

[illegible]

Partnership For A Prosperous Future - Multistakeholder Approach To Rural Development



ANNUAL REPORT

NATIONAL AGRO FOUNDATION

www.nationalagrofoundation.org

TABLE OF CONTENTS

- ▶ CHAIRMAN'S MESSAGE
- ▶ MESSAGE FROM TRUSTEE
- ▶ ABOUT US
- ▶ KEY ACHIVEMENTS FOR THE YEAR 2022 - 2023
- ▶ WATERSHED DEVELOPMENT DIVISION : CSR PROJECTS
- ▶ WATERSHED DEVELOPMENT DIVISION: NABARD & CSR PROJECTS
- ▶ AGRICULTURE DEVELOPMENT DIVISION
- ▶ AGRIBUSINESS DEVELOPMENT DIVISION
- ▶ TRAINING & CAPACITY BUILDING DIVISION
- ▶ LABORATORY SERVICES DIVISION
- ▶ REASERCH AND DEVELOPMENT DIVISION
- ▶ SUCCESS STORIES & TESTIMONIALS
- ▶ EVENTS AT NAF
- ▶ BOARD OF TRUSTEES
- ▶ GOVERNING COUNCIL MEMBERS
- ▶ OUR PARTNERS & SUPPORTERS
- ▶ CONTACT

Greetings to All!!!

On behalf of the Board of Trustees I am pleased to present to you the National Agro Foundation's Annual Report for the year 2022 – 2023.

Sustainable Development requires close collaboration among many stakeholders. The scale, scope and complexity of the economic and social transformation that the sustainable development agenda requires is such that no one sector – government, business, civil society or academia – will be able to manage the transformation alone. Implementing SDGs requires constructive and inclusive cooperation among all groups of society, and multi-stakeholder partnerships will play a key role in delivering a prosperous future for all people. Multi-stakeholder partnerships can unleash innovative ways of working, mobilizing expertise and difficult-to-reach resources and creating shared accountability in an increasingly complex world.

Each sector and each partner have a valuable role to play, but it is in collaboration that real transformation happens. NAF has been consciously building partnership models which are long lasting, scalable and transformative and this has proven the key to deliver the benefits of sustainable development to all.

The world is already witnessing how traditional boundaries between sectors become blurred, with Governments, civil society, business, academia and other stakeholders acquiring a wider governance role. In a world which is increasingly characterized by uncertainty and economic and social transformations, there are new opportunities and new roles for all stakeholders and, increasingly, a shared sense of responsibility in achieving the kind of world envisaged in the Sustainable Development Goals.

We seek to leverage our strengths and resources and to consolidate our efforts in reaching out to the last mile and most vulnerable sections of the rural society.

I would like to thank the management team and staff for their support and hard work that has enabled us to come this far. I would also like to extend my gratitude to my fellow trustees and governing council members for their contributions to the Foundation. Last but not least, I would like to show appreciation to our stakeholders and supporters for their confidence, good will and constant support.

Kind Regards

Mr. M R Sivaraman IAS (Retd.)
Chairman



Greetings to All!!!

It is my pleasure to present to you the Annual Report of National Agro Foundation. The last year has brought on fresh challenges and posed risk questions in the development sphere for all stakeholders. Engaging across multi-dimensional, multi sectoral interdisciplinary areas of development in this post covid scenario has put pressure on multiple stakeholders to assume the responsibility to overcome those challenges, develop resilience and create new opportunities to interface and synergize for growth and development.



The global economy has seen many highs and lows and is in a state of constant flux, continuously threatened by uncertainties. We have been witnessing continuous disruptions in the development space, especially rural development, with dwindling resources to core functional growth areas, to poor performance in the agriculture sector compounded by weather vagaries, lack of marketing infrastructure and regulations, increased costs of production, high inflation, poor returns to the farmers. There is greater financial stress, increase in debts and significant tightening in global financing towards development initiatives. This has opened the field to multiple players in the development domain to interact with each other seeking mutually sustainable partnerships to seek out answers and solutions to meet the development needs of the communities in India.

There is a real legitimate cause of concern, it is thus imperative that we explore alternative solutions which would facilitate smoother transitions in the development sector and help vulnerable communities become more resilient in the process.

The “Partnership for a Prosperous Future” with a multistakeholder approach to rural development is a collaborative initiative that brings together various actors, including governments, local communities, non-governmental organizations (NGOs), private sector companies, academia, and international organizations. The primary objective is to work collectively towards the sustainable development of

rural areas, focusing on economic growth, social inclusion, environmental sustainability, and overall prosperity.

National Agro Foundation has been consciously working towards seeking out like minded partners to develop sustainable solutions to various challenges thrown at us in the rural development sector. Through this approach we have been ensuring an Inclusive Decision-Making, where all stakeholders actively participate in the planning, implementation, and monitoring of rural development projects. Local communities, being the most affected, have a central role in shaping the initiatives that directly impact their lives. The partnership establishes a shared vision for rural development, identifying common goals and targets that align with national and global development agendas, such as the Sustainable Development Goals (SDGs). National Agro Foundation has been working towards realising the Sustainable Development Goals through its various initiatives in the field of Natural Resource management, soil and water conservation measures, rural infrastructure development, promoting health and sanitation in vulnerable rural areas, creating greener spaces through massive tree plantation drives, promotion of LEAN and climate smart agriculture practices etc.

While each stakeholder contributes its unique resources, expertise, and capabilities to support the development initiatives. Governments provide funding, policies, and regulatory support, while NGOs and private sector entities bring technical expertise and innovation including finance to synergize efforts and resources for one common vision of a prosperous future for all. We are proud to be associated with both the State and National Government and its subsidiaries and a wide range of Corporate Partners who have believed in our vision and ability to drive development projects across the Country. We have been able to form more than a 120 Farmer Producer Companies and aggregate over a lakh farmer for better productive gains in the agri business domain, by linking them with market players and fostering sustainable business partnerships. Handholding, capacity building and empowering the farmers through an inclusive partnership has proved to be our strong success. We can now witness the many Farmer Producer Companies, who have established themselves for a successful future through agri business initiatives.

NAF through its multi stakeholder partnerships also focuses on empowering local communities by providing training and capacity-building programs. This enhances their skills and knowledge to actively participate in the development process and manage projects effectively. We have a well-equipped Centre for Rural Development (CFRD) at Illedu in Tamilnadu, which caters to the knowledge requirements of various communities by providing an array of training programs customized to the community needs. Regular farm-based trainings, exposure visits, peer learning programs, farm school days, demonstrations and various agri models are constantly developed to bridge the knowledge and skill gaps of the community. A number of immersion programs have also been organized for our corporate partners to allow their employees contribute meaningfully to the development initiatives.

Embracing technology and innovative solutions can significantly boost rural development. National Agro Foundation has partnered with multiple stakeholders to develop various digital platforms and knowledge systems to foster an environment of inclusion where farmers can digital revolution through simple innovations. NAF through its multiple partnerships finally, also aims to promote sustainable practices that protect the environment, conserve natural resources, and build resilience against environmental and economic shocks. We are conscious to not promote environmentally unsustainable practices across any of our project locations and engage communities in a continuous process of unlearning and relearning more sustainable approaches to agriculture, use of low cost agri tech, improved soil and water conservation measures, safeguarding the natural resources through village watershed committees and Mahila Pani Samities, empowering people with knowledge and skills to manage their resource efficiently and plan for a sustainable future.

Many of our Corporate Partners have also supported us in creating entrepreneurial opportunities, especially for women through the financial inclusion initiatives and the Income generation program. We have more than 500 women who have benefited from such schemes and have successfully set up micro enterprises in the villages, creating a vibrant rural economy. Through the process of empowering women, educating and upskilling is another core area that NAF has been focussing on with support from its CSR Partners.

By fostering a multistakeholder approach to rural development, the partnership can leverage diverse perspectives, resources, and expertise to tackle complex challenges and create sustainable, inclusive, and prosperous rural communities. It fosters a sense of ownership among stakeholders and ensures that development efforts are tailored to meet the specific needs of the rural population, ultimately leading to more impactful and transformative outcomes.

I am grateful to all our Partners who have believed in us and have walked the difficult path with us to ensure that only the best of service is provided to our communities through our programs which are skilfully aimed at achieving a prosperous rural society. Reaching out to over a lakh farmer in a meaningful and impactful manner would not have been possible without their continued support and shared vision. We look forward to witnessing the power of collective action, synergized efforts and renewed partnerships.

S S Rajsekar
Managing Trustee,
National Agro Foundation

Enabling a Prosperous Rural India Since 2000

Who We Are



National Agro Foundation (NAF) was set up as a Public Charitable Trust in 2000 by Mr. C. Subramaniam, (Architect of India's Green Revolution and Bharat Ratna Awardee) to usher in rural revolution with special focus on agriculture and small and marginal farmers as well as to bring about inclusive growth. Having been the architect of India's Green Revolution with a "Seed to Grain" approach, Mr. Subramaniam envisioned NAF for economic and social development of farmers with a "Soil to Market" approach on a sustainable basis.

Dr A P J Abdul Kalam, Former President of India succeeded Mr. C. Subramaniam and guided NAF as the Chairman of its Governing Council till he became the President of India.

From its humble beginning based on small practical approaches to sustainable development, NAF has grown to a fully-fledged professional organization providing cutting edge services creating large scale impact in the rural areas and changing lives of scores of farmers in the country. Joining hands with the Government, corporate houses and other stakeholders to implement its core programs, NAF has been successfully addressing local and global challenges of agriculture and rural development through multi-pronged approaches and targeted interventions.

VISION



To create a "Healthy, Literate and Prosperous Rural India"

MISSION



"Creating replicable models of prosperous rural clusters through ecologically safe, environmentally sustainable farm and non-farm sector activities, natural resource management, rural enterprises and human resource development by networking various stakeholders through mutually beneficial partnerships."

The 4E Approach to Sustainable Development

“Achieving better balance between interdependent and mutually reinforcing pillars of sustainable development – “Education”, “Economy”, “Environment” & “Empowerment”



Sustainable development is about recognizing, understanding and acting on interconnections — between the thematic areas of education, economy, environment and empowerment. In pursuit to achieve significant and verifiable outcomes across these cross-cutting thematic areas and to streamline the broad-spectrum interventions NAF has divided the organization into multiple divisions comprising:

Watershed Development Division:

Natural Resource Management, Watershed Development, Soil and Water Conservation, Climate Change adaptation and mitigation, Promotion of Afforestation, etc.



Agriculture Development Division:

Promotion of LEAN Farming, Sustainable Climate Smart Agriculture, Adaptive Research, Comprehensive soil health management, promotion of farm machinery



Agri Business Development Division:

Formation & Development FPOs, Agri-business trainings, Digitization of FPO Business Operations, FPO Credit & Market Linkages, Rural Entrepreneurship, Infrastructure Development for value added products etc.



Training and capacity Building Division:

Training and Capacity building for adoption of Sustainable Agriculture practices, Organic farming, Lean Farming, Climate Smart Agriculture, Agri Clinic and Agri Business training, Farm Skill training, Micro Enterprise Development, Awareness programmes, etc.



Laboratory Services Division:

Technology and analytical services for food and agriculture development covering soil, food quality & safety analysis, consultancy services, training and academic programs, etc



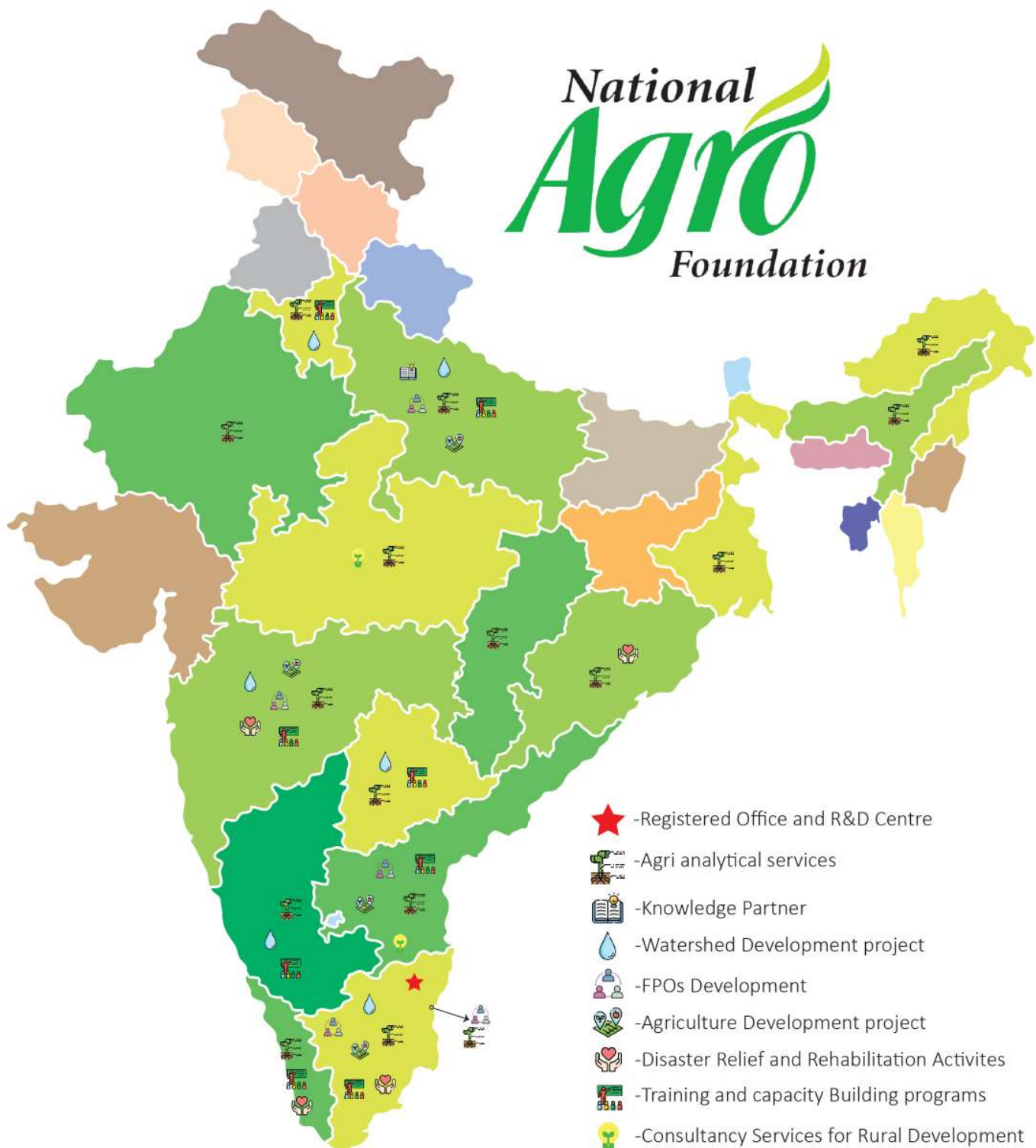
Research & Development Division:

Undertaking applied R&D in the field of food, agriculture and environment.



| Outreach |

Overall, 2,00,000+ rural families from over 2300+ villages across 8 states have benefited from NAF's interventions





Awards

- National Agro Foundation, has received the Best performance Award for its Cuddalore Watershed projects by National Bank for Agriculture and Rural Development (NABARD) for 2021 – 2022.
- Water Conservation for Sustainable Livelihood Project Supported by Tata Capital Housing Finance Limited, implemented in Vandavasi, Tamilnadu; was conferred with 'Best CSR and Sustainability Award' in the category 'Excellence in Water Conservation' by Confederation of Indian Industry (CII) in February, 2022.



Recognition

- Recognition of NAF as Scientific and Industrial Research Organization (SIRO), by the Department of Scientific and Industrial Research under the scheme on Scientific and Industrial Research Organizations (SIROs), 1988



Empanelment & Certifications

- Certificate of Empanelment as Training Partner to impart Training under Food Safety Certification and Training (FoSTaC) programme of FSSAI
- Nodal training institute for ACABC training programs (Recognized by MANAGE)
- Technical partner with Tamilnadu Corporation for Development of Women Limited, an organization of Ministry of Rural Development, for Mahila Kisan Shashakthikaran Pariyojana (MKSP).
- Empanelled resource institute/POPI for Central Small Farmers Agri- Consortium (SFAC) and NABARD respectively for promoting and nurturing FPOs.
- Empanelled Charity Partner of Bank of New York Mellon for their Community Impact Program.
- Empanelled as CBBO under central Sector Scheme for promotion of FPOs in three new states of Andhra Pradesh, Uttar Pradesh, Puducherry and Maharashtra.
- NAF is Empanelled under National CSR hub.
- NAF is a member of Global Alliance for Climate Smart Agriculture since 2022.



