroom cultivation is a second livelihood option

Pallahara block is located in Angul district in odisha. Located in rural region of odisha. There are more numbers of farmers are cultivating Paddy straw mushroom and oyster mushroom in our project operational area through PG level. Women are involved in mushroom cultivation as well as taking decision and planning to work out. There are 40 numbers of farmers involved in different PG under mushroom cultivation.

Our SHRISTI team consolidated the PG like Sanskar producer group in Jhimiripali, Swayansidha producer group in khemala village and Maa Manasa producer group in Naikanpali village in the year 2023 under cultivation paddy straw&Oyester mushroom. The organisation facilitated the process of PG formation helped the villagers to plan for mushroom cultivation in a synchronized way and did the livelihood plan.



Farmers in this region grow the mushroom organically, without the use of any chemical. Hence the mushroom is in high demand.

The farmers sold the mushrooms locally Pallahara town markets. Traders from other cities come to their farms to buy the harvest.

mushroom cultivation is showering well returns the farmers. They can grow mushrooms throughout the year and enhance their income as well. Hence, it can be said that mushroom cultivation is highly profitable and suitable for farmers basically for women with small landholdings.

### Success Story of Ekta Producer Group, Bisra, Sundargarh

This is the success story of Nirmala Xalxoin our Ekta Producer Group and a member of Ekta SHG, Village-Jodabandh, Block-Bisra located in the Sundargarh district of Odisha.



**SHRISTI** supported the PG member Nirmala Xalxo and other producer group members for document collection and site selection for a temporary mushroom unit structure which is mobilized under the horticulture department through MIDH. Under the state plan of mushroom cultivation (2022-23), Women SHG Received a subsidy of Rs.15000.

The farmers can grow mushrooms throughout the year and enhance their income as well. Hence, it can be said that mushroom cultivation is highly profitable and suitable for farmers basically for women with small land holdings.

Inspired by **Nirmala xalxo** many of the SHG and PG members are starting their own source of income through mushroom cultivation.

### Odisha millet Mission

This Special program for promotion of Millet in Tribal area of Keonjhar, Odisha is ongoing with the support of District Mineral foundation, Agriculture department & WASSAN.

#### The objectives of this Project will be as follows:

- Increasing house hold consumption of millets by about 25% to enhance household nutrition security and to create demand for millet.
- Promoting Millet Processing enterprises at panchayat and Block level to ease processing at households and for value added markets.
- Improving productivity of Millet crop systems and make them profitable.
- Developing Millets Enterprises and establishing market linkage to rural/urban markets with focus on women entrepreneurs.

This is projected at 56 villages of Champua Block. This is the third year of our implementation in this period we are addressing the following progress.

- 795 no of Farmer raised millets in 388.48 hectare of land. 670 Qtl of millets were produced.
- Around 65 Community nurseries were developed.



- Trainings organized by team for creating of awareness & motivation.
- Arranged awareness Ratha for mobile awareness
- Street play on millet was arranged

PresentStatusoftheProject:

FinancialYear	Area(Hectare)	NoofHH	No of villagescovered
2019-2020	10.8	53	6
2020-2021	126.68	320	28
2021-2022	251	422	22
2022-2023	359	731	56

### Mandia Change Madhuri's Life

Madhuri Naik aged about 33 years of Raruangoda,Rangamatia,Champua was very poor scheduled tribe women that her husband is a poor farmer that's why their family suffer many problems to face poverty . Madhuri has been cultivating their 1 acre of land with various types of seasonal agri. cultivation but their earning doesn't impact on their poverty as whole.



#### Intervention :-

In village meeting Madhuri had come to and listen all of our helpful substance to cultivating millets. Since last two year Madhuri and their women community started cultivating ragi. With an MSP Rs

3377per Qtls, this has helped her earn a decant livelihood and escape from poverty. She shared that while millet cultivation has been present to eliminating the poor farmer specially

women community to be strong their earning and be face many problems arosed from money. She has take a leadership in her village to force tribe women cultivating ragi . With new method of cultivation the yield may higher as per her thought.

