

# ANNUAL REPORT 2023-2024



Year: 2023-24



**Udyansh Gramin Samaj Sewa Samiti**  
Gopi Complex, Gopi Vihar Colony, Barwani Road  
Thikri, Distt. – Barwani (M.P.) INDIA  
Website: [www.udyansh.org.in](http://www.udyansh.org.in)

## Table of Contents

Preface .....	2
Our Mission:.....	3
Our Approach: .....	3
Our strength:.....	3
BACKGROUND:.....	3
operational Area: .....	4
Staff Position:.....	5
Available Resources/Content in Institution .....	5
Organizational Structure .....	6
Core programmes of the organization:- .....	6
Projects implemented during the year.....	7
1. Access to justice phase-2:.....	7
3. Farmers producer organisations: .....	14
4. Integrated watershed development programme:.....	19
5. Regenerative agriculture.....	21
Financial statement .....	43

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## PREFACE

Udyansh remains steadfast in its commitment to sustainable rural development, employing diverse approaches and strategies to catalyze positive change. Through the integration of various projects and a holistic development ethos, Udyansh endeavors to address multifaceted challenges with creativity and innovation.

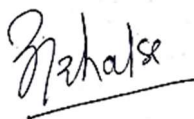
In the fiscal year 2023-24, Udyansh directed its efforts towards the comprehensive advancement of rural families, focusing on agriculture interventions, health and education awareness, and environmental stewardship. With a keen emphasis on promoting Farmer's Producer Organizations (FPOs), Udyansh collaborated with over 15,000 farmers, fostering sustainable agricultural practices and nurturing a culture of resilience within rural communities.

As we reflect on the progress achieved during this period, I am deeply grateful for the unwavering dedication of our staff, advisors, resource persons, and management team. Their tireless efforts, working tirelessly day and night, have been instrumental in the success of our programs and the well-being of the rural populace we serve.

I extend heartfelt gratitude to our partners in governance and development, particularly the Government departments and agencies, including NABARD, Kailash Satyarthi Children's Foundation (KSCF), and Regenagri, for their invaluable guidance, support, and encouragement. It is through our collaborative endeavors that we have been able to navigate challenges and achieve meaningful impact.

Furthermore, I commend the commitment and trust exhibited by our participating farmers, whose enthusiastic response, active engagement in programs, and adoption of sustainable agricultural practices have been pivotal in shaping a more sustainable future for themselves and their communities. Their resilience and dedication inspire us to continue our efforts towards building resilient and prosperous rural landscapes.

As we move forward, guided by our shared vision of inclusive and sustainable development, I am confident that together, we can overcome challenges and unlock new opportunities for growth, prosperity, and well-being in rural India.



Mr. Anil Bhalse  
(President)

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## OUR MISSION:

“To uplift the socio-economic status of rural poor families through capacity building, livelihood enhancement, Natural resource management, Value chain up-gradation and women in development with gender equity.”

### Our Approach:

- Pro-poor : to cater poor families in real sense
- Participatory : to bring their ownership in projects
- Need based : to address their needs
- Replicable : to outreach more number of families
- Sustainable : to benefit in long run.

### Our strength:

- ✓ Visionary top Management
- ✓ Qualified & Experienced Professionals
- ✓ Dedicated Field Staff
- ✓ Attachment with Tribal Community
- ✓ Community mobilization skills
- ✓ Innovative & Creative concepts of development with logical applications

## BACKGROUND:

UDYANSH, established in the year 2000, embarked on a noble mission to uplift the marginalized tribal communities nestled in the remote corners of Madhya Pradesh. With a steadfast commitment to empower women, promote education, and foster holistic development, UDYANSH has been a beacon of hope for the tribal families of this region.

In its formative years, UDYANSH initiated its transformative journey in the Khandwa block of Khandwa District through the Swa-Shakti Project, generously supported by the Department of Mahila Evam Bal Vikas, Government of Madhya Pradesh. The organization then expanded its reach to the Thikri block of Barwani District, where it encountered a population predominantly comprising tribal communities. Here, UDYANSH embarked on an array of awareness programs focusing on healthcare for children, women, and adults, imparting the significance of education, and promoting the concept of Self-Help Groups (SHGs). Through a blend of trainings, camps, meetings, and individual interactions, UDYANSH laid the groundwork for positive change and sustainable development in these communities.

Over the years, UDYANSH has grown from strength to strength, delving deeper into its mission to uplift the socially excluded rural populace. With a portfolio of diverse projects aimed at enhancing livelihoods and empowering local communities, UDYANSH has become a trusted ally for those seeking support and opportunities for sustainable employment.

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A shining example of UDYANSH's impactful interventions is the Madhya Pradesh Rural Livelihood Project, where the organization adopted a holistic approach towards rural development. By bolstering livelihood opportunities, empowering local governance institutions, and harnessing local resources efficiently, UDYANSH successfully curbed migration and uplifted marginalized sections of society. Notably, through this project, UDYANSH touched the lives of over 1550 families, elevating their monthly incomes through a myriad of income-generating activities spanning agriculture, animal husbandry, and various other sectors.

UDYANSH's expertise in livelihood enhancement, particularly among women from socially excluded communities, is exemplary. With a keen understanding of the rural landscape and a proven track record in promoting sustainable livelihoods, UDYANSH has pioneered initiatives that resonate with the unique challenges and aspirations of rural India.

Despite facing challenges such as seasonal migration, limited access to education, communication barriers, and technological disparities, UDYANSH remains undeterred in its mission. Through perseverance and innovation, the organization continues to navigate these obstacles, striving to create a brighter and more equitable future for the communities it serves.

In addition to its flagship projects, UDYANSH has also made significant contributions through initiatives like the National Rural Employment Guarantee Scheme (NREGA), the Backward Region Grant Fund (BRGF), and the National Child Labour Project. These endeavors reflect UDYANSH's unwavering commitment to social inclusion, education, and economic empowerment, ensuring that no one is left behind in the journey towards progress and prosperity.