Accreditation

NAF Laboratory Services Division has been granted accreditation for soil, food, water and organic fertilizer testing; as per ISO/IEC 17025:2017 International Standard by National Accreditation Board for Testing and Calibration Laboratories (NABL), a Constituent Board of Quality Council of India.

CSR Empanelment certification and accreditation under the TISS Assessment and Empanelment Standards for Development Institutions in India (TISS AESDII), 2021

Environment

Agriculture & Allied Services

- Direct agri-technology transfer to about **4000+** small and marginal farmers
- **349** Frontline Demonstrations established. Productivity levels of various crops improved by **16%** and a substantial increase in profit by up to **47%**
- **6** threshing yards constructed.

Water Resource Management

- Watershed development program covering over **162** villages, benefitting **54000** families
 - Cropping intensity increased and change in cropping pattern has been witnessed in all watershed areas with new and improved technologies.
 - **24180** ha total surface area benefitted
 - **13120** lakh litres of water has been harvested through various water conservation and harvesting measures undertaken across various projects in the villages.
 - **22** cattle tanks, **3** drinking water wells, **4** sanitation complexes and **15** water ATMs have been established.
 - **78000+** plantations made in the watershed zones under agro-forestry and agro-horticulture
- Renewable Energy
- **320** solar streetlights have been installed.

Economy

Agri-Business and Livelihood Promotion

- **195** FPOs across **52** Districts, **247** Blocks, **2706** villages **116575** Farmers Enrolled with the share capital to the tune of INR **93** Lakhs
- **370** women were facilitated with loans for Income Generating Programs to establish micro-enterprises in the villages to the tune of INR **1.11** crores

Education & Empowerment

Training & Capacity Building

- **13800+** trainees benefitted through **700+** training programs on Natural Resource Management, Livelihoods Development, Agricultural Technologies, Agricultural Business, and Food Safety..
- **39** Village Watershed Committees with **580** members formed and developed.
- **72** women self-help groups (SHGs) formed with **1525** members.
- Members from **300+** SHGs trained under various programs.

Research & Testing Services

- **5281** samples have been tested for soil, irrigation water, heavy metals; manures and compost and **473** food samples have been tested through the accredited state of the art Laboratory at NAF.
- **48** students have undertaken internship programs with NAF R&D

Rural Education

- **26** schools have been covered under infrastructure upgradation including renovation, smart class establishment and improved sanitation facilities.



WATERSHED DEVELOPMENT DIVISION: CSR PROJECTS

Watershed management, also known as water resources management, is a comprehensive approach to managing and protecting water resources within a specific geographic area called a watershed or a catchment. A watershed is an area of land where all the water that falls or flows within it eventually drains into a common outlet, such as a river, lake, or ocean.

The main goal of watershed management is to balance the various needs and demands for water resources while ensuring their sustainable use for the present and future generations. This approach recognizes the interconnectedness of waterbodies, ecosystems and human activities within the watershed.

Watershed management interventions such as soil and water conservation (SWC) and water harvesting are crucial to improving the natural assets of an area. As a result, there will be an increase in overall biomass, productivity, cropping frequency, irrigation sources, livestock, livelihoods opportunity etc., all which are crucial to building a sustainable ecosystem in rural India.

NAF has been in the forefront on watershed projects as a part of its Natural Resource Conservation program which is an important component in its comprehensive rural development initiatives. The watershed Program is strategized on a comprehensive integrated Community Development approach integrating areas such as soil and land management, water management, afforestation, pasture land development, agriculture development, livestock management, livelihood support and enhancement, community empowerment to target effective holistic development of rural communities on a sustainable basis.

Watershed management is a holistic concept, which tries to achieve the best possible balance in the ecosystem between natural resources on the one side, and human and other living beings on the other. NAF applies a multidisciplinary & multi-sectoral approach, using scientific knowledge from different fields and a combination of technologies, strategies, and techniques to create maximum possible benefit to the stakeholders.

The following is the summary of the projects that are being implemented in different states of India.

Summary of Watershed Projects Supported by CSR Partners

S No	Name of the Project	District & State	No of villages covered	Total Area Benefitted (Ha)	No. of Beneficiaries	Funding Partner
1	Integrated Village Development Project-Sujal	Chengalpattu, Tamilnadu	3	216	1,661	L&T Technology Services Limited-LTTS
2	Integrated Watershed Management Project – Neerotam	Chengalpattu, Tamilnadu	4	76	1,640	L&T Technology Services Limited-LTTS
3	Integrated Village Development Project-Sujal Plus	Chengalpattu, Tamilnadu	3	-	840	L&T Technology Services Limited-LTTS
4	Water Resource Development Project - Pachchyankuppam	Cuddalore District, Tamilnadu	1	-	260	Asian Paints Limited -APL
5	Integrated Water Resource Development Project - Godandaramapram	Cuddalore District, Tamilnadu	1	61	250	Asian Paints Limited -APL
6	Integrated Water Resource Development Project - Agaragarathu Lake	Cuddalore District, Tamilnadu	1	63	810	Asian Paints Limited -APL
7	Agro Forestry Plantation - Cuddalore	Cuddalore District, Tamilnadu	4	-	-	Asian Paints Limited -APL
8	Integrated Water Resource Development Project - Sriperumbudur	Kancheepuram, Tamilnadu	5	189	1565	Asian Paints Limited -APL
9	Rejuvenation of Alangudi Temple Pond	Pudhukottai, Tamilnadu	1	-	-	Asian Paints Limited -APL
10	Water Resource Development Project - Mysuru	Mysuru, Karnataka	8	272	2,706	Asian Paints Limited -APL
11	Integrated Water Resource Management Project- Vavilal	Sanga Reddy, Telangana	3	570	2,127	Asian Paints Limited -APL
12	Water Resource Development Project -Kasna	Kasna, Uttar Pradesh	4	300	25755	Asian Paints Limited -APL
13	Water Resource Development Project - Gandhara	Rohtak, Haryana	1	120	350	Asian Paints Limited -APL

14	Water Resource Development Project -Nonand	Rohtak, Haryana	1	26	70	Asian Paints Limited -APL
15	Rain Water Harvesting Structures Maintenance Project	Rohtak, Haryana	1	-	-	Asian Paints Limited -APL
16	Comprehensive Village Development Project -Nallur-CSR	Chengalpattu Tamilnadu	1	17	186	Bank of New York Mellon -BNYM
17	Comprehensive Village Development Project - Nallur-CAF	Chengalpattu Tamilnadu	3	25	160	Bank of New York Mellon -BNYM
18	Urban Green Cover Enhancement Project - Phase - 1	Chennai, Tamilnadu	-	-	-	Bank of New York Mellon -BNYM
19	Urban Green Cover Enhancement Project - Phase - 2	Chennai, Tamilnadu	-	-	-	Bank of New York Mellon -BNYM
20	Installation of RO Water Treatment Plant	Chennai, Tamilnadu	-	-	-	Bank of New York Mellon -BNYM
21	Upgradation of Government Primary School - Manjarwadi	Satara Maharashtra	1	8.1	52	Bank of New York Mellon -BNYM
22	Comprehensive Village Development Project -Manjarwadi	Satara Maharashtra	1	23	26	Bank of New York Mellon -BNYM
23	Community Watershed Project - Madhapur	Yadadri Bhuvanagiri, Telangana	4	65509	2874	Novartis
24	Community Watershed Project - Solakpalle	Sanga Reddy, Telangana	6	-	3933	Novartis
25	Integrated Watershed Community Development Program	Mysuru, Karnataka	6	347	751	LTIMindtree
26	School Infrastructure Renovation	Mysuru, Karnataka	6	-	1241	LTIMindtree
27	Integrated Community Development Project	Coimbatore, Tamilnadu	4	35	51	Larsen & Toubro - L&T
28	Jal Aadhar Development and Climate Action - Badhur	Thiruvanamalai, Tamilnadu	6	243	3830	Tata Capital Housing Finance Limited -TCHFL
29	Jal Aadhar Development and Climate Action - Mamandur	Thiruvanamalai, Tamilnadu	6	252	3843	Tata Capital Housing Finance Limited -TCFHL

Project Name : Integrated Village Development Project- SUJAL

Location : Puriyambakkam, Tamilnadu

CSR Partner : L&T Technology Services (LTTS)



Key Achievements of the Project

- 1,661 beneficiaries have been impacted through various activities across 3 project villages in Puriyambakkam, Pazhavur and Perunkaranai.
- 216 hectares have been benefitted through watershed interventions improving the overall water and soil conditions in the region.
- 34080 kiloliters of water harvested during the last year through various water harvesting structures.
- 10000 cum of channel clearance activity has been done across 3 project villages.
- 4500 plantations have been planted in the project area to increase the green cover
- A total of 14 trainings and exposure visits have been conducted benefitting 887 farmers across 3 villages.
- 2 threshing yards have been constructed for the benefit of 120 farmers.
- 30 SHG women were benefitted from the Aari, hand work and embroidery training.



Project Name : Integrated Village Development

Project- SUJAL Plus

Location : Puriyambakkam, Tamil Nadu

CSR Partner : L&T Technology Services (LTTS)



Key Achievements of the Project

- 840 beneficiaries have been impacted through various activities across 3 project villages in Puriyambakkam, Pazhavur and Perunkaranai.
- 1300 cum of channel clearance activity has been done across 2 project villages.
- 20 women benefitted through the Income Generating program through SHGs
- 1 veterinary Camp was conducted benefitting 65 farmers
- 3 Nos drinking water well sources has been covered by protective well covers benefitting 150 households across 3 villages.
- Sustainable drinking water sources has been created in the 3 project villages to benefit the village community to access safe drinking water throughout the year.
- 3 cattle tanks with rub stone were constructed benefitting 180 farmers.
- 16 solar street lights were installed in areas with no electrification benefitting 240 households.
- 2 Smart classrooms were set up in government schools to improve the quality of education benefitting 170 students.

**Project Name: Integrated Watershed Management Project
Neerotam Project**

Location: Puthur, Tamilnadu

CSR Partner: L&T Technology Services (LTTS)



Key Achievements of the Project

- 4 villages and 1640 beneficiaries have been impacted through various project interventions
- 76 hectares have been benefitted through watershed interventions improving the overall water and soil conditions in the region
- 1 death ritual building has been constructed for the benefit of 150 families
- 2 cattle tanks with rub stone have been constructed benefitting 300 cattle in the villages
- 5000 horticulture plantations have been distributed to 227 households in the villages to improve their long-term income and provide food security.
- 6000 agro forestry plants have been distributed to 320 households in the project area to increase the green cover
- 1 threshing yard has been constructed benefitting 25 farmer families
- 3 trainings have been conducted benefitting 142 farmers
- 14 women have benefited from Livelihood Support through SHGs
- 20 farmers adopted traditional varieties of Paddy Cultivation
- 200 green manure kits and 75 fodder kts were provided to the farmers benefitting 275 farmers.
- 8480 kiloliters of water harvested during the last year through various water harvesting structures.
- 500 cum of channel clearance activity has been done across 3 project villages.



Project Name : Integrated Water Resource Development Project
Location : Pachayankuppam, Cuddalore District, Tamilnadu
CSR Partner : Asian Paints Limited (APL)



Key Achievements of the Project

- 2 Ponds were rejuvenated to the tune of 2,650 Cum benefitting 260 families in Pachayankuppam village.
- Increase in the water harvesting potential of the pond by 2050 KL
- Restoring the pond for domestic water requirement to the villagers of Pachyankuppam village.
- Restoring the pond to its former cultural significance, benefitting the temple devotees
- Enhanced strength of Water Body Embankments to ensure sustainability
- Restoration of pond ecosystem and prolonger water availability for the village residents
- Additional Potential Created in KL 1350 KL for Pachayankuppam Pond 1
- Additional Potential Created in KL 700 KL for Panchayankuppam Pond 2



Project Name : Integrated Water Resource Development Project
Location : Godandaramapuram, Cuddalore District, Tamilnadu
CSR Partner : Asian Paints Limited (APL)



Key Achievements of the Project

- Increase in the water harvesting potential of the pond by 19483 KL
- Satisfying the domestic water requirement of surrounding 7 villages impacting around 2800 people and 61 hectares of agricultural land.
- Satisfying the drinking water requirement for cattle in the villages
- Enhanced strength of Water Body Embankments to ensure sustainability
- Increase in ground water recharge, thereby improving the borewell yield for irrigation purpose
- Creation of Miyawaki forest through Agro forestry plantations provide biodiversity restoration in the area, benefitting and diversifying the flora and fauna of the region.
- Agro forestry plantations provide hamlet for birds, thereby promoting birdwatching and increasing the aesthetic appeal of the lake.
- Improving carbon sequestration of capacity upto 1 tonne per year, when the plantations are fully grown.



Project Name : Integrated Water Resource Development Project
Location : Agaragarathu, Cuddalore District, Tamilnadu
CSR Partner : Asian Paints Limited (APL)



Key Achievements of the Project

- Increase in the water harvesting potential of the pond by 22172 KL
- Satisfying the water requirement of surrounding 8 villages impacting around 6000 people.
- Domestic water requirement and water accessibility will improve post intervention
- Enhanced strength of Water Body Embankments to ensure sustainability
- Increase in ground water recharge, thereby improving the borewell yield for irrigation purpose
- 100 Agro forestry plantations provide biodiversity restoration in the area, benefitting flora and fauna of the region.
- Improved ecosystem services to the farming community in the vicinity of the lake.
- 150 acres of encroached lake has been cleared and rejuvenated

Project Name : Agro Forestry Plantation Project
Location : Cuddalore District, Tamilnadu
CSR Partner : Asian Paints Limited (APL)



Key Achievements of the Project

- Increase in the water harvesting potential of the pond by 22172 KL
- Satisfying the water requirement of surrounding 8 villages impacting around 6000 people.
- Domestic water requirement and water accessibility will improve post intervention
- Enhanced strength of Water Body Embankments to ensure sustainability
- Increase in ground water recharge, thereby improving the borewell yield for irrigation purpose
- 100 Agro forestry plantations provide biodiversity restoration in the area, benefitting flora and fauna of the region.
- Improved ecosystem services to the farming community in the vicinity of the lake.
- 150 acres of encroached lake has been cleared and rejuvenated



Project Name : Water Resource Development Project
Location : Mysuru, Karnataka
CSR Partner : Asian Paints Limited (APL)



Key Achievements of the Project

- 8 villages and 2,706 beneficiaries have been impacted through various project interventions
- 272 hectares have been benefitted through watershed interventions improving the overall water and soil conditions in the region
- 6 waterbodies have been rejuvenated benefitting 370 Ha and 155 families with 800 trees planted on the boundary of the waterbodies.
- 6 cattle tanks with rub stone have been constructed benefitting 380 farmers in the villages
- 2500 horticulture plantations have been distributed to households in the villages to improve their long-term income and provide food security.
- 1750 agro forestry plants have been planted in the project area to increase the green cover
- 1 threshing yard has been constructed benefitting 30 farmer families
- 75 farmers benefitted from the Comprehensive soil health analysis and distribution of fodder kits
- 3 vermi compost units and 6 Azolla units and 45 proper composting units were set up to benefit the farmers
- 7 cattle camps were conducted benefitting 418 farmers and improving the health and reducing disease of livestock in the project villages
- 76 trainings have been conducted benefitting 792 farmers
- 293338 kiloliters of water harvested during the last year through various water harvesting structures



Project Name : Integrated Water Resource Management Project
Location : Sriperumbudur, Tamilnadu
CSR Partner : Asian Paints Limited (APL)



Key Achievements of the Project

- 60240 kiloliters of water have been conserved through pond rejuvenation activity, benefitting 1565 household beneficiaries.
- 10 waterbodies including village ponds, cattle ponds, temple ponds have been rejuvenated for water conservation and harvesting
- 7 training and exposure programs have been conducted and 133 beneficiaries have been trained and benefitted from awareness programs