She also shared that the millets mission CRP is very helpful and taught her new method of cultivation like SMI,LT methods and preparation of Bio-inputs.

#### Impact :-

In the first year Madhuri's ragi yield was 4 Qtls/Acre and next year it was 6 qtls/Acre . She has cultivating one acre of land this year and plans to gradually shift rest of land from paddy to ragi cultivation. She thanks to Odisha Millets Mission and their valuable efforts to rural farmers.

### Tassar rearing

From last four year “The Promotion of Large Scale Tasar Sericulture based Livelihoods” in Odisha under Mahila Kisan SashaktikaranPariyojana (MKSP-NTFP) Project is successfully implemented by SHRISTI with the Joint support of Central Silk Board & PRADAN. After its completion now tasar emerged as a secondary livelihoods source of tribal’s . So looking to the priority of tree based livelihood & its potential we continued our technical support with out any support hand with community approach. planned with Tasarvikash Samiti (TVS) for basic seed rearing(BSR) with 25 house hold and taking the DFL from Deoghar with credit and the cost will be paid by farmers through TVS . During last year in 6village we were able to facilitate the 2nos of TVS for successful operating of 2no community grainage and producing 16450 no of DFL. The TVS were providing the 16450 DFL to 100no Commercial rearer (CR) The percentage of hatching is found 90% above in field.







# Technology & Innovation

Shristi another objective to interduce low cost technology and intervention which were easy to acess, required less skill to manage , helps in drogery reduction to our women farmers. Our practises are helps in reduce the investment cost and increase the production as well as additional income. The major practises are as

- 🎬 Drip and mulch
- 🎬 Only mulching
- 🎬 Solar irrigation
- 🎬 Soilless nursery
- 🎬 Grafted vegetable seedlings.
- 🎬 Single line trellis
- 🎬 Agro service center
- 🎬 Solar cold storage
- 🎬 Kheyti model
- 🎬 Collective marketing.
- 🎬 Agroentepreniour development



SHRISTI professionals always trying to demonstrate , implement and saturate different low cost farm technology in community approach with convergence with different Government departments, which practice make the farmers in doubling their income. Majorly we focused on following interventions.

- Drip & mulching helps farmer to earn more, reduce labour cost & possible to take 3crops around the year with one time field preparation. It helps in getting three time more income from traditional practises. Till date our 190farmers were ongoing cultivation on140Ac of dripfield.
- We generally taking Only mulching practice in our fruit plantation field and khariff vegetable cultivation to avoid the weed problems. 610 hh were practising the technology.
- We introduce common solar irrigation system for maximum coverage with limited structure by developing water user group with mutual agreement system. Till we facilitated 632 household and 886 ac (plantation +vegetable field) of farm area..
- During from last 5years we prompted 7no of Soilless nursery both Hitech and Bambo models with Agroentrepreneur model, which helps in develop the farmers to commercial vegetable growers.Now 1500 farmers were taking the benefits of quality seedlings from Nursery
- Intervention of trellis helps the farmer for quality produce. Easy for maintaining the POP & for long running of crop. 1765 household are taking its advantages from last two years. Itsa ongoing practice.
- 4 Agro service Centre were managed by Producer group, having the machinery like tractor operated thresher, rotavetor, power tiller, weeder & sprayer, which caters 550 farmers .
- 28no of Millet processing unit are established with support of Agriculture department .
- Our Producer Groups are managing 5no of cold storage which supported in case of summer crop Tomato and one two days storing of product in case of excess production.
- Kheti model is a technique for small holder farmer by which one can taking cash crop in a protective approach to getting more return from 10decmile of land.
- Cumulative marketing save farmers time & give hassle free income. Now synchronized market available at doorstep with the support of Producer Company.
- Now 29AE were selected & 14 are continuing their services. (9in goat,2in marketing,3in nursery)

During the year we are installed drip irrigation, solar pumps, kheti model, grafted tomato & solar fencing with the support of Horticulture , ITDA, OMBARDC & DMF support

20 acre coverage in drip irrigation with 59 farmers

26no solar system installed and its covers 140 Ac plantation crop & 15Ac vegetable field.