#### PERATIONAL AREA:

Udyansh is specifically working in tribal dominant areas. Following MAP show the operational area of organization in the state of Madhya Pradesh:

**BARWANI, DHAR,  
JHABUA, ALIRAJPUR,  
KHANDWA &  
BURHANPUR in M.P.**

## STAFF POSITION:

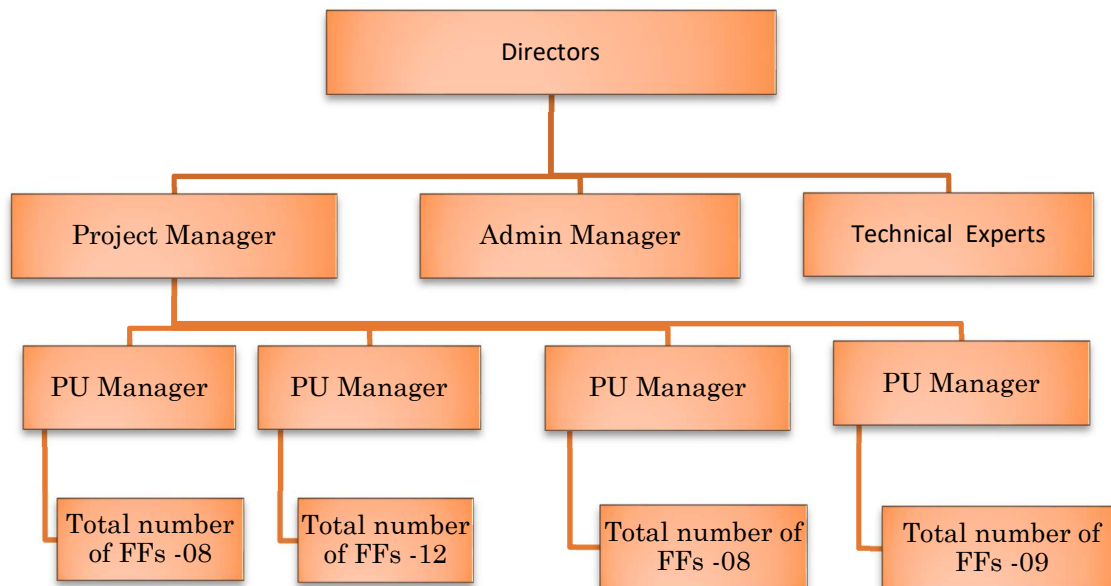
- Management staff: 6
- Advisor: 2
- Development Professionals: 10
- Project Manager: 5
- Field Facilitators: 28

## AVAILABLE RESOURCES/CONTENT IN INSTITUTION

Udayansh Gramin Samaj Sewa Samiti is managing its work from its own Head office office at Thikri and as well as Branch offices respectively at Kukshi & Lohari. The offices are well equipped with Furniture's Computers and Vehicles.

S.No.	Equipment/Resources	Quantity
1.	Office Building	4
2.	Computer	5
3.	Printer	4
4.	Laptop	3
5.	Video Camera	1
6.	Digital Camera	1
7.	Scanner	1
8.	Fax	1
9.	Telephone	2
10.	Almirah	6
11.	Revolving Chairs	3
12.	Chairs	25
13.	Tables	10
14.	Spiral machine	1
15.	Fan	10
16.	Cooler	1
17.	Training material	Project specific

## ORGANIZATIONAL STRUCTURE



### CORE PROGRAMMES OF THE ORGANIZATION:-

FF= Field Facilitator

- Sustainable agriculture & watershed Development
- Training & Capacity building
- Livelihood development
- Women development

### MAJOR PROJECTS IMPLEMENTED WITH GOVT

- ✦ NREGS Watershed sponsored by Department of Panchayat & Rural Development- Total 6 Village Benefited (period 2007-2011)
- ✦ Five Yrs Planning of Backward Region Grant Fund (BRGF) sponsored by Department of Panchayat & Rural Development- Barwani 413GP, Jhabua 666 GP (period 2007-08)
- ✦ Panchayat Training, SHG Income Generation activities sponsored by Department of Panchayat & Rural Development- Total 350 Family Benefited (period 2008-09)
- ✦ National Child Labour Project sponsored by Department of Labour welfare- Thikri Block 57 Villages Covered (period 2007-11)

## PROJECTS IMPLEMENTED DURING THE YEAR

Udyansh has implemented following major projects:-

1. Access to justice phase-2 (prevention and elimination of Child trafficking, child sexual abuse and ensuring access to justice and rehabilitation)
2. Farmers Producer Organisation (FPOs)
3. Integrated Watershed Development programme & climate change adaptation
4. Regenerative Agriculture

### 1. Access to justice phase-2:

**Background:** Udyansh proudly announces its partnership with the esteemed Kailash Satyarthi Children's Foundation of America, Inc. (KSCF-US), effective from May 1st, 2023. This collaboration marks a significant milestone in our shared commitment to prevent and eradicate child trafficking, combat child sexual abuse, and ensure access to justice and rehabilitation for victims across 50 villages in the Alirajpur district.

In line with this impactful initiative, Udyansh has recruited dedicated resource persons to provide clarity and guidance to our staff. This strategic move underscores our unwavering dedication to effectively address these critical issues and uphold the rights and dignity of every child in our communities.

Through our partnership with KSCF-US and the expertise of our newly appointed resource persons, we are poised to make a meaningful difference in the lives of vulnerable children and families, ensuring they receive the protection, support, and opportunities they rightfully deserve. Together, we strive to create a safer, more compassionate world for our children, where their voices are heard, their rights are respected, and their futures are filled with hope and possibility.

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Methodology adopted:

Team orientation:

Udyansh facilitated a comprehensive one-day orientation training program for our esteemed project team members. Held at the Udyansh Training Centre, this session was meticulously crafted to equip our team with a thorough understanding of the project's objectives, intricacies, and requirements.



During this immersive training, our dedicated project team members were provided with detailed insights into the project's scope, goals, and expectations. Through interactive sessions and engaging discussions, they





gained clarity on their roles, responsibilities, and the collective vision driving our endeavors.

Armed with newfound knowledge and a deepened understanding of the project's nuances, our team diligently collaborated to develop a robust action plan. This meticulously crafted roadmap outlines the strategic steps and initiatives required to effectively execute the project, ensuring alignment with our overarching objectives and fostering a culture of excellence and accountability.

As we embark on this transformative journey, Udyansh remains steadfast in our commitment to realizing the project's objectives and making a positive impact in the communities we serve. Through cohesive teamwork, unwavering dedication, and a shared commitment to excellence, we are poised to achieve meaningful and sustainable outcomes for the betterment of all stakeholders involved..

## **1. Communication with Government:**

Udyansh has initiated constructive dialogues with the district administration, taking proactive steps to brief them comprehensively about our program objectives and strategies. This engagement was further reinforced through formal written communication, ensuring clarity and alignment of vision.



In a significant development, the district collector, recognizing the importance of our initiative, issued clear instructions to all line departments to extend their full cooperation to Udyansh for the seamless implementation of the program across the district. This directive underscores the collective commitment towards fostering positive change and empowering communities.