Project Name: Integrated Water Resource Management Project
Location: Vavilala, Sanga Reddy District, Telangana
CSR Partner: Asian Paints Limited (APL)



Key Achievements of the Project

- 3 villages and 2,127 beneficiaries have been impacted through various project interventions 570 hectares have been benefitted through watershed interventions improving the overall water and soil conditions in the region
- 5 cattle tanks and in that one water body furnished with rub stone have been constructed benefitting 380 farmers in the villages
- 100 farmers benefitted from the Comprehensive soil health analysis and 30 farmers from distribution of fodder kits
- 204 farmers benefitted from various soil conservation technologies and have experienced better yield and crop after implanting these technologies.
- 30 farmers benefitted from FLDs in Paddy and 10 farmers benefitted from FLDs in Vegetable crops, improving awareness, crop yield,
- 3 cattle camps were conducted benefitting 55 farmers and 642 animals and improving the health and reducing disease of livestock in the project villages
- 24 trainings have been conducted benefitting 499 farmers
- 62950 kiloliters of water harvested during the last year through various water harvesting structures



Project Name: Water Resource Development
Location: Kasna, Uttar Pradesh
CSR Partner: Asian Paints Limited (APL)



Key Achievements of the Project

- Increase in the capacity of Ponds by 20,357 kl and thereby augmenting the groundwater level around the Ponds
- 240 acres have benefitted from waterbodies rejuvenation to the tune of 14,250 Cum benefitting 24,100 beneficiaries
- Increase in the capacity of Ponds directly and indirectly irrigating around 240 acres of agricultural field.
- Total 4500 beneficiaries and 400 students across the project intervention villages have been impacted through project interventions
- 72 training programs have been conducted and 1590 beneficiaries have been trained and benefitted from awareness programs
- 4000 trees were planted around the waterbodies to increase the green cover and improve the biodiversity in the region.
- 25 Ha were brought under LEAN farming technologies benefitting the farmers
- 20,357 litres of water were harvested through various waterbodies after rejuvenation



Project Name: Water Resource Development
Location: Kasna, Uttar Pradesh
CSR Partner: Asian Paints Limited (APL)



Key Achievements of the Project

- Increased quality of water, increased storage capacity of waterbody.
- Total 420 families across the project intervention village have been impacted through project intervention both directly and indirectly
- Increased supply of river water directly irrigating 26 hectares of agricultural field.
- Awareness programs have been conducted on water conservation and efficient water usage to villagers and government school students.



Project Name: Comprehensive Village Development Project
Location: Nallur, Tamilnadu
CSR Partner: Bank of New York Mellon (BNYM)



Key Achievements of the Project

- 1 pond has been rejuvenated to the tune of 5250 cum benefitting 160 families.
- 17 hectares of land has been benefitted due to the created water harvesting structures.
- Fencing for Anganwadi school has been constructed creating a secure environment benefitting 26 children.



Project Name: Comprehensive Village Development Project
Location: Nallur, Tamilnadu
CSR Partner: Bank of New York Mellon (BNYM), CAF



Key Achievements of the Project

- 1 pond has been rejuvenated to the tune of 3750 cum benefitting 75 households.
- 25 hectares of land has been benefitted due to the created water harvesting structures.
- 2 threshing yards have been constructed benefitting 85 farmer households



**Project Name: Urban Green Cover Enhancement
Project – Phase I &II
Location: Velachery, Chennai, Tamilnadu
CSR Partner: Bank of New York Mellon (BNYM)**



Due to this greening and beautification project under the MRTS stations, the following benefits to the public have been realized.

- Parking with walking slot is available for the people using the facilities
- A beautiful and aesthetic environment has been created for the public to enjoy within the city limits
- Elimination of encroachment and waste disposal due to greening initiative and walking path for the public.



**Project Name: Installation of RO Water Treatment Plant
Location: Vedanthangal Bird Sanctuary, Chennai, Tamilnadu
CSR Partner: Bank of New York Mellon (BNYM)**



An RO Water Treatment plant has been installed inside the Vedanthangal Bird Sanctuary benefitting scores of visitors to the sanctuary.



Project Name: Upgradation of Government Primary School Project

Location: Manjarwadi, Maharashtra

CSR Partner: Bank of New York Mellon (BNYM)



BNY MELLON

Key Achievements of the Project

- The NRM interventions of Check dam repairing work have rejuvenated water to the tune of 5154 cum.
- The Government school has been upgraded with new compound wall, classrooms, smart class, boards, lawn and playground, handwash station, toilet complex, kitchen room set up etc benefitting the school children and teachers.



Project Name: Comprehensive Village Development Project

Location: Manjarwadi, Maharashtra

CSR Partner: Bank of New York Mellon (BNYM)



BNY MELLON

Key Achievements of the Project

- The NRM interventions of Check dam construction and repair have helped to harvest water upto 14423 KL, benefitting 23 ha of agricultural land.



Project Name: Community Watershed Project
Location: Sollakpalle, Telangana
CSR Partner: Novartis



Key Achievements of the Project

- 6 village and 3,933 beneficiaries have been impacted through various project interventions
- Construction of 1 overhead water storage tank with 30 KL capacity benefitting 360 families
- 152467 kiloliters of water harvested during the last year through various water harvesting structures benefitting an area about 282 acres.
- 15 vermi compost tanks were constructed as models to train farmers benefitting the farming community.
- A total of 86 trainings and exposure visits have been conducted benefitting 1970 farmers across 6 villages
- 4 farmers clubs have been formed and knowledge gaps in agriculture has been addressed through various trainings, field days and demonstrations benefitting over 100 farmers
- 530 farmers have had their soil tested under the comprehensive soil health analysis initiative and benefitted from customized recommendations during the crop season.
- 200 fodder kits were distributed to the farmers to help them address the fodder requirements of their animals in the village.
- 4 Self Help groups have been formed and the women trained in finance and book keeping, apart from various exposure visits to address their entrepreneurial requirements.
- 3500 Agro Forestry and Agro Horticulture plants were planted in the villages to increase the green cover.
- 100 solar street lights have been installed in areas where there is no electrification in the villages.



Project Name: Community Watershed Project
Location: Madhapur, Telangana
CSR Partner: Novartis



Key Achievements of the Project

- 14 village and 2874 beneficiaries have been impacted through various project interventions
- 2 toilets were constructed to provide sanitation facilities benefitting 121 school students
- 32500 kiloliters of water harvested during the last year through various water harvesting structures benefitting an area about 492 acres.
- A total of 19 trainings and exposure visits have been conducted benefitting 447 farmers across 14 villages
- 6 farmers clubs have been formed and knowledge gaps in agriculture has been addressed through various trainings, field days and demonstrations benefitting over 120 farmers
- 350 farmers have had their soil tested under the comprehensive soil health analysis initiative and benefitted from customized recommendations during the crop season.
- 4 Self Help groups have been formed and the women trained in finance and book keeping, apart from various exposure visits to address their entrepreneurial requirements.
- 100 solar street lights have been installed in areas where there is no electrification benefitting 1000 households



Project Name: Integrated Watershed Community Development Program
Location: Nanjangud, Mysuru, Karnataka
CSR Partner: LTI Mindtree



Key Achievements of the Project

- 4 waterbodies have been rejuvenated to the tune of 12960 Cum creating water harvesting potential of 12960 KL benefitting 5 villages and 390 no of farmers.
- 239 no of acres of agricultural land have been benefitted from the rejuvenation of these water bodies.
- 6 check dams totally 22219 CUM created and 22219 KL potential to be harvested
- 6 check dams have been constructed to benefit the farming community and to harvest the water leading to increase in the ground water table with improvement upto 153.88 (Avg depth) ft in the surrounding bore wells.
- 5 channels have been cleared to the tune of 8884 Cum benefitting 191 no of farmers in 5 villages



Project Name: School Infrastructure Renovation
Location: Nanjangud, Mysuru, Karnataka
CSR Partner: LTI Mindtree



Key Achievements of the Project

Various facilities have been created for the school to promote safety, hygiene and safe drinking water for the school children in the village. The school has been secured with a compound wall, toilet complex has been constructed for the benefit of the children and teachers with adequate water facility in the toilets. A hand wash station and syntex tank for drinking water has been installed in the campus.



Project Name: Integrated Community Development Project
Location: Coimbatore, Tamil Nadu
CSR Partner: Larsen and Toubro (L&T)



Key Achievements of the Project

- One 12M check dam has been constructed benefitting 20 acres of agricultural land in the region.
- 1 Farm Pond has been created to benefit 15 acres of agricultural land with a water harvesting potential of 1562 KL



Project Name: Jal Aadhar Development and Climate Action - Badhur
Location: Vandavasi, Tamilnadu
CSR Partner: Tata Capital Housing Finance Limited (TCHFL)



Key Achievements of the Project

- 6 villages have benefitted from interventions in Natural Resource Management, Agricultural Development, Livelihood Promotion and Training and Capacity building impacting 6817 people and 1360 households
- Total area benefitted under the project is 1622 hectares (end of 2025)
- 243 hectares have been covered under various land and soil treatments (22-23)
- 6000 plants have been sustained under the Agro forestry and agro Horticulture plantation initiative
- 7 Village Watershed Committees (VWCs) have been formed with a membership of 117 members and a total contribution amount of INR 60,000/-
- 24 Self Help Groups have been formed and trained, with a membership of 360 members.
- Total 16 women have benefitted from various Livelihood Generation activities through financial assistance
- Total livelihood support given through the project is INR 2,97,000/-
- 59.5 lakh litres have been conserved through various water harvesting structures cumulatively
- 712 School children have benefitted through various interventions
- 850 cattle have benefitted from timely veterinary camps and regular vaccination
- 213 Women benefitted directly through trainings, knowledge management and livelihood support



Project Name: Jal Aadhar Development and Climate Action - Mamandur

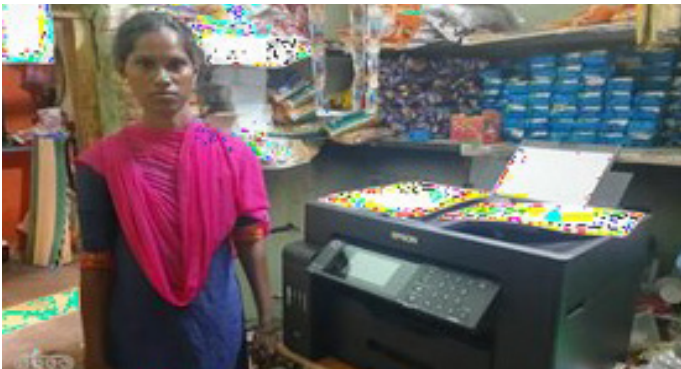
Location: Vandavasi, Tamilnadu

CSR Partner: Tata Capital Housing Finance Limited (TCHFL)



Key Achievements of the Project

- 6 villages have benefitted from interventions in Natural Resource Management, Agricultural Development, Livelihood Promotion and Training and Capacity building impacting 15341 people and 6817 households
- Total area benefitted under the project is 1843 hectares
- 252 hectares have been covered under various land and soil treatments
- 4000 plants have been sustained under the Agro forestry and agro horticulture plantation initiative
- 6 Village Watershed Committees (VWCs) have been formed with a membership of 90 members and a total contribution amount of INR 62,000/-
- 32 Self Help Groups have been formed and trained, with a membership of 845 members.
- Total 18 women have benefitted from various Livelihood Generation activities through financial assistance
- Total livelihood support given through the project is INR 3,00,000/-
- 52 lakh litres have been conserved through various water harvesting structures cumulatively
- 551 School children have benefitted through various interventions
- 2388 cattle have benefitted from timely veterinary camps and regular vaccination
- 298 Women benefitted directly through trainings, knowledge management and livelihood support



Project Name: Water Body Rejuvenation Project

Location: Vandavasi, Tamilnadu

CSR Partner: Tata Capital Housing Finance Limited (TCHFL)



Key Achievements of the Project

- A total of 6 water bodies have been rejuvenated to the tune of 1,00,645 Cum with a water harvesting potential of 807 KL benefitting 9 villages
- Total Area benefitted from the rejuvenation of these water bodies are 360 Ha of agricultural land benefitting 10,000 farmers.



Project Name: Water Resource Development Project - Nathamedu
Location: Nathamedu, Tamilnadu
CSR Partner: World Wide Logistics (WWL)



Key Achievements of the Project

- Additional Water Harvesting Potential created 3750 cum
- 242 Families Benefitted from this activity
- 80 Acres of agricultural land has benefitted due to water availability
- 650 Domestic animals have been benefitted having access to drinking water even in summer months.



Project Name: Water Resource Development Project-Keerapakkam
Location: Keerapakkam, Tamilnadu
CSR Partner: KLA



Key Achievements of the Project

- 1 waterbody has been rejuvenated to the tune of 2340 cum with water harvesting potential of 2340 KL
- 120 trees have been planted on the bunds of the waterbody to restore the ecological services in the region.
- 78 hectares of agricultural land has been benefitted from the rejuvenation of this waterbody.



Project Name: Lake Rejuvenation Project-Oragadam
Location: Oragadam, Tamilnadu
CSR Partner: Renault Nissan Automotive India Private Limited -RNAIPL



Key Achievements of the Project

- 1 large waterbody has been rejuvenated to the tune of 1,02,002 cum with water harvesting potential of 1.2 lakh KL
- Two mud heaps have been created to draw the birds to the waterbody providing ecological services to the region and restoring the biodiversity.



NAF has been undertaking watershed development projects with the grant assistance from NABARD and Corporate Partners under CSR support on 50:50 fund sharing basis. The following is the summary of the projects that are being implemented through various collaborations.

Projects in Full Implementation Phase Supported by NABARD & CSR Partners

S. No.	Funding Partner	Name of the Project	District & State	No. of villages covered	Total Area (Ha)	No. of Families Benefitted	Current Status
1	NABARD & Bannari Amman Sugars	KN Palayam WDF Project	Erode, TN	5	1161.2	3178	Ongoing
2	NABARD & Bannari Amman Sugars	Melpennathur WDF Project	Thiruvannamalai, TN	4	1346.9	3337	Ongoing
3	NABARD & The Rotary Club of Madras Coromandel	Kuppachiparai WDF Project	Krishnagiri, TN	8	1182.87	2736	Completed
4	NABARD	Pulleri WDF Project	Chengalpattu, TN	11	1079	2042	Ongoing
5	NABARD & TITAN	Kotteri WDF Project	Cuddalore, TN	5	918.35	1664	Completed
6	NABARD & TITAN	Thandakarankuppam WDF Project	Cuddalore, TN	5	947.73	2725	Ongoing
7	NABARD & TITAN	Kolathankurichi WDF Project	Cuddalore, TN	5	921.72	2328	Completed
8	NABARD & TITAN	Narumanam WDF Project	Cuddalore, TN	4	984.31	5668	Completed

**KN Palayam WDF Project In Erode District, Tamilnadu
Supported by NABARD and Bannari Amman Sugars Pvt. Ltd.**

Key Achievements during the year:

- Loan assistance to 44 deserving women SHG members was provided.
- 360.26 hectares of land was treated through the project interventions.
- 1,795-man days was generated through various NRM activities.
- 19 agri- based training and demonstrations were conducted.
- INR 41,297 was collected as Maintenance fund during the year.
- 15 farm ponds were excavated during the year.
- 866 lakh litres of rainwater have been conserved through water harvesting structures.



**Melpennathur WDF Project In Tiruvannamalai District, Tamilnadu
Supported by NABARD and Bannari Amman Sugars Pvt. Ltd.**

Key Achievements During the year:

- 2 women self-help groups were newly formed and loan assistance to 44 deserving women SHG members was provided.
- 552.2 Ha of land was treated through the project interventions.
- 2,396-man days was generated.
- Ten agri- based training and demonstration was conducted.
- INR 4,09,988 was collected as maintenance fund during the year.
- 10,370 forestry saplings and 14,343 horticulture saplings were planted within the watershed boundary covering 177 acres of land.
- 928 lakh litres of rainwater have been conserved through water harvesting structures.