2no Kheyti model & 5acer solar fencing demonstrated.

1765 farmers were practising single line trellis system

## Grafted Tomato and Brinjal-

During this year, from the support of Agriculture production Cluster project we demonstrated the grafted tomato on 1 acre of land in Kanchanpur village of Champua block, resulting in a total yield of 35,000 kg and a total income of 3.5 lakh, which helped the farmer get more profit in comparison to non-grafted tomato cultivation. Due to the high production and life period of a tomato plant(7 months above), they got three times the actual expenditure.



## Kheyti Model – Net house

With support from DMF Keonjhar 2 No. of Net-house have been constructed in our Kanchan pur village, in which we are cultivating off-season vegetables with advance techniques.

One type of protected cultivation helps prevent the entry of unwanted pests, insects which leads to a healthy crop and better yield.



In summer MrsMinhati Munda one of our pg members has cultivated Cowpea intercrop coriander, and Mrs Rukmani Munda has cultivated Beans intercrop Coriander in 2nd structure.From 6decmile of are farmers able to got Rs.19000.00 averageincome.In upcoming season, we are planning for grafted capsicum and cauliflower with land

## Soil less Nursery

Between 2015-2016 we are installed two no of soil less nursery for available of healthy & timely seedlings, itinitially caters 500farmers which help to farmers in ensuring the in time khariff vegetable cultivation as well as two time cultivation. After looking to its success now more 5no soil nursery were added and now 7no has been operating by agro entrepreneur and is cover 1400no of vegetable farmers .This year we planned more 2no with horticulture Department.



## Agroservice center managed by Producer Group

“Introduction of farm mechanization or new technology makes simple the agriculture task & gets more return with less investment.”



Harichandanpur Block is a tribal and upland dominated Block of Keonjhar district is situated 45km distance from head quarter. During 2019-20 Shristi has been formed 14 no of Producer Group under Agriculture Production Cluster Project of State Government with a objective i.e doubling the farmers income through engage the HH/farmers in multi livelihood activity. The block is covered with natural resources. The main livelihood of farmers are agriculture, livestock rearing & NTFP collection but due to lack of improved practices , knowledge & non availability of farm mechanization assets at village level farmers were unable to manage their time which causes less return due to adoption of small size farming & minimum frequency of cropping.

During the year 2020-21, looking to the field priority and interest of PG members ITDA, Keonjhar supported two Agro service centre one is Shreelaxmi PG of Dhurudiambo GP & another Matrusakti PG of Sunapenth GP in a Convergence model with Agriculture Department. For each unit the total projected cost was Rs.810978.00 , ITDA provide the farmer cost Rs.454732.00 & Subsidy from Agriculture department is Rs.356246.00.

After getting the support PG was procurement the project designed machinery like Thresher, rotavator, power tiller, power weeder & reaper etc by proper quotation process under the guidance of ITDA & Shristi the total purchase process is conducted by procurement committee of PG. Now PG is managing the utilisation system of Implements with required documents at field level for ensure the transparency. Last year in late rabi, PG were received the assets able to earning Rs.63600.00 (net income after deduction of operational cost) by utilising the machinery.

Business Details	
PG Name	Income
Shreelaxmi PG	Rs.26600.00
Matrusakti PG	Rs.12000.00
Radhakrushna PG	Rs.15000.00
Jiban joti PG	Rs. 10000.00
<b>Total</b>	<b>Rs.63600.00</b>



We have a hope from this year PG will provide the service to maximum household, which helps our women farmers to manage their agricultural activity in time .due to this support maximum HH were able to increase their field size & adoption of new technology in time with less labour engagement.

### Collective marketing

Under our APC Project of Keonjhar,Mayurbhanj & Dhenkanal we are establish our winner crop and synchronised marketing model. During 2022-2023 with the support of Producer company we are able to make collective marketing of 6200quintal including Vegetable, mango, cashew, jack fruit ,goat&Byp at farmers gate. Now farmers were continuing the hassle free transaction with Producer Company.