Building upon this momentum, the Udyansh team embarked on a series of productive meetings with officials from various line departments, including the Women & Child Welfare Department and the Labour Welfare Department. These engagements provided a valuable platform for mutual exchange of ideas, insights, and collaborative planning, laying the groundwork for effective coordination and synergy in our efforts.

As we forge ahead with determination and enthusiasm, Udyansh remains deeply grateful for the unwavering support and cooperation extended by the district administration and line departments. Together, we are poised to make meaningful strides towards our shared goal of driving socio-economic development and fostering inclusive growth in the district.



## 2. Selection of villages:

The concerned department suggested the villages as it has been identified by them and put in red line which are more prone to child trafficking and child



marriage. Further, Udyansh team has visited such villages and verified the



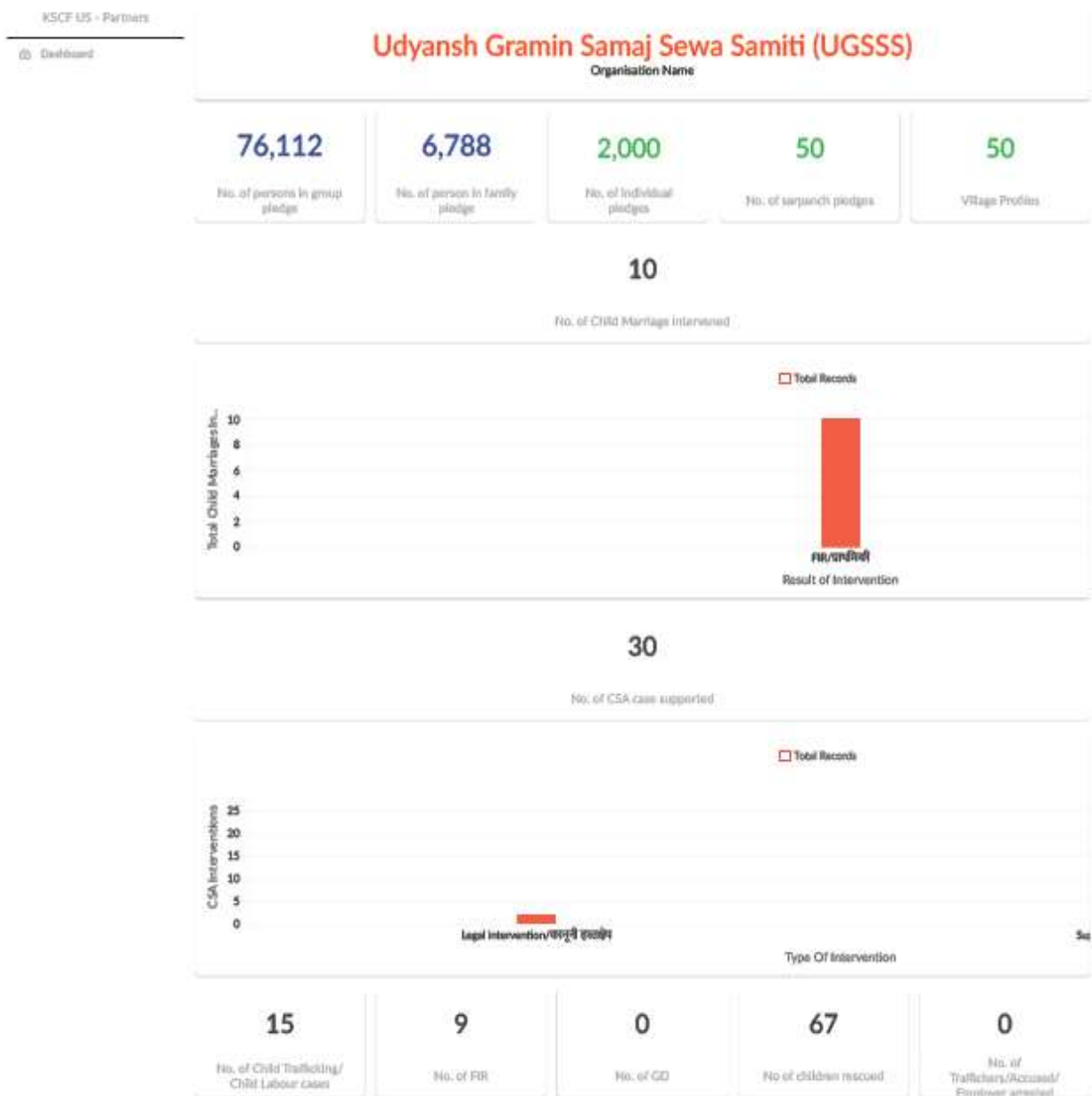
potential of work as per project and finally selected such 50 villages as mentioned in annexure-I