Kuppachiparai WDF Project In Krishnagiri District, Tamilnadu Supported by The Rotary Club of Madras Coromandel under Public Private part nership (PPP) program with 50% financial support from NABARD

Key Achievements During the year:

- 3 women self-help groups were newly formed and loan assistance to 43 deserving women SHG members was provided.
- 202 Ha of land was treated through the project interventions.
- 1635-man days was generated for the implementation of project activities.
- 19 agri- based training and demonstration was conducted to benefit 168 farmers.
- INR 81,790 was collected as Maintenance fund during the year.
- 2074 saplings were planted within the watershed boundary.
- 482 lakh litres of rainwater have been conserved through water harvesting structures.



Key Achievements During the year:

- 3 women self-help groups were newly formed and loan assistance to 43 deserving women SHG members was provided.
- 202 Ha of land was treated through the project interventions.
- 1635-man days was generated for the implementation of project activities.
- 19 agri- based training and demonstration was conducted to benefit 168 farmers.
- INR 81,790 was collected as Maintenance fund during the year.
- 2074 saplings were planted within the watershed boundary.
- 482 lakh litres of rainwater have been conserved through water harvesting structures.

WDF Projects In Cuddalore District, Tamilnadu Supported by Titan and NABARD

Thandakarankuppam, Kolathankurichi, Kotteri and Narumanam watersheds in Cuddalore district are being supported by Titan under its CSR initiatives and NABARD on 50:50 fund sharing basis.

WDF Project in Kotteri, Tamilnadu:
Key Achievements During the year:

- 144.43 Ha of project area was covered during the year.
- Loan assistance to 36 deserving women SHG members was provided.
- 4047-man days was generated for the implementation of project.
- 16 agri- based training and demonstration was conducted benefitting 415 farmers.
- INR 3,22,015 was collected as maintenance fund during the year.
- 559 lakh litres of rainwater have been conserved through water harvesting structures.


WDF Project in Narumanam, Tamilnadu:
Key Achievements During the year:

- 156.67 Ha of project area was covered during the year.
- Loan assistance to 48 deserving women SHG members was provided.
- 568-man days was generated for the implementation of project.
- 19 agri- based training and demonstration was conducted benefitting 455 farmers.
- INR 30,258 was collected as maintenance fund during the year.
- 442 lakh litres of rainwater have been conserved through water harvesting structures.

WDF Project in Thandakarankuppam, Tamilnadu:

Key Achievements During the year:

- 156.67 Ha of project area was covered during the year.
- Loan assistance to 48 deserving women SHG members was provided.
- 568-man days was generated for the implementation of project.
- 19 agri- based training and demonstration was conducted benefitting 455 farmers.
- INR 30,258 was collected as maintenance fund during the year.
- 442 lakh litres of rainwater have been conserved through water harvesting structures.



WDP Project in Kolathankurichi, Tamilnadu:

Key Achievements During the year:

- 189 Ha of project area was covered during the year.
- 6 new women SHGs were formed and loan assistance worth INR 17,90,000 to 58 deserving women SHG members was provided.
- 3548-man days was generated for the implementation of project.
- 16 agri- based training and demonstration was conducted benefitting 417 farmers.
- INR 19,557 was collected as maintenance fund during the year.
- 672 lakh litres of rainwater have been conserved through water harvesting structures.





KfW Soil Rehabilitation & Climate Change Adaptation Projects Supported by NABARD:

NABARD had sanctioned the “Soil Rehabilitation & Climate Change Adaptation Project” in six existing WDF project locations in the year 2021. The project aims to promote the following interventions:

- Soil and Water conservation measures.
- Soil fertility & productivity enhancement measures.
- Sustainable NRM, CCA farming practices and food security.
- Measures to mitigate climate risks.
- Capacity building and institutional strengthening measures.
- Watershed level knowledge management & documentation.

Projects Supported by NABARD and KfW							
S. No	Funding Partner	Name of the Project	District & State	No. of villages covered	Total Area (Ha)	No. of Families Benefitted	Current Status
1	NABARD	KN Palayam KfW Soil Project	Erode, TN	5	1178	3178	Ongoing
2	NABARD	Kuppachiparai KfW Soil Project	Krishnagiri, TN	8	982.27	2736	Ongoing
3	NABARD	Kotteri KfW Soil Project	Cuddalore, TN	5	1079.8	1664	Ongoing
4	NABARD	Thandakarankuppam KfW Soil Project	Cuddalore, TN	5	869.3	2725	Ongoing
5	NABARD	Kolathankurichi KfW Soil Project	Cuddalore, TN	5	975.1	2328	Ongoing
6	NABARD	Narumanam KfW Soil Project	Cuddalore, TN	4	916.2	5668	Ongoing



K.N.Palayam KfW Soil Project Achievements during the year:

- Four well recharge pits were constructed.
- 405 bamboo saplings and 2850 vetiver slips were planted within the watershed boundary.
- Soil health card was distributed to 667 farmers.
- Farm Yard Manure was produced and applied in 70 acres of agriculture land.
- 200 acres of land was applied with Azospirillum biofertilizer.
- 25 vermi compost units were constructed.
- Intercropping with pulses in horticulture land was promoted in 15 acres of land.
- 13 landless beneficiaries were provided with goat as a livelihood option.
- 6 raised bed vegetable pandhal's were installed to promote vegetable cultivation.
- Millet cultivation was promoted in 20 acres of land.
- 13 beneficiaries were provided with honey bee boxes with accessories.
- 37 beneficiaries were provided with 20 native seed variety for kitchen garden establishment.
- 400 farmers in the watershed boundary were included for the dissemination of weather based agro advisory services.
- 16 dairy cattle were insured through the project.
- Totally 12 trainings were provided during the year.



Kuppachiparai KfW Soil Project Achievements during the year:

- 995 nos. of agro forestry saplings and 4460 nos. of agro horticulture saplings were planted.
- 570 Bamboo saplings and 6300 vetiver slips were planted within the watershed boundary.
- Soil health card was distributed to 230 farmers.
- Gypsum was applied in 150 acres of agriculture land.
- 60 acres of land was applied with biofertilizer.
- Intercropping with pulses in horticulture land was promoted in 30 acres of land.
- 20 landless beneficiaries were provided with goats and 25 landless beneficiaries were provided with 20 country chicken each.





- 1 Integrated Farming System model was established in the project area.
- 5 beneficiaries were provided with honey bee boxes with accessories.
- 37 beneficiaries were provided with 20 native seed variety for kitchen garden establishment.
- 400 farmers in the watershed boundary were included for the dissemination of weather based agro advisory services.
- 25 dairy cattle were insured through the project.
- 6 trainings were provided during the year.



Kotteri KfW Soil Project Achievements During the year:

- Cattle ponds with the quantity of 4500 cum was excavated in Kotteri watershed.
- 2500 agro horticulture saplings were planted.
- 275 bamboo saplings and 2250 vetiver slips were planted within the watershed boundary.
- Soil health card was distributed to 366 farmers.
- Farm yard manure was applied in 63.6 acres of agricultural land.
- Green manure was applied to 120 acres of land.
- Intercropping with pulses in horticulture land was promoted in 5 acres of land.
- 145 Integrated Pest Management Parasitoid cards per acre was distributed in the area.
- 20 landless beneficiaries were provided with 20 country chickens each.
- 13 vermi compost units were constructed for the benefit of farmers.
- 1 Integrated Farming System model was established in the project area.
- 5 beneficiaries were provided with honey bee boxes with accessories.
- 20 beneficiaries were provided with 20 native seed variety for kitchen garden establishment.
- 400 farmers in the watershed boundary were included for the dissemination of weather based agro advisory services.
- 25 dairy cattle were insured through the project.
- 7 trainings were provided during the year.



Narumanam KfW Soil Project Achievements During the year:

- A Farm Pond with the quantity of 1,200 cum was excavated.
- 3000 agro horticulture saplings were planted.
- 600 Bamboo saplings and, vetiver slips were planted within the watershed boundary.
- 11 Ha of land was treated with summer plough.
- Soil health card was distributed to 484 farmers.
- Farm Yard Manure was applied in 88 acres of agricultural land.
- Green manure was applied to 100 acres of land.
- SRI Paddy Technique was adopted in 3 acres of irrigated land.
- 67 Integrated Pest Management Parasitoid cards per acre was distributed in the area.
- 25 landless beneficiaries were provided with goat farming and 25 landless beneficiaries were provided with 20 country chickens each.
- 8 vermi compost units were constructed for the benefit of farmers.
- One Integrated Farming System Model was established in the project area.
- 50 beneficiaries were provided with 20 native seed variety for kitchen garden establishment.
- 3,266 fodder tree saplings were raised for distribution to farmers.
- 30 farmers had benefitted by crop insurance through the project.
- 4 trainings were provided during the year.



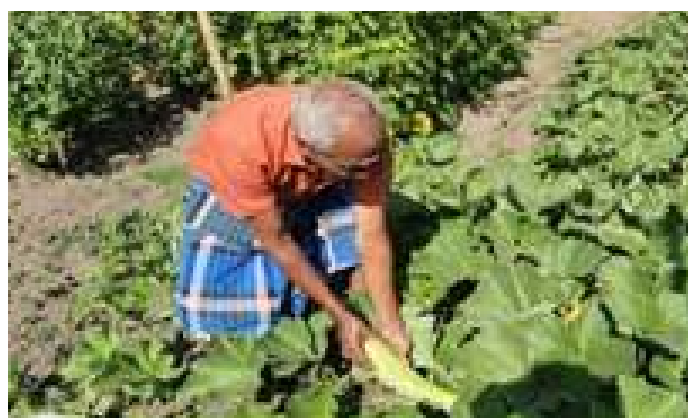
Kolathankurichi KfW Soil Project Achievements During the year:

- 790 Bamboo saplings and 1100 vetiver slips were planted within the watershed boundary.
- Zinc Sulphate was applied in the land of 140 acres during the year.
- Soil health cards were distributed to 316 farmers.
- Farm Yard Manure was applied in 60 acres of agricultural land.
- Green manure was applied in 120 acres of land.
- SRI Paddy Techniques were adopted in 10 acres of irrigated land.
- CC resilient millet cultivation was done in 20 acres of land.
- 30 beneficiaries were provided with 20 native seed variety for kitchen garden establishment.
- 18 dairy cattle were covered under insurance scheme.
- 200 farmers in the watershed boundary were included for the dissemination of weather based agro advisory services.
- 12 trainings were provided during the year.



Thandakarankuppam KfW Soil Project Achievements During the year:

- A cattle pond with the quantity of 3,000 cum was excavated in the common land.
- 1070 bamboo saplings and 1100 vetiver slips were planted within the watershed boundary.
- Zinc sulphate was applied in the land of 75 acres during the year.
- Soil health card was distributed to 446 farmers.
- Farm Yard Manure was applied in 50 acres of agricultural land.
- Green manure was applied to 130 acres of land.
- SRI Paddy Technique was adopted in 3 acres of irrigated land.
- CC resilient millet cultivation was done in 35 acres of land.
- 30 beneficiaries were provided with 20 native seed variety for kitchen garden establishment.
- 35 dairy cattle were covered under insurance scheme.
- 22 farmers had benefitted by crop insurance through the project.
- 400 farmers in the watershed boundary were included for the dissemination of weather based agro advisory services.
- 12 trainings were provided during the year.



Watershed Projects Supported through CSR from Corporate Partners:

Projects Supported by Corporate Partners							
S. No	Funding Partner	Name of the Project	District & State	No. of villages covered	Total Area (Ha)	No. of Families Benefitted	Current Status
1	HDFC Bank	HRDP – Tiruchuli	Virudhunagar, TN	20	8299	8063	Ongoing
2	LIC HFL	HRIDAY	Virudhunagar, TN	8	1848.47	4033	First year completed
3	KONE Elevators	Integrated Development of dryland and irrigated agriculture through watershed development and climate proofing in Kavilipalayam watershed	Erode, TN	4	1504.42	9837	Ongoing
4	TITAN Company	Holistic Environmental and Agricultural Development project	Krishnagiri and Tiruvannamalai, TN	6	3760.34	10972	Ongoing
5	HDFC Bank	HRDP	Bhupalapally, Telangana	19		1325	Ongoing
6	HDFC Bank	Smart school project	Chengalpattu, Cuddalore, Dindigul and Tenkasi in TN; Karaikal in Pondicherry	25		15964	Completed



**Holistic Rural Development Program (HRDP),
Tiruchuli Block, Virudhunagar Supported by HDFC
Bank**

Twenty villages (covering 13 census villages) in Aruppukottai Taluk (Thiruchuli Block) of Virudhunagar district in Tamil Nādu have been covered under the Holistic Rural Development Program (HRDP), Tiruchuli Block, Virudhunagar which is funded by HDFC Bank.



Achievements During the year:

- 4 check dams (4m) and 1 check dam(8m) was constructed during the year.
- Nine different stretches of channels were formed.
- 7 village ponds of total quantity 38,112 m³ were renovated and 9 farm ponds were newly excavated.
- Prosopis juliflora was uprooted and removed in 235 acres of land in the project area.
- 50,000 palm seeds were sowed on the bunds of channel and waterbodies.
- 82 agro forestry and 67 agro horticulture trees were planted in 20 villages.
- 60 trainings on farm techniques were conducted for the benefit of farmers.
- 100 landless beneficiaries were provided with 20 poultry chicks and cage.
- 50 bee keeping units were distributed to the beneficiaries.
- Home garden saplings were provided to 800 beneficiaries.
- Fishlings were provided to 15 farmers to gain additional income.
- 2 anganwadi centres were renovated and upgraded.
- 2 schools were upgraded with smart class facilities.





LIC HFL funded Project - HRIDAY, Tiruchuli Block, Virudhunagar

Eight villages (ten hamlets) have been selected for the implementation of the project. The eight villages selected for the project falls in two panchayats Kuchampatti and Pulikkurichi. These villages are selected based on the potential for creating a change in terms of natural resources augmentation and livelihood development.

Achievements During the year:

- Five villages were provided with RO water plant.
- Home garden was set up in the backyard of 400 households.
- Nutrition garden was created in two schools in the project villages.
- Sports club was formed in two schools with proper sports accessories.
- One anganwadi center was fully renovated and sanitation complex was constructed in a government school.
- Agri based trainings were provided to 240 farmers and 50 demo plots were established.
- 60 farmers were trained to practice organic farming techniques. The required materials was provided to the farmers to promote organic farming.
- Revolving fund assistance was provided to 32 SHG women for goat farming and 30 SHG women for cattle unit with the seed money of INR14,88,000.
- Poultry chicks with cage was provided to 300 landless beneficiaries.
- 35 vine vegetable pandhal were established in the project villages.
- 50 bee keeping units were distributed to the farmers.
- 2000 Horticulture saplings and 3500 multi-purpose trees were planted in the project area.
- 200 acres of land was cleared of Prosopis juliflora.
- 30,000 palm seeds were planted in the common lands within the project boundary.
- Water harvesting structures of total quantity 8600 m3 was created.
- 48 Solar Street lights were installed throughout the project villages.
- Training was provided to 300 SHG women members.





KONE Elevators funded project –Integrated Development of dryland and irrigated agriculture through watershed development and climate proofing in Kavilipalayam watershed.

Achievements During the year:

- Twenty Solar Street lights were installed in the project village.
- One Automatic Weather station was installed to record and forecast weather data.
- One Anganwadi centre was renovated and two government schools were upgraded with smart class facilities.
- Percolation ponds and sunken pond were created for a quantity of 8447 m³ and 250 m³.
- Channel clearance of total quantity 19740 m³ was done.
- Four existing check dams were repaired to bring it back to its full potential.
- Field bund of quantity 1500 m³ was formed in the farm lands of project area.
- 5300 agro forestry saplings and 3700 agro horticulture saplings were planted within the project boundary.
- Fodder development was promoted in the fields of 30 farmers.
- Eight trainings and two exposure visits were conducted during the year.
- 26 demo plots were created for various crops like Brinjal, Ladies Finger, Water melon, maize, etc.
- Thirty-five beneficiaries were provided with Honey bee keeping unit.