### Single line trellis

In Shristi operated area maximum farmers were taking Bitter gourd & reach gourd as their winner crop So 1765 farmers adopting the trellis model for long run of crop live period, more yield and more return. This intervention helps in avoiding the disease due to proper expose of sunlight and air circulation.



### Cold storage

During the FY 19-20 with the joint intervention of SHRISTI & Horticulture Department with the financial support of OMBARDC, we installed 5no of solar operated cold storage (5mt) in our APC operated area are Dhurudiambo, Nipania, Madhyapur, Golabandha&Nalapanga of Harichandanpur with a objective to make value add of farmer surplus producers & create a synchronized marketing system at village level. Each cold storage catered 150farmers from one or two nearby villages which was comes to operate from February 2021.



# Governance and Management





Sl.No.	Name	Age	Occupation	Qualification	
				Education	Experience (yrs)
01	Mr.A.K. Pati	69	Ex-Director, Loksiksha Parishad, Ramakrishna Mission Ashram, Kolkata	Master in Social Work (MSW), Santiniketan, W.B.	48 Yrs in Eastern Indian States
02	Dr.Viswa Ballabh	60	Professor, XLRI, Jamshedpur	M.Sc.(Ag), Pantnagar, PhD. IARI, New Delhi	31 years in Gujarat (IRMA) & Jharkhand (XLRI)
03	Mr.Vinod Jain	58	CEO, Trust Consulting	B.Tech. (Agril.Engg), IIT Kharagpur.	30 Years in U.P. & other Indian States
04	Mr.Madhusudan Kundu	68	Ex-Principal Rama Krishna Mission, Narendrapur, Kolkata.	M.Sc.Ag. (Agronomy), BCKV, WB.	40 yrs. in Eastern Indian state
05	Mr.Bismya. Mohapatra	47	Development Professional	M.B.A., XIMB.	23 years in Odisha and Jharkhand
06	Ms.Vimla Chandrasekhar	53	Social Worker	M.A., UTKAL	26 years in Odisha and Tamilnadu.
07	Mr.Sudhakar Ghosh	51	Director, JansikshanSansthan, KALYAN, Purulia, West Bengal	Master in Social Work (MSW), Santiniketan, W.B.	28 years in West Bengal
08	Dr.V.P.Singh	60	Director, ICRAF, New Delhi	M.Sc. (Ag), PhD	30 years in India and abroad.
09	Dr.Alok Sikka	62	Ex-Scientist, ICAR, New Delhi.	M.Sc. (Ag), PhD	32 years in India and abroad.
10	Mr.Subodh Gupta	53	CEO, Saral Solutions	B.Tech. IIT, Kharagpur	27 years in Bihar, Jharkhand and Andhra Pradesh
11	Dr.AK.Pattanaik	60	Professor, Horticulture, O.U.A.T.	M.Sc. (Ag), PhD	30 years in Odisha
12	Dr.P.C.Lenka	60	Head of Dept. of Horticulture, O.U.A.T.	M.Sc. (Ag), PhD	30 years in Odisha
13	Dr.Ram Prasad	63	Ex. Director, IIFM, Bhopal	M.Sc. (Ag), Phd	35 years in Indian states
14	Bubu Saha	61	Ex Country director, Concern Worldwide		35 years in Indian and abroad



# Events and Media coverages of this year



Mr.ArabindaPadhi(Principal Secretary), Mr.Narotam Behera (Adl.Secretary) Mr. Asish Thakre(Dst .collector) & Other Line Dept visited to Harichandanpur, Keonjhar



Dhenkanal Dst.Collector visited kankadahad field

Nodal officer &DDH,CDAO,PD WS visited WADI field , Gidhibas,Jhumpura, Keonjhar



BRLF team visited to Khunta, Mayurbhanj field

Millet food festival Stall visit by P.D.DRDA, KeonjharMr.Bishnu Prasad Acharya.



Women's day celebration, Harichandanpur, Keonjhar

Grant Thompson team along with ADH &Pradan team visited Harichandannur Keonihar









Arabinda K Padhee  
@arvindpadhee

Follow

Along with the District Collector, Keonjhar, visited an APC cluster, a solar-powered pump and a cold chamber at Dhurudiambo, Harichandanpur. Interacted with Producer Groups. Enthusiasm of enterprising women members is indeed heartening. Thank the NGOs facilitating the initiative.