## Annexure-I

S.N.	Village	District
1	Mohi	<a href="#"><u>Alirajpur (MP)</u></a>
2	Vegadi	<a href="#"><u>Alirajpur (MP)</u></a>
3	Kharkua	<a href="#"><u>Alirajpur (MP)</u></a>
4	kodali	<a href="#"><u>Alirajpur (MP)</u></a>
5	kodla	<a href="#"><u>Alirajpur (MP)</u></a>
6	Myala	<a href="#"><u>Alirajpur (MP)</u></a>
7	Morasha	<a href="#"><u>Alirajpur (MP)</u></a>
8	Bamnta	<a href="#"><u>Alirajpur (MP)</u></a>
9	Kharpai	<a href="#"><u>Alirajpur (MP)</u></a>
10	Rajawat	<a href="#"><u>Alirajpur (MP)</u></a>
11	kushalavi	<a href="#"><u>Alirajpur (MP)</u></a>
12	Machhliya	<a href="#"><u>Alirajpur (MP)</u></a>
13	Titi	<a href="#"><u>Alirajpur (MP)</u></a>
14	Dhavalkheda	<a href="#"><u>Alirajpur (MP)</u></a>
15	Sejgaw	<a href="#"><u>Alirajpur (MP)</u></a>
16	Vashakal	<a href="#"><u>Alirajpur (MP)</u></a>
17	Fata	<a href="#"><u>Alirajpur (MP)</u></a>
18	Nanpur	<a href="#"><u>Alirajpur (MP)</u></a>
19	Bhavari	<a href="#"><u>Alirajpur (MP)</u></a>
20	Chachriyaumda	<a href="#"><u>Alirajpur (MP)</u></a>
21	Borana	<a href="#"><u>Alirajpur (MP)</u></a>
22	Chhotaundwa	<a href="#"><u>Alirajpur (MP)</u></a>
23	Bdaundwa	<a href="#"><u>Alirajpur (MP)</u></a>
24	Kati	<a href="#"><u>Alirajpur (MP)</u></a>
25	Kavtthu	<a href="#"><u>Alirajpur (MP)</u></a>
26	Chonganvat	<a href="#"><u>Alirajpur (MP)</u></a>
27	Bilvat	<a href="#"><u>Alirajpur (MP)</u></a>
28	Indarshing ki Choki	<a href="#"><u>Alirajpur (MP)</u></a>
29	Ramshing Ki Choki	<a href="#"><u>Alirajpur (MP)</u></a>
30	Moraji	<a href="#"><u>Alirajpur (MP)</u></a>
31	Roadadha	<a href="#"><u>Alirajpur (MP)</u></a>
32	Ghongsha	<a href="#"><u>Alirajpur (MP)</u></a>
33	Bhuriyakuwa	<a href="#"><u>Alirajpur (MP)</u></a>
34	Giljhiri	<a href="#"><u>Alirajpur (MP)</u></a>
35	Kanpur	<a href="#"><u>Alirajpur (MP)</u></a>
36	Dipa ki choki	<a href="#"><u>Alirajpur (MP)</u></a>
37	Bhaydiya Ki Choki	<a href="#"><u>Alirajpur (MP)</u></a>
38	Malvai	<a href="#"><u>Alirajpur (MP)</u></a>
39	Somkuua	<a href="#"><u>Alirajpur (MP)</u></a>
40	Valvai	<a href="#"><u>Alirajpur (MP)</u></a>
41	Lakhankot	<a href="#"><u>Alirajpur (MP)</u></a>

42	Harshawat	<a href="#">Alirajpur (MP)</a>
43	Girala	<a href="#">Alirajpur (MP)</a>
44	Seja	<a href="#">Alirajpur (MP)</a>
45	Lakxamni	<a href="#">Alirajpur (MP)</a>
46	Ajnda	<a href="#">Alirajpur (MP)</a>
47	Chichalguda	<a href="#">Alirajpur (MP)</a>
48	Guda	<a href="#">Alirajpur (MP)</a>
49	Ambi	<a href="#">Alirajpur (MP)</a>
50	Richhavi	<a href="#">Alirajpur (MP)</a>

### KSCF Progress At a Glance:-





### 3. Farmers producer organisations:

Udyansh Gramin Samaj Sewa Samiti has embarked on a transformative journey as a Producer Organization Promoting Institution (POPI), tasked with the implementation of five Farmer Producer Organizations (FPOs) across the vibrant landscape of Dhar district. Here's an overview of the completed activities:

#### A. Cluster Identification:

Udyansh meticulously identified two clusters within the Dhar district where it had previously established rapport with the local community through earlier projects. Through initial reconnaissance and enumeration exercises, feasible villages were selected for each cluster, with detailed information provided in the progress reports of each FPO.

#### B. Baseline Survey:

Conducting a baseline survey is a crucial step in understanding the key crop value chains and assessing the potential activities within each FPO cluster. This involved interviewing farmers using structured questionnaires, employing stratified sampling techniques for a representative sample, conducting Focus Group Discussions (FGDs) with farmer leaders, and statistically analyzing cropping patterns.

#### C. Computerization of Farmers List:

While conducting awareness meetings, simultaneous completion of the baseline survey allowed for the computerization of farmer lists. These lists, compiled using spreadsheet software, will serve as a valuable resource for analyzing baseline data, finalizing Board of Directors (BoD) members, and identifying other FPO members.

#### D. Awareness Meetings:

Ahead of the awareness meetings, Udyansh liaised with key contacts to finalize dates and locations. Utilizing banners and leaflets to generate interest, these meetings attracted 50 to 100 farmers each, held in easily accessible locations like local temples or school premises. Topics covered included introductions to Udyansh and the NABARD POPI project, benefits of forming FPOs, and practical steps for FPO formation.

#### E. Constitution of Board of Directors (BoD):

During the awareness meetings, farmers were empowered to select their BoD members, ensuring equitable representation from each village within the FPO cluster. Emphasis was placed on selecting influential leaders with a strong vision for FPO development.

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#### F. Training of BoD:

Following the constitution of BoD members, comprehensive training sessions were conducted at Udyansh's cluster office. These sessions covered various aspects of FPO formation, including its background, benefits, structure, and necessary registration documents. Attendance was recorded, fostering a strong relationship between Udyansh and the BoD members.

#### G. Completion of Statutory Processes & Application for Registration:

Equipped with a solid understanding of the registration process, BoD members initiated the collection of necessary documents for FPO registration. Udyansh's field coordinators facilitated this process, ensuring compliance and smooth progression towards official registration.

In summary, Udyansh's proactive approach and meticulous execution of activities underscore its dedication to promoting sustainable agricultural practices and empowering rural communities in Dhar district. Through collaborative efforts and strategic initiatives, Udyansh is paving the way for transformative change and inclusive growth in the region.