Holistic Environmental and Agricultural Development project Supported by TITAN

Achievements During the year:

- Percolation ponds and sunken pond were created for a quantity of 2300 m³ and 500 m³.
- Channel clearance of total quantity 11900 m³ was done.
- 2 masonry check dams were newly created.
- 19 farm ponds of quantity 5700 m³ were created during the year.
- Field bund of quantity 8220 m³ was formed in the farm lands of project area.
- 65,000 vetiver slips were planted in the common lands of project villages.
- 8000 agro forestry saplings and 8000 agro horticulture saplings were planted within the project boundary.
- Fodder development was promoted in the fields of 30 farmers.
- 200 beneficiaries were provided with the home garden seeds and saplings.
- 26 trainings and two exposure visits were conducted during the year.
- Revolving fund assistance was provided to 45 SHG women members for dairy cattle unit and 40 members for goatery with the seed money of INR 30,50,000.
- 45 Backyard poultry units and 70 organic farming input production units were promoted as livelihood component of the project.





**Holistic Rural Development Program (HRDP), Bhupalapally, Telangana State
Supported by HDFC Bank**

Achievements During the year:

- 330 home gardens were established in households of project villages.
- 19 farmer clubs/ VDCs were created.
- Soil health card was provided to 248 beneficiaries.
- Fishing kits were provided to 300 fishermen in the project villages.
- Fishing boats were provided to 19 deserving fishermen.
- 83,333 fishlings were introduced for the fish culture.
- 19 palmyra climbing tool was distributed to the labor who climb palm trees.
- 6 schools were upgraded with smart class facilities.
- 152 solar street lights were installed within the project area boundary.
- 9 government schools were provided with drinking water facility, mini library and school toilet renovation.
- 11 trainings were given on dairy and palmyra based value addition.



HDFC Smart school Project in Tamil Nadu and Pondicherry

Totally, twenty-five schools were chosen for the implementation of smart school project in the districts of Chengalpattu, Cuddalore, Dindigul and Tenkasi at Tamil Nadu and Pondicherry and Karaikal in Pondicherry

Achievements During the year:

- 25 schools were upgraded to have interactive smart class facilities with interior wall painting, false roofing, etc.
- 19 were installed with RO drinking water facility and 11 schools were provided with library.
- New toilets were constructed in 12 schools and existing toilets were also renovated.
- 8 STEM labs were established in government schools.





AGRICULTURAL DEVELOPMENT DIVISION

NAF's Agricultural Development Division functions with the goal to enable our farming communities to adopt the latest technological practices in agriculture and up skill themselves to adapt to the fast-changing environment.

NAF focuses on up skilling through enabling farmers to practice Climate Smart Lean Farming technologies and simultaneously empowering them with necessary business skills, to overcome the challenges posed by global forces and to become profitable. With the latest advancements in farming technologies such as Artificial Intelligence enabled Smart Farms, Integrated Farming Methodologies, Poly-house, Farm Drones, etc., the potential of agriculture becoming the most profitable business in the country is not an exaggerated vision. NAF has been promoting sustainable agriculture through Lean Farming which is a combination of organic, bio and inorganic approach with climate change adaptation and mitigation measures which is economically viable, environmentally safe and ecologically sustainable. These initiatives are undertaken with support from various stakeholders including the Government and Corporate sector agencies. In addition, every effort of our implementation team strives to involve the targeted beneficiaries from the project-planning phase to the project exit phase creating and nurturing a sustainably lasting model.



Areas of Focus

- Promoting Sustainable Agricultural Practices through LEAN Farming Technologies.
- Promoting and nurturing Agri-businesses run by farmers (FPOs).
- Providing advisory and consultancy services to other stakeholders.
- Training, Technology, Extension & Analytical services for Agricultural productivity improvement.
- Empowering the farmers with the knowledge, tools and technologies to improve their livelihoods and tap the maximum potential from the agricultural system.
- Demonstrating and implementing climate smart agriculture to reduce the climate change related vulnerabilities of the farmers by improving their adaptive capacity.

These initiatives are undertaken with support from various stakeholders including the Government and support from Corporate Partners through their Corporate Social responsibility Initiatives.

Overview of Agriculture Projects for the year 2022 - 2023:

Promotion of sustainable agriculture through Lean Farming

NAF is introducing Lean Farming Technologies and crop specific improved methods of cultivation among farmers across the states to ensure that farming is a profitable venture for the farmers. NAF ensures that there is judicious use of natural resources, while maintaining the ecological balance to ensure that farmers earn a healthy income on one hand while maintaining the balance in soil and water conservation on the other. NAF also trains the farmers on preparation of vermicompost, panchakavyam, azolla which are organic manures, thereby reducing the dependence on chemical fertilizers and pesticides and reducing the input costs to the farmers. Green manuring and proper composting methods are introduced to improve soil health. Tree planting is included in almost all the projects to increase green cover as a climate resilient initiative. Farm machineries have been introduced to reduce cost of cultivation and tide over labor scarcity through farmer support groups formed in the villages. Trainings on water management to increase water use efficiency by introducing micro irrigation system, SRI method of cultivation, minimizing water wastage during irrigation are also imparted. These agri components are included in all the watershed projects and being executed by agriculture development division. For the current year, the following sustainable agriculture initiatives are being undertaken.



Key activities under different agriculture projects are given below:

Sl no	Name of the Project	CSR Partner	Project villages	District	State
1	Sustainable Agriculture	Apollo Tyres Foundation	Mathur	Kancheepuram	Tamil Nadu
2	Integration of Lean farming and mechanization in Paddy Cultivation	Oerlikon Friction Systems (I) Ltd.	Kidiripettai, Neikuppam and Poosivakkam	Kancheepuram	Tamil Nadu
3	Water Resource Development project	Asian Paints Limited	Mahepa Jagir, Dulehera, Masauta	Kasna	Uttar Pradesh

Waterbody Rejuvenation Project Supported by Asian Paints Limited, Kasna, Uttar Pradesh

Project	Activities						
Asian Paints Limited Kasna	Front Line Demonstrations	Awareness Training	Establishment of Models	Plantation	Comprehensive Soil Analysis & Soil Health Cards	Exposure visit	Wall writings
	25 farmers established FLDs with Paddy, wheat and carrot	35 awareness technical training conducted.	Five models established namely Vermicompost, Panchakavyam, Azolla, Decomposing unit and Drip irrigation unit	3000 plants including Agroforestry and Agrihorti has been planted	25 soil samples and 10 water samples have been analysed	Exposure visit was arranged for the lead farmers to visit KVK, Bulanshar	3 wall writings done

Sustainable Agriculture Projects Supported by Apollo Tyres Foundation, Kancheepuram, Tamilnadu

Project	Activities		
Apollo Tyres Foundation	Front Line Demonstrations	Chain Link Fencing	Water Conservation
	5 FLDs have been established. - Quality seed separation and seed treatments with bio fungicide - Sticky traps, pheromone traps and bird perches were installed. - Field day was conducted to illustrate Lean farming	Chain link fencing was established to a distance of 650 meters in continuation to the last years' establishment of 1200 meters.	To avoid wastage of irrigation water, the main channel has been desilted to a length of 1400 meters

Integration of Lean Farming and Mechanization in Paddy Cultivation Supported by Oerlikon Friction Systems (I) Ltd., Walajabad, Tamilnadu

Project	Activities			
Apollo Tyres Foundation	Model Pilot Plots	Machineries introduced	Water management	Dissemination of Technologies
	Machine transplanting was done for 60 acres covering 38 farmers	Land levelling done by Laser leveller, Paddy transplanting done by Transplanting machine, Weeding done by Power weeder and cono weeder, Spraying of Panchakavyam, Pest repellants and foliar nutrition done by Drone	To reduce wastage of water, Irrigation was done by observing "water tube"	Agri Information Park was established in each village. Agri related Tamil magazines, Wall posters with Agri technologies and all-important inputs are placed for the benefit of more farmers.

Apart from the above projects, agriculture development division handled the agriculture related components of watershed projects implemented by NAF across various locations. The details have been given under the watershed development division.

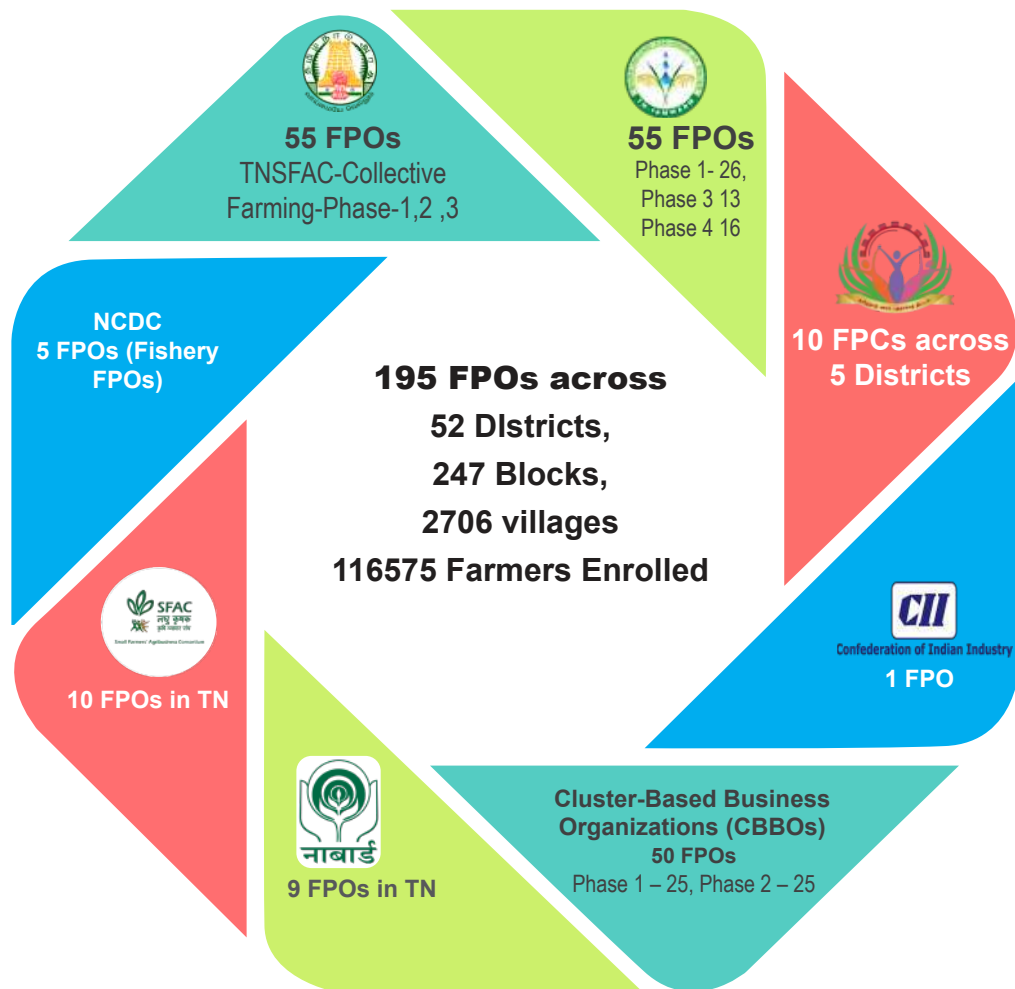


AGRIBUSINESS DEVELOPMENT DIVISION

NAF has been empanelled as a Resource Institution and Producer Organization Promoting Institution (POPI) by Small Farmer Agri-Business Consortium (SFAC), Ministry of Agriculture, Government of India and NABARD respectively for the promotion of Farmer Producer Organizations (FPOs) in the states of Tamil Nadu, Andhra Pradesh, Uttar Pradesh, Telangana and Maharashtra. Under this, FPOs have been promoted as part of the promotion of agribusiness activities for the farming community with the support from Small Farmer Agribusiness Consortium (SFAC), Central & State Government, NABARD, World Bank and Corporate partners through CSR support as well. NAF has also been empanelled in NCDC and NAFED for the first time in a milestone achievement for the organization.

Overview of FPOs Supported and Facilitated by NAF across India

S. No.	Name of the District	SFAC FPOs	NABARD FPOs	Collective Farming FPOs	TNIAMP FPOs	CBBO	NCDC	CII	TNRTP	No. of farmers enrolled	No. of villages covered
1	Tamilnadu	10	9	55	55	15	-	1	10	103945	2318
2	Puducherry	-	-	-	-	1	-	-	-	600	25
3	Maharashtra	-	-	-	-	4	-	-	-	955	29
4	Uttar Pradesh	-	-	-	-	15	-	-	-	2633	188
5	Andhra Pradesh	-	-	-	-	16	3	-	-	6241	146
6	Telangana	-	-	-	-	-	2	-	-	250	
TOTAL		10	9	55	55	50	5	1	10	116575	2706



Overview of Grants Facilitated by NAF to the FPCs

Sponsor Agency	No of FPCs Benefitted	Amount Aailed
Collective Farming	21	INR 1,05,00,000
TNIAMP	13	INR 3,25,00,000
CBBO	17	INR 62,10,000
Total Grant to FPCs Facilitated by NAF	51	INR 4,92,10,000

Business Operations Undertaken by NAF Facilitated FPOs



Value Addition & Branding of FPO Products



FPOs promoted under Collective Farming Scheme of Government of Tamil Nadu – Phase I

The FPOs promoted under the Collective Farming project by the Department of Agri-Business and Marketing, Government of Tamil Nadu have been promoted with an aim to form commodity groups and federate them as an FPO. The role of NAF is to facilitate the task of FPO registration (if not done earlier) and to capacitate them on governance, financial management, business plan promotion, and forward and backward linkages with market and service providers. Promotion of value addition and processing units based on the commodity and capacities of the FPOs is also in the scope of work that can be explored by NAF for the welfare of the FPOs. However, NAF does not exercise direct control over these FPOs and is predominantly under the guidance of the Department of Agribusiness and Marketing.

Phase 1 FPOs Business Activities

Vanmugil CFFPCL
Agro Input Shop,
Aggregation of Paddy
and sales of cattle
feed – Turnover

INR 20.62 Lakhs

Thillai Natarajar
CFFPCL Aggregating
black gram and paddy
from the Farmer
members & Sales of
Oil – Turnover –

INR 28.07 Lakhs

Yelagiri CFFPCL established
oil extraction unit under
MSDA scheme and are
also trading in Mango,
tamarind and palm sugar,
they also have an input
shop for farmers. Turnover

INR – 80.00 Lakhs

Annakavur CFFPCL
has established a Oil
processing unit and
running with the
annual turnover

INR 10.41 lakhs

Arcot CFFPCL is
involved in the
production of oil and
sales Turnover of

INR 14.52 Lakhs

Sholinghur shri Yoga
Narasimmar Company
has established Input
shop and trading in
jaggery

Virudhagireeshwarar
FPCL has established
an input shop with an
annual turnover of

INR 30 lakhs

- **No of FPOs under Phase 1: 23 FPOs**
- **No of Blocks: 51 blocks**
- **No of Villages Covered: 397**
- **No of Shareholders: 22,146**

FPOs promoted under Collective Farming Scheme of Government of Tamilnadu – Phase II

Based on the performance of the FPOs which were allotted to NAF previously, TNSFAC allotted 9 FPOs for the second phase during 2019-20 in which all have been incorporated during lockdown and share amount collection process has been completed across all the FPOs. Out of 9 FPOs, 7 FPOs are fully functional with varied business operations like input center, cattle feed business, Trading of commodities such as rice bags, cooking oils, grocery items, vegetables etc.

Phase II FPOs Business Activities


- **No of FPOs under Phase II: 9 FPOs**
- **No of Villages Covered: 122**
- **No of Blocks: 17 blocks**
- **No of Shareholders: 8103**

FPOs promoted under Collective Farming Scheme of Government of Tamilnadu – Phase III

Based on the performance of the FPOs in the earlier Phase I and Phase II, TNSFAC allotted 23 FPOs that have been sanctioned for the third phase during 2020-21 majorly in the northern part of Tamil Nadu. All the companies have started their business and are running successfully.