ଭୂଷି ବିଭାଗ, ଓଡ଼ିଶା

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ଋତେନ୍ଦ୍ରସେନ ପିଲ୍ଲାଇ ଓଡ଼ିଶାରେ ଫିଲ୍ଡ ଭିଜିଟ ପ୍ରତିଷ୍ଠାନ ସଭାସଭାରେ ଚଳୁଥିବା ଭୁବନେଶ୍ୱର ଶ୍ରାମିକ ସଂଘର ସଭା ସଭାରେ ଏକ ଉପସଭାରେ ଯୋଗ୍ୟ ଭାବେ ଭବିଷ୍ୟତ ଦ୍ୱାରା ଉପସଭାରେ ଯୋଗ୍ୟ ହେବେ ।

ଫିଲ୍ଡରେ ଭିଜିଟ ୨୦୨୨-୨୩(2022-23)ରେ ୪୦୦୦(4900) ଟାଙ୍କା ପାଖାପାଖି ୨୫୦୦(2500) ଲେବୁର ଚଳିବେ ଯାହାକି ୦.୫୫ ଚଳିବେ ।

#transforminglivesinminingareas #DMFKeonjhar #millets

CMO Odisha Department of Agriculture & Farmers' Empowerment Information & Public Relations Department, Government of Odisha Odisha Millets Mission

See translation



Angul District Mineral...  
@dmfangul

Follow

#Watermelon sold out from Pallahara #APC, cultivated area of 535 acres, adding to income of 201 #farmers and their families, #life transformed, supported by @APCangul under #livelihoods head of DMFT Angul.

#Agripreneur #APCangul #OrganicFarming #MarketLinkage



ଋତେନ୍ଦ୍ରସେନ ପିଲ୍ଲାଇ ଓଡ଼ିଶାରେ ଫିଲ୍ଡ ଭିଜିଟ ପ୍ରତିଷ୍ଠାନ ସଭାସଭାରେ ଭୂଷି ବିଭାଗର ପ୍ରକଳ୍ପ ଅନୁମୋଦିତ ଚଳୁଥିବା ଭୁବନେଶ୍ୱର ଶ୍ରାମିକ ସଂଘର ସଭା ସଭାରେ ଏକ (୧) ଉପସଭାରେ ଭିଜିଟ୍ ଜ୍ଞାନ କୋଶର ସଭାସଭାରେ ଭିଜିଟ୍ ଜ୍ଞାନ କୋଶର ଭାବେ ଭବିଷ୍ୟତ ଦ୍ୱାରା ଉପସଭାରେ ଯୋଗ୍ୟ ହେବେ ।

ଫିଲ୍ଡର ସାହାଯ୍ୟ ଆୟ ନିମ୍ନଲିଖିତ ଭାବରେ ଫିଲ୍ଡରେ ଭିଜିଟ ୨୦୨୨-୨୩(2022-23)ରେ ଭୂଷି ବିଭାଗର ପ୍ରକଳ୍ପରେ ୫୦୦୦(5000) ଉପସଭାରେ ଭିଜିଟ୍ ଜ୍ଞାନ କୋଶର ଭାବେ ଭବିଷ୍ୟତ ଦ୍ୱାରା ଉପସଭାରେ ଯୋଗ୍ୟ ହେବେ ।

#transforminglivesinminingareas #DMFKeonjhar #DoublingFarmersIncome

CMO Odisha Department of Agriculture & Farmers' Empowerment Information & Public Relations Department, Government of Odisha Mission Shakti Odisha