#### Activity Photographs:-

##### Awareness Meetings







## BoD trainings





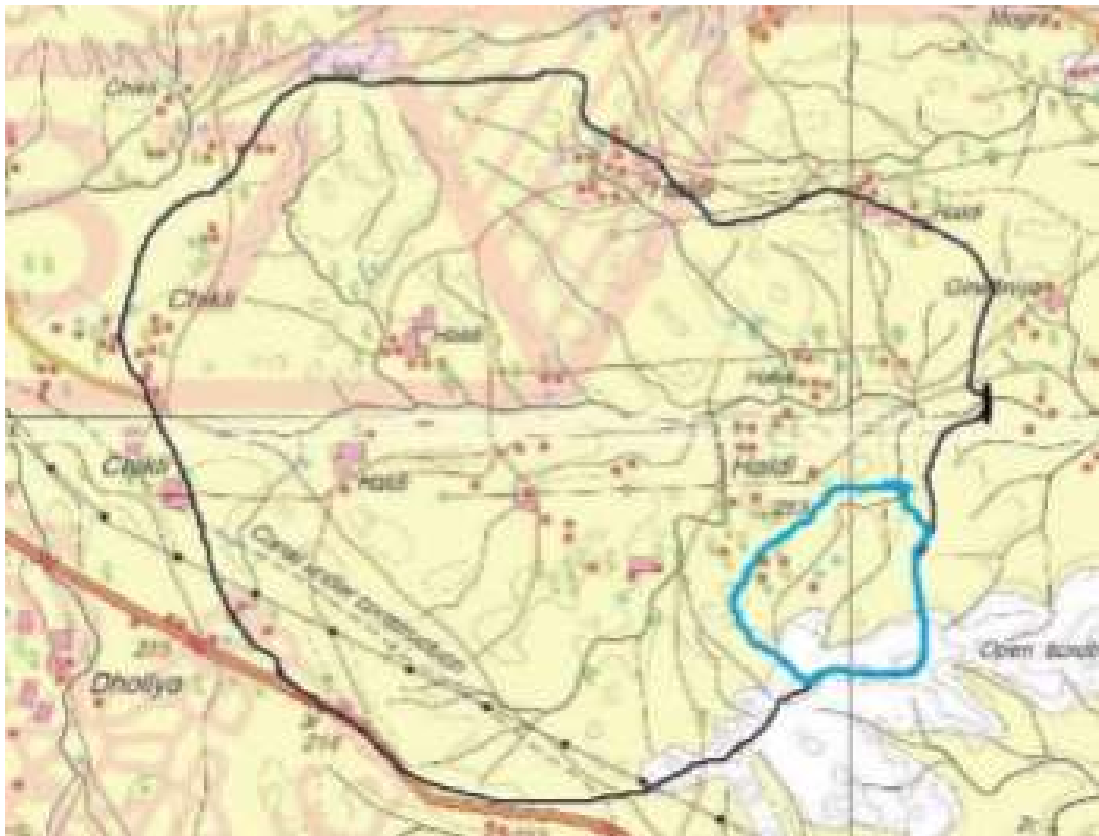




#### 4. Integrated watershed development programme:

Udyansh Gramin Samaj Sewa Samiti has demonstrated commendable achievements in its Community-Based Participatory (CBP) activities, showcasing a commitment to sustainable development and grassroots empowerment. Here's a highlight of their notable accomplishments:

**Watershed Mapping and Preparation:** The organization diligently undertook the task of preparing a watershed area and meticulously mapped out all physical features, laying a strong foundation for future developmental endeavors.



**Community Awareness Meetings:** Recognizing the importance of community involvement, Udyansh Gramin Samaj Sewa Samiti organized informative meetings to enlighten villagers about the CBP program's objectives and the potential benefits it holds. These efforts were crucial in fostering community engagement and buy-in.

**Combined Village Meeting:** A pivotal moment was marked by a combined village meeting held in the presence of key stakeholders, including the District Development Manager (DDM). Discussions during this gathering centered



around critical issues such as community participation, contribution of unskilled labor, environmental conservation measures, and the formation of the Village Watershed Committee (VWC). The active participation and consensus reached during this meeting underscore the collective commitment towards sustainable watershed development.

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**Implementation Planning:** Through a collaborative and participatory approach involving the VWC and community members, Udyansh Gramin Samaj Sewa Samiti meticulously crafted a comprehensive plan for the development of 100 hectares of land. This meticulous planning process reflects a commitment to inclusive decision-making and ensures that the project aligns with the community's needs and aspirations.

**DPR Preparation and Continued Project Support:** With the successful sanctioning of Detailed Project Reports (DPRs) for 900 hectares, Udyansh Gramin Samaj Sewa Samiti embarks on the full implementation phase, poised to make a lasting impact over the next three years. This milestone signifies a significant leap forward in realizing the organization's vision of sustainable rural development.

In summary, Udyansh Gramin Samaj Sewa Samiti's exemplary efforts in executing CBP activities not only exemplify a dedication to environmental stewardship and community empowerment but also pave the way for a brighter, more sustainable future for the region. Their achievements serve as a beacon of inspiration for similar initiatives aiming to foster holistic development and resilience in rural communities.

## 5. Regenerative agriculture

Regenerative agriculture is a holistic approach to farming that aims to restore and enhance the health of the soil, biodiversity, and ecosystems while also improving the resilience of farms to climate change. Unlike conventional agriculture, which often relies heavily on chemical inputs and mechanization, regenerative agriculture focuses on nurturing natural processes to create a more sustainable and productive farming system.

At its core, regenerative agriculture seeks to mimic the natural systems and cycles found in healthy ecosystems. This involves practices such as cover cropping, crop rotation, no-till or low-till farming, and the integration of livestock. These practices help to build soil organic matter, improve soil structure, and increase water retention, which in turn promotes healthier plants and reduces the need for synthetic fertilizers and pesticides.

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One of the key principles of regenerative agriculture is soil health. Healthy soil is teeming with microbial life and organic matter, which play crucial roles in nutrient cycling, water retention, and plant health. By prioritizing soil health, regenerative farmers can improve the long-term productivity and resilience of their land, reducing the need for external inputs and minimizing environmental impacts.

Another important aspect of regenerative agriculture is biodiversity. By fostering diverse plant and animal species on the farm, farmers can create more resilient ecosystems that are better able to withstand pests, diseases, and extreme weather events. Integrating livestock into cropping systems can also provide additional benefits, such as natural fertilizer and weed control, while simultaneously improving soil health through rotational grazing practices.

In addition to environmental benefits, regenerative agriculture can also have positive social and economic impacts. By reducing reliance on expensive inputs and improving yields over the long term, regenerative farming practices can help to increase the profitability and resilience of farms, particularly in the face of changing climate conditions. Furthermore, by prioritizing environmental stewardship and sustainable land management, regenerative agriculture can contribute to the conservation of natural resources and the preservation of rural livelihoods.