Phase II FPOs Business Activities

Madhurantakam
uzhavan CFFPCL has
established Agro
Seeds Shop
Annual Turnover
INR 10.13 lakhs

Minjur
CFFPCL has
established Agro
Input Shop, Grocery
and bio fertilizer sales
Annual Turnover
INR 36.00 lakhs

Poondi dam
CFFPCL has
established Agro
Input Shop, trading of
cattle feed and edible
oils Annual Turnover
INR 14.00 lakhs

Nemili CFFPCL has
established Agro input
shop, Drone sprayer
Annual Turnover
INR 21.00 lakhs

Akshya Marutham
CFFPCL has
established Agro
input shop
Annual Turnover
INR 17.31 lakhs

Parangipettai
CFFPCL has
established Aggregation
of Groundnut,
Value-added
Products and Cosmetics
(Soap), Vetiver oil
Annual Turnover
INR 16.00 lakhs

Sammundeshwariamman
CFFPCL has
established Agro
Input shop
Annual Turnover
INR 39.00 lakhs

Komadha
CFFPCL has
established Trading of
Cattle feed, Rice bag,
Agro input shop
Annual Turnover
INR 40.00 lakhs

- **No of FPOs under Phase III: 23 FPOs**
- **No of Blocks: 32 blocks**

- **No of Villages Covered: 203**
- **No of Shareholders: 14,308**



FPOs under TN Irrigated Agriculture Modernization and Water bodies Restoration and Management (TNIAMWARM) Project

This World Bank assisted project has been implemented predominantly in river basin areas of Tamilnadu wherein modernization of irrigated agriculture, promotion of water saving technologies etc were focused. As a part of sustainability of IAMWARM project, the Government is focusing on community strengthening and business development through promotion of Commodity Groups and federating them as FPOs. NAF has been selected as Technical Support Agency (TSA) by TNIAMP for providing handholding support to FPOs (formation, training and capacity building of FPOs on Governance, statutory compliances, business promotion and supply chain management activities) for these FPOs. NAF is extending technical support to 20 FPOs in 15 districts of Tamil Nadu state in the first year and 6 FPOs in 4 districts additionally from second year onwards.

In this Phase 1 FPCL NAF has been facilitated and received various grants like a startup grant, a Productive investment grant of INR 20 lakhs/FPCL (all the 26 FPCL has availed) and the Business Expansion Grant of INR 30 lakhs (20 FPCLs has availed). By making use of these grants the companies have installed value addition machinery, custom hiring centre and developed their business activities.



Salient features / highlights of the project

- NAF has facilitated in arranging the start-up grant amount of INR 10 Lakh to every FPO.
- NAF has supported all the FPOs to arrange Share Certificates and distributed to all the Shareholders in the FPOs.
- NAF has facilitated Productive Investment grant for TNIAMP – Phase-1 – 26 FPOs and for INR 20 Lakh; which has been received by every FPO for commencing business activities as per the Detailed Project Report.
- By the facilitation of NAF 20 FPCLs have availed the Business Expansion Grant of INR 30.0 Lakhs through which the FPCLs have established the Custom Hiring Center, Value added machinery and seed farm



Credit linkages Facilitated by NAF for FPOs under TNIAMP

S. No	Name of the FPO	Purpose of Credits Aailed	Subsidy Amount Aailed
1	TNIAMP 2019-2020 Southuparai FPCL	Mezzanine Capital Assistance	10,00,000
2	TNIAMP Thamira Organic FPCL	Mezzanine Capital Assistance	10,00,000
3	TNIAMP Gadana FPCL	Mezzanine Capital Assistance	10,00,000
4	TNIAMP Sri Aranganathar FPCL	Mezzanine Capital Assistance	10,00,000
5	TNIAMP Kallavi FPL	Mezzanine Capital Assis- tance, Working Capital Loan	30,00,000
6	TNIAMP Kumbakonam FPCL	Mezzanine Capital Assistance	10,00,000



TAMILNADU IRRIGATED AGRICULTURE MODERNISATION PROJECT (TNIAMP – PHASE 3)
Project Timeline (November 2021 - October 2024)

Based on the performance of the TNIAMP phase 1 FPCLs, NAF has been awarded 13 new FPOs in 9 sub-basins in 9 districts.

Registration of all 13 companies has been completed, and experts were onboarded in the respective FPCL. The business activity has been successfully initiated and all the training programs were completed for the farmer members. NAF has facilitated and availed Productive Investment Grant for all the 13 FPCLs.

Grant Facilitated by NAF for TNIAMP Phase 3 FPOs

S No	Name of the FPCL	District	Purpose of Grant Availed	Subsidy Amount Availed
1	TNIAMP chinnaru organic FPCL	Dharmapuri	Startup Grant Productive Investment	5,00,000 20,00,000
2	TNIAMP Karpaga Virutcham FPCL	Ranipet	Startup Grant Productive Investment	5,00,000 20,00,000
3	TNIAMP Timiri FPCL	Ranipet	Startup Grant Productive Investment	5,00,000 20,00,000
4	TNIAMP Arulmigu Ammaiappar FPCL	Tiruvannamalai	Startup Grant Productive Investment	5,00,000 20,00,000
5	TNIAMP Marudhaiyar FPCL	Ariyalur	Startup Grant Productive Investment	5,00,000 20,00,000
6	TNIAMP Manimuktha FPCL	Kallakurichi	Startup Grant Productive Investment	5,00,000 20,00,000
7	TNIAMP Muskunda FPCL	Kallakurichi	Startup Grant Productive Investment	5,00,000 20,00,000
8	TNIAMP Nambiyaru FPCL	Tirunelveli	Startup Grant Productive Investment	5,00,000 20,00,000
9	TNIAMP Paravanaru Cuddalore Organic FPCL	Cuddalore	Startup Grant Productive Investment	5,00,000 20,00,000
10	Thamizhhagam Natural Agri Products FPCL	Kancheepuram	Startup Grant Productive Investment	5,00,000 20,00,000
11	TNIAMP Gummidipoondi Organic FPCL	Tiruvallur	Startup Grant Productive Investment	5,00,000 20,00,000
12	TNIAMP Gumidipoondi FPCL	Tiruvallur	Startup Grant Productive Investment	5,00,000 20,00,000
13	TNIAMP Pazhamudhircholai FPCL	Tiruvannamalai	Startup Grant Productive Investment	5,00,000 20,00,000

TAMILNADU IRRIGATED AGRICULTURE MODERNISATION PROJECT – PHASE 4
Project Period (February 2023 - January 2026)

On the successful completion of the TNIAMP Phase 1 FPCLs, NAF has been awarded 16 new FPOs in 9 sub-basins in 10 districts. NAF has entered into 2 new districts (Ramnad and Sivagangai)

S NO	Zone	District	Sub-basin	No of FPCLs
1	Zone 1	Ranipet	Ponnai	2
		Thiruvannamalai	Thurinjar	1
		Cuddalore	Lower vellar	1
2	Zone 2	Madurai	Satahaiyar	1
			Therkkar	1
		Ramnad	Lower Vaigai	1
		Sivagangai	Lower Vaigai	1
3	Zone 3	Trichy	Nandhiyar	1
			Kulaiyar	1
		Thanjavur	Cauvery dellta	2
4	Zone 2	Cuddalore	Lower vellar	1
		Nagappatinam	Cauvery dellta	1
		Thiruvarur	Cauvery dellta	2
TOTAL NO OF FPOs				16



Tamil Nadu Rural Transformation Project (TNRTP)

NAF has been selected as a Technical Support Agency (TSA) for a World Bank assisted project viz., Tamilnadu Rural Transformation Project (TNRTP) as Technical Support Agency for extending support to Producer Collectives that have been formed by Tamilnadu Corporation for Development of Women Ltd (TNCDW), Ministry of Rural Development, GoTN. Under this project, both on-farm sector and off-farm sector enterprises promoted under SHG programs are being upgraded to FPOs. NAF has won the contract for Region II covering 5 districts including Salem, Erode, Tirupur, Coimbatore and Nilgiris.

NAF has been providing the following services to TNRTP FPOs in Tamilnadu:



Key Activities Undertaken during the Year

- Submitted all the IEC materials including Training Materials, Community Operational Manual, for PCs. Etc. along with Techno serve.
- Supported Preparation of Village Investment Plans (VIP), Block Investment Plans (BIP) and District Investment Plans (DIP) at the TNRTP Region-II Districts.
- Grading of CAP Assisted Enterprise Groups (EGs), Producer Groups (PGs) and Producer Collectives (PCs).
- Completion of all ground work for PC formation including training of the Enterprise Community Professionals and Project team members for formation of PGs, EGs and PCs.
- Capacity Building, TOT Training for TNRTP District Level Officials completed by NAF.
- Capacity Building TOT Training for Enterprise Community Professionals (ECPs) completed by NAF.
- Strengthening of three Existing Producer Collectives in TNRTP Region-II
 - Sholada Vegetable FPCL, Ooty Nilgiris dt (NABARD supported)
 - Malai Millets FPCL Thalavadi, Erode dt (NABARD and MYRADA)
 - Agayam Collective FPCL, Periyanaickenpalayam, Coimbatore dt (TNSFAC Agri Mktg)
- Registration of New Producer Collectives, as on date (10/3/22), three New PCs were registered in TNRTP Districts
 - TNRTP Udumalpet FPCL, Tiruppur District
 - Valar Valam Farmer Producer Company Limited, Salem District.
 - TNRTP Marutham FPCL, Coimbatore District

Formation and Promotion of FPOs under Central sector scheme of promoting 10k FPOs supported by NABARD and SFAC

The Government of India has launched a new Central Sector Scheme titled **“Formation and Promotion of 10,000 Farmer Produce Organizations (FPOs)” with a clear strategy and committed resources to form and promote 10,000 new FPOs.** Under this Central Sector Scheme with funding from Government of India, formation & Promotion of FPOs are to be done through the Implementing Agencies. Implementing Agencies will engage Cluster Based Business Organizations (CBBOs) to aggregate, register & provide professional handholding support to each FPO for a period of 5 years. CBBOs have been empanelled & engaged by Implementing Agencies. CBBOs will be the platform for an end-to-end knowledge for all issues related to FPO promotion.

National Agro Foundation has been assigned the role of CBBO and has been promoting 25 FPOs in 4 different states viz., Maharashtra, Andhra Pradesh, Uttar Pradesh and Tamil Nadu; Out of 25 FPCs all the FPCs availed equity grant, and rest have completed the process and submitted the documents

FPOs in Tamil Nadu

- Thiruporur Women Farmer Producer Company Limited comprises 500 women, shareholders, actively participating in the growth and development of the Producer Company, which enhances their socioeconomic status.
- Virudhai Cashew FPCL has received vendor ID for sales of cashew nuts on a regular basis. Kandamangalam and Kandachipuram FPCL in Villupuram DT is involved in the aggregation and sales of paddy and agro-input shop through this the company has attained INR 51 lakhs and INR 27 lakhs respectively
- Girivalam FPCL and Chetpet FPCL in Tiruvannamalai District received Mezzanine Capital Assistance for both companies which increased their working capital to improve the business. Girivalam FPCL have tied up with the Linevan Pvt Ltd. For marketing of their produce, which is mainly black gram and groundnut.

FPOs in Uttar Pradesh

- Arajiline FPCL, Cholapur FPCL, Kaimganj FPCL and Gangavaruana Agro FPCL have registered on DBT website for getting benefits of government schemes and subsidies.
- Pragatisheel Arajiline FPCL and Cholapur Kalyan FPCL have successfully booked the farm machinery bank under DBT with a subsidy of 80%.
- Market linkage has also been created for the 3 FPOs of Varanasi with DeHaat for forward and backward linkages. Arajiline FPCL was onboarded with FARMART and ITC for the procurement and selling of paddy and wheat. 500 quintals of paddy was traded with FARMART. Linkages with ITC, Waycool etc. are in the process for selling of paddy in the coming season.
- Kaimganj FPCL's application under Agri-infrastructure Fund is in progress and the other four FPOs will apply under the PMFME scheme to establish a processing unit. 3 FPCs of Varanasi are also part of Namami Gange project and around 30 people in each FPC are beneficiaries of Namami Gange Scheme

FPOs in Andhra Pradesh Supported by SFAC

- Under Central Sector Scheme of Promotion and Formation of 10,000 FPOs, Small Farmers Agri Business Consortium has allotted 5 FPOs in 3 districts of Andhra Pradesh.
- In Chittoor Farmer Producer Company Limited have procured 28 tonnes of mangoes from farmer members at INR 14.5/Kg and traded to Hatsun Agro at INR 16/Kg and got a profit of around INR 22,400 after all expenses.

FPOs in Andhra Pradesh Supported by NABARD

Under Central Sector Scheme of Promotion and Formation of 10,000 FPOs, National Bank for Agriculture & Rural Development, Andhra Pradesh has allotted 2 FPOs in East Godavari district of Andhra Pradesh.

- The companies have completed mobilization of 500 farmers in 2 blocks given as per the deliverables and have also established offices in all FPOs and appointed CEOs and Accountants.
- In Alluri Seetha Ramaraju district, 2 FPOs promoted by NABARD, which is the tribal region, the major business activity is trading of Cashew nuts. The main challenge prevailing in the region is market price and the nearby market players, due to this the farmers faced price fluctuations, NAF has intervened and given exposure to cashew value addition, branding and packaging. Now, the FPCL initiated its own branding **"Y Ramavaram GIRIJAN"** and entered into the market with cashew value-added products and pure honey

FPOs in Maharashtra Supported by NABARD

NABARD has sanctioned 2 FPOs to National Agro Foundation in Maharashtra under the CSS 10,000 FPO scheme in Beed district of Maharashtra.

- Ambajogai Yashwant FPCL has 303 shareholders and a share capital of INR 3,03,000/-.
- Kambaleshwar FPCL has 302 shareholders and a share capital of INR 3,02,000/-.
- Equity Grant has been applied for both the FPOs and they are awaiting the grant from NABARD.
- FPCs have applied for agri-input licenses and soon will start providing the agri-inputs facilities at optimum rates to their shareholders at the required time.

NAF has been providing the following services to TNRTP FPOs in Tamilnadu:

S No	Name of the FPCL	Purpose of Grant availed	Amount availed
1	Kambaleshwar FPCL	Equity Grant	3,02,000
2	Ambajogai Yashwant FPCL	Equity Grant	3,03,000
3	Pragatisheel Arajiline FPCL	Equity Grant	3,08,000
4	Gangavaruna Agro FPCL	Equity Grant	3,01,000
5	Kaimganj FPCL	Equity Grant	3,00,000
6	Addatheegala Somalamma Cashew Nut FPCL	Equity Grant	3,02,000
7	Y Ramavaram Sri Gubbamma FPCL	Equity Grant	3,00,000
8	Veerapunayunipalli FPCL	Equity Grant	4,56,000
9	Siddavatam FPCL	Equity Grant	4,57,500
10	Chittoor FPCL	Equity Grant	3,00,000
11	Kalahasteeswara FPCL	Equity Grant	3,00,000
12	Mana Voori Nesthalu FPCL	Equity Grant	4,60,500
13	Kandachipuram FPCL	Equity Grant	6,00,000
14	Kandamangalam FPCL	Equity Grant	6,20,000
15	Sri athivarathar FPCL	Equity Grant	6,00,000
16	Chetpet vegetables FPCL	Equity Grant	3,00,000
17	Cuddalore Oil Seeds And Pulsus FPCL	Equity Grant	3,00,000

Grants facilitated by NAF

S No	Name of the FPCL	Purpose of Credit availed	Amount availed
1	Arakkonam FPCL	Mezzanine Capital Assistance	10,00,000
2	Girivalam FPCL	Mezzanine Capital Assistance	6,20,000
3	Chetpet Vegetables FPCL	Mezzanine Capital Assistance	10,00,000
4	Cholapur Kalyan FPCL	Term Loan	13,00,000
5	Arajiline FPCL	Term Loan	12,85,000

MARKET LINKAGE ARRANGEMENTS

The various business opportunities for FPO were analysed on the basis of value chain of major crops cultivated in this region. The consultation with some of the identified stakeholders and progressive farmers for the respective areas and crops were derived with. And as a support service renderer to the FPOs, NAF has arranged for market tie up agreement with the following companies (Retailer/Wholesaler) to have agreed to procure commodities from the FPOs promoted by NAF:

MARKET LINKAGE ARRANGEMENTS

S. No	Name of the FPC	Market Linkage/E-platform	Product /Commodity Traded	Quantity Traded (MT)	Value Traded in Rs
1	Lower vellar FPCL	Agro Sperity	Maize	262	56,33,000
2	Kammapuram Lower vellar FPCL	E-Nam	Maize	6	4,92,000
3	Vikatakavi FPCL	E-Nam	Blackgram	6.5	5,60,000
4	Arajiline FPCL	Farmart	Paddy	103	9,30,000
5	Arajiline FPCL	ITC	Wheat	17	3,40,000
6	Girivalam FPCL	Linevan	Blackgram	6.5	4,87,500
7	Mamallan	Agrocrops	Groundnut	23	23,20,000
8	Sri Garuda	Agrocrops	Groundnut	15	10,64,000
9	Sri Aranganathar	Veluchami Merchant	Banana	45	15,30,000
10	Sri Aranganathar	Vasuvi & Co	Coconut	150	33,00,000
11	Adatheegala Cashew FPCL	Sri Lakshmi Ganapathi	Cashewnut	0.8	1,05,000
12	Lower Bhavani FPCL	Indra Rice Mill	Paddy	160	34,40,000
13	Lower Bhavani FPCL	Yazhventhan Traders	Maize	123	25,83,000
14	Pambar FPCL	Tamizhan agency	Coconut	120	2,58,00,000
15	Pambar FPCL	NS Traders	Groundnut	65	42,25,000
16	Y Ramavaram FPCL	Sri Lakshmi Ganapathi	Cashewnut	6.31	7,51,000
17	Pambar FPCL	Chaithanya Traders	Redgram	30	6,45,000
18	Kallavi FPCL	Sendraya Perumal Agro Foods	Mango	60	10,20,000
19	Kallavi FPCL	Btex Pvt Ltd	Turmeric	60	39,00,000
20	Chittoor FPCL	HatsunPvt Ltd	Mango Thothispur	28	4,48,000
21	Kallavi FPCL	B&B Pvt Ltd	Groundnut	80	41,60,000
22	Thambirabarani Pasumalai FPCL	Big Saver Consumer Ltd	Blackgram	25.7	18,52,900
23	Virudhai Cashew FPCL	Titan	Cashewnut	0.5	4,00,000
24	Gowsiganathi FPCL	PD agencies	Maize	64.9	15,47,000
25	Sathiyar Arulmigu Kallagar FPCL	Vijaya Traders	Maize	26	8,12,300

Project KANCHI (Kisan Advancement through Cashless Innovation)



NAF has developed an innovative multi module digital platform to digitize FPO business operations as well promoting financial inclusion through Project KANCHI (Kisan Advancement through Cashless Innovation). Under this, several modules are being worked upon like the Farmer Data Repository (FDR), Farmer Investor Services (FIS), Milk Aggregation Portal (MAP) and Lending and Recovery System (LRS), Input Center Digitization (ICD), Farm Lease, PA & WHS, were developed.

- Under Digitization of FPOs, we have incorporated 23 FPOs from Collective Farming and share certificates have been generated and distributed through project KANCHI.
- 25 FPOs under Central Sector Scheme on Promotion & Formation of 10,000 FPOs have been included under Project KANCHI.
- 26 FPOs under TNIAMP (IAMWARM) in Tamil Nadu, have transacted INR 9.09 Crores through the KANCHI Platform during the reporting period in FY 2021-22.
- Thellaru FPCL under NABARD has transacted an amount of INR 23.14 Lakhs through KANCHI platform.

We have generated 14,145 Share Certificates for Collective Farming Phase-3 FPOs from Tamil Nadu and now we are onboarding them into ICD & PA platform for business transactions.

Embedding Digital Payments in Agri-Business Operations of Small Farmers - MeitY Project

The project was implemented by National Agro Foundation and supported by the Ministry of Electronics and Information Technology (MeitY), the Government of India and the Centre for Digital Financial Inclusion (CDFI), New Delhi.

The objectives of the project were,

- Onboarding of the member farmers data to KANCHI (Kisan Advancement through Cashless Innovation) application's FDR (Farmer Data Repository) Module
- Input Centre Digitalisation (ICD) through the ICD module of the KANCHI app.
- Enabling and Promotion of Digital Payments Technology such as Online Banking, POS machines, UPI payments, etc.

The project was implemented in 20 FPOs across 13 districts of Tamil Nadu. The project helped the FPOs digitise their financial operations and use digital payments technology to optimise financial transactions and processes. It also improved transparency in accounting and sped up auditing procedures.

Key Achievements

- 19101 member farmers' data uploaded to the FDR module of the KANCHI platform.
- 13210 invoices worth INR 2.9 crores were recorded in the KANCHI ICD module.
- Payments for 6361 invoices worth INR 75.23 lakhs received digitally (UPI, POS payments, NEFT, etc.).
- Produce worth INR 4.87 crores aggregated through the KANCHI PA module



Newly Allotted Fisheries FPOs by NCDC – 2022-23

NAF has been empanelled as a CBBO to promote fisheries-based FPOs under the Pradhan Mantri Matsya Sampada Yojana in Andhra Pradesh & Telangana regions through National Cooperative Development Corporation (NCDC) under the Central Sector Component of PMMSY, we have been given 5 districts in AP & Telangana regions. The districts allotted by NCDC are Kurnool, Nandyal & Ananthapur in AP & Vikrabad & Hyderabad in Telangana regions

The Objective of the Project

- (i) Economically empower the fishers and fish farmers and enhance their bargaining power by achieving economies of scale.
- (ii) Enhance productivity through efficient, cost-effective and sustainable resource use.
- (iii) Realize higher returns for fishers and fish farmers through better liquidity and remunerative market linkages for their produce.
- (iv) Build capacities of fishers and fish farmers to develop entrepreneurial skills for making the FFPOs economically viable and self-sustaining.
- (v) Develop vibrant and sustainable income-oriented fisheries value chains.

NAF has newly stepped into the fishery-based FPOs. Preliminary field activities like formation and identification of Farmer Interest Groups are in process

S NO	State	District	No of FPOs	Status of Registration	Members Mobilized	Share Capital in INR
1	Andhra Pradesh (3)	Ananthapur	1	In Process	300	6,00,000
2		Kurnool	1	In Process	300	6,00,000
3		Nanthiyal	1	In Process	300	6,00,000
4	Telangana (2)	Hyderabad	1	Registered	254	5,02,000
5		Vikrabad	1	In Process	45	90,000



State Level Buyer Seller Meet for Farmer Producer Companies promoted by NAF in Tamil Nadu

A Buyer-Seller meet was organized on 8th December 2022 at Anna Administrative Staff College, Green ways road, Raja Annamalaipuram, Chennai, by National Agro Foundation. Fifty Five farmer-producer companies promoted by NAF throughout Tamil Nadu were in attendance along with the 50+ major market players like Line wane, agro speriti, agro crops etc. buyers participated in the event.

- TNIAMP Lower Vellar FPCL, has been linked with AGROSPRETY tech solution, this collaboration has accounted a turnover of INR 61.25 lakhs by trading 230 tonnes of maize and groundnut by procuring directly from its shareholders.
- TNIAMP Thamirabarari pasumai farmer Producer Company Limited has traded 20 tonnes of blackgram to Big Saver Private Limited by aggregating the commodity from 17 shareholders of the company. This trading with the big market player has created an impact among the farmers of the region to sell their produce to the company for a fairer price than selling it at an unfair price to middlemen.
- In Girivalam FPCL, 6.5 tonnes of a black gram have been traded with Linevan Pvt Ltd., for INR 4.87lakhs.
- An MoU has been signed with Agro Crops (Commodity groundnut) for the Mamallan and Sri Garuda FPCL of TNIAMP Project.



State Level Stakeholders Meeting in Uttar Pradesh

A State level Stakeholders meeting was organized by NAF on 1st & 2nd February 2023 at Banarasi Hindu University, Varanasi, Uttar Pradesh. Around 400+ farmers from 25 Farmer Producer Companies have participated in this meeting. The main objective was to create an opportunity for exchange, to connect, interact, learn and share amongst the key stakeholders and FPOs in the Agribusiness space.

Various institutional buyers like agri-based B-C companies, B-B companies have also participated and explained the business opportunities to the stakeholders. An exhibition was organized to showcase the products from various NAF supported FPOs from Tamilnadu, Andhra Pradesh and Uttar Pradesh.

- Khadi village industries commission, a statutory body which is promoting and marketing cottage industries products have approached NAF for the promotion of FPO products in 500+ outlets in Tamil Nadu. As a first step, FPCL products like ghee, oil and rice have been traded with Khadhi Industries
- NAF has identified the potential and vibrant Farmer Producer Company for onboarding in APEDA. The companies which are well established in value addition and trading is focused and onboarded in APEDA for exporting their commodities. In this line IE (Import Export) code has been applied by 40 FPCLs. Theallar FPO one of the successfully running FPCLs has been onboarded, which enables them to trade commodities in the export and import market.



MARKET LINKAGES ESTABLISHED BY NAF

The various business opportunities for FPO were analyzed on the basis of the value chain of major crops cultivated in this region. The consultation with some of the identified stakeholders and progressive farmers for the respective areas and crops was derived. And as a support service renderer to the FPOs, NAF has arranged for a market tie-up agreement, the details are as follows

IFFCO Direct Dealership

IFFCO is a market leader in agrochemicals, especially fertilizers. There is a huge demand for IFFCO fertilizers among farmers due to their performance in crop productivity. Hence NAF has decided to avail the dealership to 25 farmer producer companies at 50 per cent of the cost usually paid for the dealership on a pilot basis. This dealership drive can be revolutionary as so far, the FPOs have struggled to avail the dealership. Due to NAF intervention, the FPOs can now avail of it easily via direct communication with the IFFCO team. 10 FPOs among the 25 FPOs are in process of availing and this benefit has been planned to be extended for all the FPCLs promoted by NAF.

NCDEX- National Commodity and Derivatives Exchange Limited

It is the biggest Agri Commodity exchange in India. Through the NCDEX FPO programme it has created awareness among the farmer members about the FPOs to manage the price risks by bringing them on the platform. As NCDEX is mainly involved in the turmeric commodity, NAF FPO TNIAMP Kallavi FPCL which is handling turmeric, has been tied up with NCDEX which has the potential to enhance their business

NINJACART

The FPCs involved in the Agro Input Business, are availing low-cost credit cards to the farmer members from the nationalized banks which in turn improves the direct marketing through NINJACART channels and also FPC can have a credit free sale, this impacts in their turnover & profits without investing working capital, better bonding between FPO & farmer. Kumbakonam and Girivalam Farmer Producer Company Limited have availed Kissan Unnathi Card to their share members and 5 FPCs were in process to on board with NINJACART

TITAN

TITAN has been supporting one of our NAF – FPO Virudhai Cashew Farmer Producer Company Limited for selling cashews on a monthly basis. As the FPC is handling good quality cashews in the form of raw and value added products, A total of 250 kg of cashew has been sold in their TITAN corporate office at Hosur.

DeHaat

FPOs of Uttar Pradesh have tied up with the DeHaat for both the forward and backward linkage. DeHaat is providing good quality agri-inputs to the FPOs of Varanasi at optimum rates. It will also provide the forward linkage by buying the paddy on a large scale from FPOs in the coming season.


NCDEX
ninjacart

DeHaat®
Seeds to Market



LABORATORY SERVICES DIVISION

The Laboratory Services Division has been widely recognized and is accredited with ISO/IEC 17025:2017 Standard by NABL, a Constituent Board of Quality Council of India. It is actively engaged in providing quality and affordable soil, food, water and organic fertilizers testing services to various stakeholders. It also extends testing and training services to research scholars and students from various departments of basic sciences, agriculture, food science and technology, bio-technology and environmental sciences etc. from different universities and colleges.

Soil Testing Laboratory - Analytical Services

Soil Testing Laboratory - Analytical Services

NAF Soil Testing Lab has been providing comprehensive soil health diagnostic services for agriculture development for the past 22 years.

During April 2022 to March 2023, 4366 Soil samples, 137 water samples, 172 organic fertilizer samples and 1140 other samples (Metals, fertilizer, leaf, soil for texture etc.) have been tested.

Apart from Tamil Nadu, soil and other samples from other states/ UTs - Maharashtra, New Delhi, Puducherry, Kerala, Karnataka, Andhra Pradesh, Haryana, Uttar Pradesh and Telangana were tested during this period.

Out of 4366 soil samples; 1683 soil samples for CSR Projects, 1793 soil samples from NABARD KfW Project, 54 soil samples from Soil Mapping Project and 836 Soil samples for other customers were tested during the year.



Food Testing Laboratory - Analytical Services

National Agro Foundation, Food Testing Laboratory was conceptualized and started to provide analytical services to the small and medium scale food industries; help in providing quality to the consumers and raising the general standards of quality particularly in the small-scale sector.

- During April 2022 to February 2023, totally 323 food samples and 150 samples for instrumental analysis were analyzed.

NABL Accreditation

- NABL Desktop Surveillance Assessment as per NABL ISO/IE 17025:2017 Standard was successfully completed in March 2023.

Academic & Training Services

Partnership with IGNOU – NAF had been the registered Learner Support Centre (P) for PG Diploma in Food Safety and Quality Management from 2013 to December 2022.

- Unguided practical sessions were conducted for July 2021 registered students in July 2022.
- For July 2022 session students, the theory and practical counselling sessions was concluded by Oct 2022 and the unguided practical sessions were conducted during November 2022. The program has been completed.

Students' Training/Internship/Project

- Four students from VISTAS (Vels University- B.Tech Biotechnology) are pursuing their final year projects at NAF. Among them, one student has received award from Tamilnadu state council for science and technology (TNSCST) for the project which was undertaken at NAF

- 5 students from M.O.P Vaishnav College for Women are carrying out their final year project since Jan 2023.
- 15 students from Gandhigram Rural Institute carried out their Internship at NAF during Aug – Sep 2022.
- 1 PhD scholar from Sri Ramachandra Institute of Higher Education and Research (SRIHER) carried out her internship during Nov – Dec 2022.
- 18 students from Dr.MGR Educational and Research Institute carried out their Internship at NAF during Dec 2022
- 5 students from Bannari Amman institute of Technology carried out their Internship during Feb 2023.

NAF a FoSTaC empanelled Training Partner

- NAF is an empanelled training partner for Food Safety Training and Certification (FOSTAC) by FSSAI for the past six years. Food Safety Supervisor (FSS) training programs are being conducted at three levels – basic, advanced and special in various sectors like manufacturing, catering, storage and transport and retail and distribution etc in both offline and online mode. Target participants are food handlers, supervisors, professionals, students and individuals intending to enter the food industry.
- 18 FoSTaC FSS Manufacturing and Catering Training programs were conducted for various companies and colleges covering 433 candidates during the year.



CSR PROJECTS

I. NAF – PERSHING FOOD SAFETY PROJECT

• Under BNY Mellon Pershing India CSR Support, NAF implemented a project to support the food based FPOs on food safety and labeling through the inspection of their food production units and provided advisory for improvement in food safety and hygiene aspects. Food products of FPOs were evaluated for quality through lab testing and checked for compliance to FSSAI norms and resultant advisory was provided for product quality improvement. Training was provided on various aspects of food safety and hygiene, labeling norms laid down by FSSAI etc. Thus, the project provided technical guidance to the FPOs to manufacture and supply food products that comply to the FSSAI standards and thereby, meet the consumers preferences for properly labelled products on par with other well established food industries.

Impact

- 208 members selected from 50 FPOs from 11 districts of Tamil Nadu benefitted from the project.
- 11 Food Safety Training Programs under FoSTaC were organized.
- Increase in awareness levels and enhancement in knowledge of the beneficiaries in the following areas:
 - Awareness on food safety hazards
 - Awareness on best practices for maintaining food safety and hygiene
 - Improvement in quality and safety of food products manufactured by FPOs
 - Adherence to FSSAI norms for food safety and labeling.
 - This shall lead to increased business opportunities for quality and safe food products

II. AVT FOOD SAFETY PROJECT

• FoSTaC FSS training program on Street Food Vending was conducted at Coimbatore and Pollachi during May 2022 and Feb 2023. 166 street food vendors were trained as Food Safety Supervisors during the year. This training capacitates them to run their street food business in hygienic manner and improves their business.