See translation





**SHRISTI**  
**B-205, KRISHNA TOWER, NAVAPALLE,**  
**BHUBANESWAR -751012**  
**BALANCE SHEET AS ON 31/03/2023**

LIABILITIES	(Amount in Rs.)		ASSETS	(Amount in Rs.)
<b>Corpus Fund:</b>	5,000	3,000	<b>Fixed Assets :</b>	
<b>General Fund :</b>			Computer	35
Opening Balance	187,375		Add: Additions	0
Less: Excess of Expenditure over income	326,536		Less : Depreciation	35
<b>Funds Received in Advance:</b>		-139,161	Furniture & Fixtures	25,918
NABARD Watershed	284,567		Add: Additions	0
DMF-Agriculture Production Cluster Project Changva	373,851		Less : Depreciation	2,594
SHRISTI Millet Mission Implementation of Integrated Tribal Development Programme in Harichandapur block of Keonjhar district, Odisha - WADI	1,537,162		Vehicle	11,830
DMF-Agriculture Production Cluster Project Anagol	921,850		Add: Addition	0
DMF-Agriculture Production Cluster Project Biras	206,455.68		Less : Depreciation	1,183
Staff Support to APC Project-BRLJ	166,967.00		<b>Current Assets, Loans &amp; Advances :</b>	
<b>Current Liabilities :</b>			Loans & Advance	285,850
As per Schedule-I	7,044,185		Cash in Hand	1
			Cash at Bank	7,731,324
		14,112,966	Grant in aid receivable	5,927,619
<b>TOTAL</b>		<b>13,978,805</b>	<b>TOTAL</b>	<b>13,978,814</b>

Place : Bhubaneswar  
 Date : 01.09.23  
 UDIN- 23210524BGYOC06119

For SHRISTI  
 For SHRISTI  
  
 Executive Director

For Paly Sar & Associates  
 Chartered Accountants  
 FRN: 325487E  
  
 CA N.P. Sar ( FCA )  
 Partner

**SHRISTI**  
**B-205, KRISHNA TOWER, NAYAPALLI,**  
**BHUBANESWAR - 751 012**

INCOME & EXPENDITURE ACCOUNT AS ON 31/03/2023					
EXPENDITURE		(Amount in Rs.)		INCOME	
				(Amount in Rs.)	
To	Programme Execution Expenses:		By	Grant in Aid:	
	<b>NON-FC Account :-</b>				
	NABARD- Watershed Grant	356,800		NABARD- Watershed Grant	356,800
	Implementation of Integrated Tribal Development Programme in Harichandanpur block of Keonjhar district, Odisha – WADI	75,000		Implementation of Integrated Tribal Development Programme in Harichandanpur block of Keonjhar district, Odisha – WADI	26,862
	Staff Support to APC Project-BRLF	1,422,453		Staff Support to APC Project	1,416,010
	DMF-WADI- , SHRISTI	4,584,100		DMF-WADI- , SHRISTI	4,716,872
	General Expenditure	498,078			
	DMF-Tasar	12,967,223		DMF-Tasar	12,994,719
	DMF-Agriculture Production Cluster Project Bisma	1,626,607		DMF-Agriculture Production Cluster Project Bisma	1,614,191
	SHRISTI Millet Mission	1,641,382		SHRISTI Millet Mission	1,627,614
	DMF-Agriculture Production Cluster Project Champua	1,708,948		DMF-Agriculture Production Cluster Project Champua	1,701,685
	DMF-Agriculture Production Cluster Project Palahara	1,762,542		DMF-Agriculture Production Cluster Project Palahara	1,749,092
	UN-Women Pradan	90,187		UN-Women Pradan	90,039
	<b>Total</b>		<b>26,733,321</b>	By Interest	124,727
				Excess of Expenditure Over Income	326,536
To	<b>Depreciation:</b>				
	Computer	35			
	Furniture & Fixture	2,594			
	Vehicle	1,183	3,812		
	Bank charges		8,014		
	<b>TOTAL</b>		<b>26,745,147</b>	<b>TOTAL</b>	<b>26,745,147</b>
	Place : Bhubaneswar	For SHRISTI		For Paty Sar & Associates	
	Date : 04-07-2022	SHRISTI		Chartered Accountants	
	UDIN- 23210526BGYOG6119	<i>[Signature]</i>		FRN: 325487E	
		Executive Director		CA N.P. Sarma (CA)	
		Executive Director		Partner	