Overall, regenerative agriculture offers a promising pathway towards a more sustainable and resilient food system. By harnessing the power of nature and working in harmony with natural ecosystems, regenerative farmers can help to create healthier soils, more productive farms, and a more sustainable future for generations to come. Few snapshots as below:-

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## regenagri Assessment Report

Udyansh(UGSSS) - UDYANSH GRAMIN SAMAJ SEWA SAMITI

Assessed area information	
Name of the auditor:	Mr. Arjun Desai, Unmesh V, and Prashant .P
Location of assessed area:	Gopi Complex Gopi vihar Colony Barwani Road Thikri District Barwani M.P.
Date of assessment:	25/10/2023 - 02/11/2023
On farm or remote:	on-farm
Total area in scope:	45,652 acres
Total number of farms in the scope:	14275
Total agricultural area of the sample:	45,115 acres
Type of farm:	Arable (cotton,maize,winter wheat, bengal gram, fennel)
Type of operation:	Organic (in transition)

### Assessment results and scorecard breakdown:

Totals	
<b>regenagri score</b>	<b>100%</b>
<b>Cover cropping</b>	<b>3</b>
Total area of applicable land	45,115.0 acres
Total area of fields with cover crops	15,790.3 acres
Percentage of fields with cover crops	35%
Number of species	3
Includes leguminous plants	Yes
Additional comments :Bajra, Jowar and green gram	

<b>Tillage management</b>	<b>5</b>
Total area of applicable land	45,115.0 acres
Total area of fields with conservation tillage	45,115.0 acres

Percentage of fields with conservation tillage	100%
Additional comments :	

Crop rotation utilisation	8
Average number of crops in rotation	8
Any crop is planted twice in a row in any field?	No
Additional comments : cotton, maize, wheat, chana, fennel seeds, bajra, jowar and green gram	

Perennial cropping	3
Total area of applicable land	45,115.0 acres
Percentage of the whole farm dedicated to perennial crops	10%
Additional comments: Teakwood & Sweet lime	

Intercropping	3
Total area of applicable land	45,115.0 acres
Total area of fields with intercropping	22,557.5 acres
Percentage of fields with intercropping	50%
Additional comments: the main intercropping is Cotton-pigeon pea, Cotton-maize and Jowar-maize	

Afforestation	5
Total area of applicable land	45,652.0 acres
Total number of trees planted in last five years	2,35,433
any of the trees planted have been integrated into the arable or livestock farming system	Yes
Ratio of trees planted per hectare/acre	12.74
Additional comments:	

Natural fertiliser strategies	1
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Amount of synthetic fertiliser used	97.83 kg/acre
Amount of natural fertiliser used	39.22 kg/acre
Percentage of natural fertiliser	28%
Additional comments: 28% of the total fertiliser applied is natural	

Synthetic fertiliser reduction	5
Total amount of synthetic fertiliser used	97.83 kg/acre
Baseline	222.67 kg/acre
Baseline reference	IFA, 2019
Additional comments: Total amount of synthetic fertiliser applied is 56% less than the baseline	

Natural crop protection strategies	5
Number of strategies	3
Natural CPP are applied on more than 15% of the total land	Yes
Additional comments: Mechanical control measures - Yellow Sticky traps and pheromone traps. Bio-Pesticides used: neem oil, jeevamrut and brahmastra and Trichoderma	

Synthetic pesticide reduction	1
Total amount of synthetic pesticide used	0.17 kg/acre
Baseline	0.15 kg/acre
Baseline reference	FAO, 2020
Additional comments:	

Soil sampling	3
Any fields soil sampled in the last three years	Yes
Records kept of soil sampling	Yes
Soil management plan in place	Yes
Increase in SOM observed	No
Additional comments :	

Biodiversity	5
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Number of practices implemented	3
Presence and number of verified outcomes	2
Additional comments :	

Hedgerows and windbreaks	3
Percentage of field bordered by hedgerows/ windbreaks	70%
hedgerows and windbreaks are present at least every 750m within the field boundaries	No
Additional comments :	

Utilisation of rainwater harvesting for irrigation or livestock	5
Average annual rainfall for your region	475-1475mm
Percentage of needs met through rainwater harvesting	30%
Additional comments:	

Conservation of natural habitat	2
Mandatory minimum percentage imposed in your region/country by law for area of conservation of natural areas on agricultural land	0%
Estimated percentage of conservational area, hedgerows, buffer strips and unfarmed land	30%
The farm has enlarged the land dedicated to conservation area by more than 0.5% of the total in the last year	No
Additional comments:	

Engaging with the community	3
Number of community/regional schemes	6
Additional comments:	

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Usage of renewable energy	2
Approximate percentage of energy sourced renewably	15%
Any hydropower used	No
Additional comments:	

Irrigation practices	3
Number of practices implemented to improve irrigation efficiency	5
Water savings are being quantified	Yes
Additional comments:	

Pollution prevention- plastic	1
Plastic action plan in place	Yes
Presence of quantified plastic reduction	No
Additional comments:	

Pollution prevention- water	1
Number of key practices	1
Number of additional practices	0
Water analysis is present	no
Positive outcomes are observed	no
Additional comments :	

Synergy points	
Biodiversity custodian - Maximum points for biodiversity, conservation and hedgerows	4

Total Points	69
Total points available	66
<b>regenagri final score</b>	<b>100%</b>

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**Crop Carbon Assessment for Udyansh(UGSSS) - UDYANSH GRAMIN SAMAJ  
SEWA SAMITI**

Totals	
Total greenhouse gases	118,369,932.95 kg CO <sub>2</sub> e

**Crop Carbon Assessment for Cotton**

Totals	
emissions total	10,403,063.98 kg CO <sub>2</sub> e
emissions per area	230.59 kg CO <sub>2</sub> e / acre
emissions per product	274.84 kg CO <sub>2</sub> e / tonne
soil organic carbon	0.50%
machinery fuel usage	647,841.48 litre

GHG breakdown	
GHG	mass
7057.87 tonnes CO <sub>2</sub>	7057.87 tonnes CO <sub>2</sub> e
12.25 tonnes N <sub>2</sub> O	3345.20 tonnes CO <sub>2</sub> e
0.00 tonnes CH <sub>4</sub>	0.00 tonnes CO <sub>2</sub> e

Sources breakdown (kg)
------------------------

Fertiliser Production	
CO <sub>2</sub>	27,44,524.78
N <sub>2</sub> O	0
CH <sub>4</sub>	0
total CO <sub>2</sub> e	27,44,524.78
total CO <sub>2</sub> e per area	60.83
total CO <sub>2</sub> e per product	72.51

Fertiliser soil	
CO <sub>2</sub>	3,19,991.84
N <sub>2</sub> O	9,690.82
CH <sub>4</sub>	0
total CO <sub>2</sub> e	29,65,589.63
total CO <sub>2</sub> e per area	65.73
total CO <sub>2</sub> e per product	78.35

Field Energy	
CO <sub>2</sub>	4,33,966.85



N2O	0
CH4	0
total CO2e	4,33,966.85
total CO2e per area	9.62
total CO2e per product	11.46

Irrigation	
CO2	65,069.92
N2O	0
CH4	0
total CO2e	65,069.92
total CO2e per area	1.44
total CO2e per product	1.72

Machinery	
CO2	21,60,078.40
N2O	0
CH4	0
total CO2e	21,60,078.40
total CO2e per area	47.88
total CO2e per product	57.07

Management Changes	
CO2	-1,60,905.37
N2O	0
CH4	0
total CO2e	-1,60,905.37
total CO2e per area	-3.57
total CO2e per product	-4.25

Pesticide	
CO2	0
N2O	0
CH4	0
total CO2e	0
total CO2e per area	0
total CO2e per product	0

Processing	
CO2	76,004.00
N2O	0
CH4	0

total CO2e	76,004.00
total CO2e per area	1.68
total CO2e per product	2.01

Residue	
CO2	0
N2O	2,562.64
CH4	0
total CO2e	6,99,601.04
total CO2e per area	15.51
total CO2e per product	18.48

Seed	
CO2	0
N2O	0
CH4	0
total CO2e	0
total CO2e per area	0
total CO2e per product	0

Storage	
CO2	0
N2O	0
CH4	0
total CO2e	0
total CO2e per area	0
total CO2e per product	0

Transportation	
CO2	14,19,134.73
N2O	0
CH4	0
total CO2e	14,19,134.73
total CO2e per area	31.46
total CO2e per product	37.49

Waste Water	
CO2	0
N2O	0
CH4	0
total CO2e	0
total CO2e per area	0
total CO2e per product	0

## Crop Carbon Assessment for Maize

Totals	
emissions total	27,959,837.83 kg CO <sub>2</sub> e
emissions per area	619.75 kg CO <sub>2</sub> e / acre
emissions per product	4,175.01 kg CO <sub>2</sub> e / tonne
soil organic carbon	0.50%
machinery fuel usage	0 litre

GHG breakdown	
GHG	mass
24965.98 tonnes CO <sub>2</sub>	24965.98 tonnes CO <sub>2</sub> e
10.97 tonnes N <sub>2</sub> O	2993.86 tonnes CO <sub>2</sub> e
0.00 tonnes CH <sub>4</sub>	0.00 tonnes CO <sub>2</sub> e

Sources breakdown (kg)
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Fertiliser Production	
CO <sub>2</sub>	2,44,52,733.15
N <sub>2</sub> O	0
CH <sub>4</sub>	0
total CO <sub>2</sub> e	2,44,52,733.15
total CO <sub>2</sub> e per area	542.01
total CO <sub>2</sub> e per product	3,651.32

Fertiliser soil	
CO <sub>2</sub>	2,67,775.60
N <sub>2</sub> O	10,966.50
CH <sub>4</sub>	0
total CO <sub>2</sub> e	32,61,633.90
total CO <sub>2</sub> e per area	72.30
total CO <sub>2</sub> e per product	487.03

Field Energy	
CO <sub>2</sub>	76,779.41
N <sub>2</sub> O	0
CH <sub>4</sub>	0
total CO <sub>2</sub> e	76,779.41
total CO <sub>2</sub> e per area	1.70
total CO <sub>2</sub> e per product	11.46

Irrigation
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CO2	65,069.92
N2O	0
CH4	0
total CO2e	65,069.92
total CO2e per area	1.44
total CO2e per product	9.72

Machinery	
CO2	0
N2O	0
CH4	0
total CO2e	0
total CO2e per area	0
total CO2e per product	0

Management Changes	
CO2	-1,60,905.37
N2O	0
CH4	0
total CO2e	-1,60,905.37
total CO2e per area	-3.57
total CO2e per product	-24.03

Pesticide	
CO2	0
N2O	0
CH4	0
total CO2e	0
total CO2e per area	0
total CO2e per product	0

Processing	
CO2	13,446.98
N2O	0
CH4	0
total CO2e	13,446.98
total CO2e per area	0.30
total CO2e per product	2.01

Residue	
CO2	0
N2O	0
CH4	0

total CO2e	0
total CO2e per area	0
total CO2e per product	0

Seed	
CO2	0
N2O	0
CH4	0
total CO2e	0
total CO2e per area	0
total CO2e per product	0

Storage	
CO2	0
N2O	0
CH4	0
total CO2e	0
total CO2e per area	0
total CO2e per product	0

Transportation	
CO2	2,51,079.84
N2O	0
CH4	0
total CO2e	2,51,079.84
total CO2e per area	5.57
total CO2e per product	37.49

Waste Water	
CO2	0
N2O	0
CH4	0
total CO2e	0
total CO2e per area	0
total CO2e per product	0

### Crop Carbon Assessment for Winter wheat

Totals	
emissions total	36,152,577.54 kg CO2e
emissions per area	801.34 kg CO2e / acre
emissions per product	1,895.2 kg CO2e / tonne
soil organic carbon	0.50%

machinery fuel usage	0 litre
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GHG breakdown	
GHG	mass
32571.93 tonnes CO2	32571.93 tonnes CO2e
13.12 tonnes N2O	3580.64 tonnes CO2e
0.00 tonnes CH4	0.00 tonnes CO2e

Sources breakdown (kg)
------------------------

Fertiliser Production	
CO2	3,14,54,579.93
N2O	0
CH4	0
total CO2e	3,14,54,579.93
total CO2e per area	697.21
total CO2e per product	1,648.92

Fertiliser soil	
CO2	2,40,998.04
N2O	13,115.89
CH4	0
total CO2e	38,21,640.69
total CO2e per area	84.71
total CO2e per product	200.34

Field Energy	
CO2	2,18,702.00
N2O	0
CH4	0
total CO2e	2,18,702.00
total CO2e per area	4.85
total CO2e per product	11.46

Irrigation	
CO2	65,069.92
N2O	0
CH4	0
total CO2e	65,069.92
total CO2e per area	1.44
total CO2e per product	3.41

Machinery
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CO2	0
N2O	0
CH4	0
total CO2e	0
total CO2e per area	0
total CO2e per product	0

Management Changes	
CO2	-1,60,905.37
N2O	0
CH4	0
total CO2e	-1,60,905.37
total CO2e per area	-3.57
total CO2e per product	-8.44

Pesticide	
CO2	0
N2O	0
CH4	0
total CO2e	0
total CO2e per area	0
total CO2e per product	0

Processing	
CO2	38,302.99
N2O	0
CH4	0
total CO2e	38,302.99
total CO2e per area	0.85
total CO2e per product	2.01

Residue	
CO2	0
N2O	0
CH4	0
total CO2e	0
total CO2e per area	0
total CO2e per product	0

Seed	
CO2	0
N2O	0
CH4	0

total CO2e	0
total CO2e per area	0
total CO2e per product	0

Storage	
CO2	0
N2O	0
CH4	0
total CO2e	0
total CO2e per area	0
total CO2e per product	0

Transportation	
CO2	7,15,187.37
N2O	0
CH4	0
total CO2e	7,15,187.37
total CO2e per area	15.85
total CO2e per product	37.49

Waste Water	
CO2	0
N2O	0
CH4	0
total CO2e	0
total CO2e per area	0
total CO2e per product	0

### Crop Carbon Assessment for Other legume - Bengal gram

Totals	
emissions total	43,763,738.89 kg CO2e
emissions per area	970.05 kg CO2e / acre
emissions per product	5,367.94 kg CO2e / tonne
soil organic carbon	0.50%
machinery fuel usage	0 litre

GHG breakdown	
GHG	mass
319.67 tonnes CO2	319.67 tonnes CO2e
11.18 tonnes N2O	3052.14 tonnes CO2e
1447.74 tonnes CH4	40391.94 tonnes CO2e

## Sources breakdown (kg)

### Fertiliser Production

CO <sub>2</sub>	0
N <sub>2</sub> O	0
CH <sub>4</sub>	0
total CO <sub>2</sub> e	0
total CO <sub>2</sub> e per area	0
total CO <sub>2</sub> e per product	0

### Fertiliser soil

CO <sub>2</sub>	0
N <sub>2</sub> O	0
CH <sub>4</sub>	0
total CO <sub>2</sub> e	0
total CO <sub>2</sub> e per area	0
total CO <sub>2</sub> e per product	0

### Field Energy

CO <sub>2</sub>	93,470.49
N <sub>2</sub> O	0
CH <sub>4</sub>	0
total CO <sub>2</sub> e	93,470.49
total CO <sub>2</sub> e per area	2.07
total CO <sub>2</sub> e per product	11.46

### Irrigation

CO <sub>2</sub>	65,069.92
N <sub>2</sub> O	0
CH <sub>4</sub>	0
total CO <sub>2</sub> e	65,069.92
total CO <sub>2</sub> e per area	1.44
total CO <sub>2</sub> e per product	7.98

### Machinery

CO <sub>2</sub>	0
N <sub>2</sub> O	0
CH <sub>4</sub>	0
total CO <sub>2</sub> e	0
total CO <sub>2</sub> e per area	0
total CO <sub>2</sub> e per product	0

### Management Changes



CO2	-1,60,905.37
N2O	0
CH4	0
total CO2e	-1,60,905.37
total CO2e per area	-3.57
total CO2e per product	-19.74

Pesticide	
CO2	0
N2O	0
CH4	0
total CO2e	0
total CO2e per area	0
total CO2e per product	0

Processing	
CO2	16,370.22
N2O	0
CH4	0
total CO2e	16,370.22
total CO2e per area	0.36
total CO2e per product	2.01

Residue	
CO2	0
N2O	11,179.97
CH4	14,47,739.50
total CO2e	4,34,44,071.54
total CO2e per area	962.96
total CO2e per product	5,328.73

Seed	
CO2	0
N2O	0
CH4	0
total CO2e	0
total CO2e per area	0
total CO2e per product	0

Storage	
CO2	0
N2O	0
CH4	0

total CO2e	0
total CO2e per area	0
total CO2e per product	0

Transportation	
CO2	3,05,662.09
N2O	0
CH4	0
total CO2e	3,05,662.09
total CO2e per area	6.78
total CO2e per product	37.49

Waste Water	
CO2	0
N2O	0
CH4	0
total CO2e	0
total CO2e per area	0
total CO2e per product	0

### Crop Carbon Assessment for Other - Fennel seeds

Totals	
emissions total	90,714.71 kg CO2e
emissions per area	2.01 kg CO2e / acre
emissions per product	24.78 kg CO2e / tonne
soil organic carbon	0.50%
machinery fuel usage	0 litre

GHG breakdown	
GHG	mass
90.71 tonnes CO2	90.71 tonnes CO2e
0.00 tonnes N2O	0.00 tonnes CO2e
0.00 tonnes CH4	0.00 tonnes CO2e

Sources breakdown (kg)
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Fertiliser Production	
CO2	0
N2O	0
CH4	0
total CO2e	0
total CO2e per area	0

total CO <sub>2</sub> e per product	0
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Fertiliser soil	
CO <sub>2</sub>	0
N <sub>2</sub> O	0
CH <sub>4</sub>	0
total CO <sub>2</sub> e	0
total CO <sub>2</sub> e per area	0
total CO <sub>2</sub> e per product	0

Field Energy	
CO <sub>2</sub>	41,965.87
N <sub>2</sub> O	0
CH <sub>4</sub>	0
total CO <sub>2</sub> e	0
total CO <sub>2</sub> e per area	0.93
total CO <sub>2</sub> e per product	11.46

Irrigation	
CO <sub>2</sub>	65,069.92
N <sub>2</sub> O	0
CH <sub>4</sub>	0
total CO <sub>2</sub> e	65,069.92
total CO <sub>2</sub> e per area	1.44
total CO <sub>2</sub> e per product	17.78

Machinery	
CO <sub>2</sub>	0
N <sub>2</sub> O	0
CH <sub>4</sub>	0
total CO <sub>2</sub> e	0
total CO <sub>2</sub> e per area	0
total CO <sub>2</sub> e per product	0

Management Changes	
CO <sub>2</sub>	-1,60,905.37
N <sub>2</sub> O	0
CH <sub>4</sub>	0
total CO <sub>2</sub> e	-1,60,905.37
total CO <sub>2</sub> e per area	-3.57
total CO <sub>2</sub> e per product	-43.96

Pesticide	
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CO2	0
N2O	0
CH4	0
total CO2e	0
total CO2e per area	0
total CO2e per product	0

Processing	
CO2	7,349.81
N2O	0
CH4	0
total CO2e	0
total CO2e per area	0.16
total CO2e per product	2.01

Residue	
CO2	0
N2O	0
CH4	0
total CO2e	0
total CO2e per area	0
total CO2e per product	0

Seed	
CO2	0
N2O	0
CH4	0
total CO2e	0
total CO2e per area	0
total CO2e per product	0

Storage	
CO2	0
N2O	0
CH4	0
total CO2e	0
total CO2e per area	0
total CO2e per product	0

Transportation	
CO2	1,37,234.46
N2O	0
CH4	0

total CO2e	0
total CO2e per area	3.04
total CO2e per product	37.49

Waste Water	
CO2	0
N2O	0
CH4	0
total CO2e	0
total CO2e per area	0
total CO2e per product	0

# Financial statement

Attached separately as annexure

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