III. BNY MELLON FOOD SAFETY PROJECT

• FoSTaC FSS training program on Street Food Vending was conducted at Ooty during Feb 2023. 100 street food vendors were trained as Food Safety Supervisors. This training created awareness to maintain good hygiene in their street food business thereby, improving their business and providing safe food to their consumers.





RESEARCH AND DEVELOPMENT DIVISION

The R&D Division strives to keep abreast of the latest dynamics in the development sector and propels scientific research in fields of food, agriculture and environment, thereby contributing to the knowledge domain as well as pioneering the dissemination of this knowledge in palatable form to the drivers of development across the country. Of the many functions, that the division plays, its core being able to translate scientific know-how into practical and functional inputs for the farmers, thereby, being able to customize best farming practices, encapsulate best agri technologies for progressive farmers, promote technology update and motivate behaviour change through impactful learning methodologies. It also undertakes field-oriented research projects on soil health, integrated remediation of contaminated soil using Phyto-technologies, climate smart agriculture, new food product development etc.

Research Projects undertaken at NAF:

I. Environment and Agriculture

Development of novel products from cow urine project:

Distilled cow urine and enriched cow urine products have been developed and seed germination test has been performed using the developed products. Pellets of cow urine with different bioamendments have been developed and standardization of developed pellets studied with green gram crop productivity. Further field studies at NAF CFRD is planned to be started during April 2023.

Mitigation of entry of heavy metals in to the food chain project:

Three types of biochar such as coconut shell, rice husk and wood biochar were collected and characterized. The adsorption/ desorption study with respect to different biochars as well as heavy metals such as Ni, Cd, Cr, Pb has been completed. Incubation study to assess the chemical transformation of heavy metal contaminated soil with different biochar study completed. The column study is in pipeline to assess the leaching of metals in the biochar applied soil.

Assessment of Heavy metals Accumulation in Fruits and Vegetables:

The vegetable samples were collected from markets of different places such as Thiruvannamiyur, Manali, and T. Nagar. The samples were processed and analyzed for heavy metal content. Except few, majority of heavy metals were found to be below detectable limit. Hence, the further study is planned for the collection and analysis of heavy metals in vegetables which are cultivated in contaminated soils.

Assessment of Microplastics in Agricultural Soil Ecosystem and Its Potential Risk:

Standard procedures for the analysis of microplastics in soil and compost are not available. Hence, the SOP for the analysis of microplastics in soil has been finalized based on the review of various methods. Initially five soil and compost samples have been chosen from various places for the analysis of microplastics. Sample preparation has been completed and quantification of microplastic in FTIR is under process.

Soil mapping project:

545 soil samples have been collected from 20 villages and analysis of soil parameters has been completed for 18 villages. Digital soil maps have been prepared for 10 villages and preparation of other 10 villages are under process. It is further planned to cover 10 more villages in Soil Mapping Project during the next year.





II. New Food Product Development

Development of Beetroot Jam:

The main objective is to develop antioxidant rich low sugar jams that are alternative to traditional jams. As beetroot sugar concentration is low, it is not used for sugar production, and contrarily is grown for diverse food uses, in the forms of fresh vegetable, dehydrated or frozen product, or for food preparations, such as pickles or juices. The main sugar in beetroot is sucrose with only small amounts of glucose and fructose. When the trials were carried out, the sensory acceptance was not satisfactory as the product had a raw beet flavor. Further trials with increasing the acidity of the jam and bringing up a rounded jam consistency is being focused on right now for increased acceptance.

Development of Trimillet Cake and Cake mix from Underutilized Millets:

This project aims at formulating millet products from underutilized millets such as Kodomillet, little millet and barnyard. The product trials have been completed. The sensory acceptance results showed that the millet to wheat flour ratio of 60:40 has good acceptance and other physiochemical properties of the final product have to be studied.

Development of Millet Vegetable snacks:

This project aims at formulating a millet product that can be appealing to children on nutritive value and palatability and to increase their intake of vegetables. Trials using little millet and potato is being conducted. Further studies are in progress to develop the product of good acceptance.

Research Publications

- 🐦 Sinduja Murugaiyan, Sathya Velusamy, M Maheswari, G K Dinesh Shiv Prasad, P Kalpana (2023) Groundwater quality assessment for agricultural purposes at Vellore District of Southern India: A geospatial based study. *Urban Climate* 47 (101).
- 🐦 Sinduja Murugaiyan, V. Sathya, M. Maheswari, G K Dinesh, P. Dhevagi, Shiv Prasad, K. Boomiraj, P. Kalpana (2023). Phytoextraction Potential of Chrysanthemum and Cumbu Napier Hybrid Grass to Remediate Chromium Contaminated Soils using Bioamendments- accepted in *International Journal of Environmental Research*.
- 🐦 Maheswari, M., Suganya, K., Bhuvaneswari, K., Kannan, B., Sunitha, R., & Sinduja, M. (2022). Determination of metformin and triclosan in sewage sludge using Liquid chromatography-mass spectrometry (LC-MS). *Journal of Applied and Natural Science*, 14(4), 1320-1326.
- 🐦 Dinesh, G. K., Sharma, D. K., Jat, S. L., Sri, K. S., Bandyopadhyay, K. K., Bhatia, A., M.Sinduja, V. Sathya, S. Karthika, N. Sethupathi, Praveen Kadam, R. Rajesh Kuma & Kumar, R. R. (2022). Ecological Relationship of Earthworms with Soil Physicochemical Properties and Crop Yields in Conservation Agriculture. *Indian Journal of Ecology*, 49(6), 2135-2139.
- 🐦 Sinduja Murugaiyan, Sathya Velusamy, Maheswari. M, Kalpana Palani, Dhevagi. P, Dinesh. G. K, & Chitdeshwari. T (2022). Chemical transformation and bioavailability of chromium in the contaminated soil amended with bioamendments. *Bioremediation Journal*, 1-22.
- 🐦 Sinduja Murugaiyan, Sathya Velusamy, Maheswari. M, Sivakumar. U, Dhevagi. P, Chitdeshwari. T, Dinesh G K & Kalpana Palani (2022) Chromium Speciation and Agricultural Soil Contamination in the Surrounding Tannery Regions of Walajaphet, Vellore District, Southern India. *Madras Agriculture Journal*, 1-22.
- 🐦 Sinduja Murugaiyan, Sathya Velusamy, Maheswari. M, Dhevagi. P, Kalpana Palani, Dinesh, G.K, & Prasad.S (2022). Evaluation and speciation of heavy metals in the soil of the Sub Urban Region of Southern India. *Soil and Sediment Contamination: An International Journal*, 1-20.
- 🐦 Sinduja Murugaiyan, V. Sathya, M. Maheswari, P. Dhevagi, T. Chitdeshwari, U. Sivakumar and GK.Dinesh (2022) Influence of Soil Moisture and Bioamendments on the Speciation and Bioavailability of Chromium in Contaminated Soils. *Indian journal of Ecology*.
- 🐦 Poovai.PD, Kumaran. N, Ashok Iyengar, P. Kalpana, Ramasubramaniyan Ramanathan Melmangalam. Hydroxypropyl Methyl Cellulose (HPMC) incorporated with a nano-emulsion of Piper betel leaf essential oil to enhance shelf-life and improve postharvest quality of Tomato (*Solanum lycopersicum* L.). - accepted for publishing in *Journal of Applied and Natural Sciences*.

Publications in the pipeline

- 🐦 Preparation of article on “A critical assessment of the effect of soil pH and soil organic carbon on nickel bio-availability in bio-amended soil”- Submitted and is under review at *International Journal of Environmental Studies*.
- 🐦 Preparation of article on “Comparative analysis of Biochar with co-composting of organic manure”- Submitted and is under review at *International Journal of Analytical chemistry*.

📧 Preparation of article on “A comparative study of phytoremediation of heavy metals in soil using brassica juncea, and green gram” – Submitted and is under review at Journal of Bioremediation.

📧 Preparation of article on “Effects of poly vinyl acetate micro plastics on the growth of green gram, horse gram and Chilli”-Submitted and is under review at Journal of Environmental Science.

Book Chapter

📧 Karthika, P., Dinesh, G. K., Sathya, V., Karthika, S., Sinduja, M., Kiruthiga, S., & Soni, R. (2023). Current Scenario on Conventional and Modern Approaches towards Eco-friendly Electronic Waste Management. In Microbial Technology for Sustainable E-waste Management (pp. 1-44). Cham: Springer International Publishing.

📧 Chapter: Intensification of pollution and its impact on avian communities and migratory birds (2023) M.Sinduja, Dr. V. Sathya, Dr.P.Kalpana, Dr.M.Maheswari, Dr. K.Boomiraj published in An Anthology of Agricultural Research.

📧 Dinesh, G. K., Sinduja, M., Priyanka, B., Sathya, V., Karthika, S., Meena, R. S., & Prasad, S. (2022). Enhancing Soil Organic Carbon Sequestration in Agriculture: Plans and Policies. In Plans and Policies for Soil Organic Carbon Management in Agriculture (pp. 95-121). Singapore: Springer Nature Singapore.

Popular Articles

📧 M.Sinduja, Dr. V. Sathya, Dr.P.Kalpana, Ezra John & Dr. K.Boomiraj. Effect of Climate change on agriculture and their mitigating measures- Kisan world (2022).

Participation in Conference/ Workshop/Expo

📧 On the occasion of World Food Safety Day Celebrations, Dr.R.Kalpana, Head- R&D Centre delivered a talk on the theme “Safer Food, Better Health” at Sri Ramachandra Institute of Higher Education and Research (SRIHER)– Department of Clinical Nutrition, on June 7th 2022.

📧 Dr.R.Kalpana, Head- R&D Centre participated on Awareness Programme on Food Testing Laboratories organized by NABL on July 29th 2022

📧 Dr.M.Sinduja, Technical Executive (Envi. Sci.) won the 2nd prize for Poster presentation and received the Dr.APJ. Abdul Kalam Research Excellence Award on “Metagenomics analysis of Microbial Community and its role in Chromium remediation to enhance crop management” in the National Conference held at Pushkaram college of Agriculture Science, Pudukkottai in December 2022.

📧 Ms.P.D.Poovai, Technical Executive (Food Tech.) won the prize for best poster presentation on “Study on formulation of Trimillet cake with Jaggery–A healthy alternative” in the National Conference on Advancement in Food Technologies held at Bannari Amman institute of technology (Online) in December 2022

📧 Dr.M.Sinduja won the 1st prize for oral presentation on “தமிழ்நாடு, வேளூரில் குரோமியம் மாசுபட்ட மண் மற்றும் நீருக்கான ஒருங்கிணைந்த செயல் திட்டம்” at 8th National Conference Tamil Conference on Agricultural Scientific Tamil held in Nagapattinam Febraury 2023.

📧 Agri Tech Expo 2022: NAF participated in Agri Tech Expo 2022 held at Thanjavur during July 30 & 31st 2022. Our stall showcased various analytical and consultancy services offered by NAF such as soil, water, organic fertilizer and food testing and agriculture consulting services; and research and development projects etc. Our stall was visited by the District Collector- Thanjavur and many farmers from the delta districts.



National Agro Foundation Centre For Rural Development was established to provide training and capacity building for farmers on technology-based agriculture to transform the direction of Indian agriculture from “production-oriented” to “market-oriented” to establish successful agri businesses across rural areas. We have strived to achieve this, by developing an integrated and innovative rural development model to equip farmers with technology which in turn increases the productivity per unit area. The prime objective is not only to increase the ability of farming community to innovate and adopt new technologies in agriculture but also to ensure continuous improvement in economic, environmental and social performance of the rural community. Training is imparted on “technology-oriented” and “participant-oriented” modes to various stakeholders of agriculture and rural development including farmers, youth, agripreneurs, women, socially excluded members, functionaries of NGOs, water user groups, producer groups, input suppliers, bankers and students among others.

In CFRD training centre, 2780 stakeholders were given training including farmers, farm women, young farmers, members of farmer producer companies through 78 training programs for the FY 2022-23. Apart from this, under corporate volunteerism program, 498 employees from BNYM, Wells Fargo and WWL have visited various project areas to invest their time and energy for various activities such as tree planting, de-silting of water bodies etc.



ACABC Training Program:

Agri Clinic and Agri Business Center is a Government of India (Ministry of Agriculture and Farmers Welfare) unique program to tap the expertise of available agriculture graduates, agri diploma holders, veterinarians etc to offer professional extension service to farmers, thus enhancing the agricultural sector in India.

NAF is one of the Nodal Training Institutes (NTI) out of 82 NTI's in India and 11 in Tamilnadu, that impart entrepreneurial skill trainings to agri graduates thereby building a well skilled cadre to cater and also enable them a best extension provider to rural agriculture.

In FY 2022-23, NAF has completed 2 batch for 69 agripreneurs. So far, NAF had conducted 30 ACABC training program for 917 agripreneurs since 2010, in which 11 to the demands of the agriculture sector in rural areas. These trained young professionals will work as future extension workers and take on the challenges faced by farmers and offer low cost, local and relevant solutions to their issues.

Corporate Volunteerism Program:

NAF is implementing many community development programs through corporate volunteerism. Corporate volunteering is the encouragement and facilitation of volunteers in the community through the organization which involves the employee donating their time and expertise either during official work hours or on their own time with some facet of company support. Volunteer programs organized by NAF are highly recognizable and valued programs that can help the corporate company work with community more effectively that deepen the engagement among employees, and contribute to the company's visibility and reputation in key markets.

This year we got an opportunity to conduct indoor volunteerism for 100 employees of Wells Fargo with concept of raising traditional vegetable seeds in pro trays in turn distributing it to households in 6 villages to impart importance of growing traditional vegetables as well as to ensure nutritional security of village community. Apart from this, volunteers of BNY Mellon and World Wide Logistics Limited have participated in the volunteerism program towards tree planting, desilting of water bodies, preparation of seed balls etc.

Intensive Technical Training on Lean Farming Technologies:

NAF has conducted 3 intensive technical training programs for farmers from Karnataka and Telangana in which 103 farmers visited CFRD on three-day training program learnt many aspects on importance of comprehensive soil testing and test-based soil recommendations, soil health management, integrated pest management, integrated nutrient management, use of organic formulations, low-cost traps, bio fertilisers SRI method of paddy cultivation, direct seeding of paddy, vegetable cultivation etc. These trainings are part of the major watershed projects implemented through CSR support of various corporate partners.



CSR Project Trainings At CFRD:

All the technical trainings such as training on climate smart agriculture, exposure visits trainings, animal husbandry trainings, awareness trainings were conducted in CFRD during the FY 2022-23 for multiple CSR partner projects.

Educational Institution Trainings and Internships Program:

Students from various colleges such as SRM Agri University, Stella Maris college, Ramachandra University, Adhiparasakthi Agri college have visited CFRD for various internships and RAWE programs to learn about the functioning of NAF in various sectors of rural development. NAF has been instrumental in training young minds and motivating them to take up the causes of farmers and rural development initiatives by providing opportunities through learning by doing on the field.

Training On Farm Equipment By Stith:

One hundred and six farmers from various NAF promoted FPCs were given insights about usage of small farm equipment's to reduce drudgery and cost in farm production. It was jointly conducted by STITH and NAF in the Centre for Rural Development campus at Illedu.

Buyer – Seller Meet:

M/s Way Cool, one of the largest food based retailers in association with NAF has conducted buyer seller meet in CFRD in which FPC farmers were given orientation about marketing of fresh and perishable produce.

NAF – ATMA Training:

During this year, NAF has organized 5 training programs on various aspects of dry land agriculture, millet production, integrated farming system etc benefitting more than 300 farmers with support from ATMA.

FPC Trainings:

During this year, 12 programs were conducted in CFRD for various NAF promoted FPCs for capacitating them on business plan preparation, strengthening of BODs, financial management of FPCs etc.



EVENTS AT NAF



Inauguration of Kuttu Andavar Waterbody by APL Plant Head Mr. Ravi, General Manager and his team at Cuddalore under IWRM Project on 18-08-2022



Participation of APL Patancheru team in handover program of check dam under Water Resource Development Project in Chinnakanjerla Village on 26-07-2022



Handover Program of Water Resources Development Project by Chief Guest Mr. Kamal Chhauda, Associate General Manager - Asian Paints Ltd on 28th March 2022



Water Conservation and Management Training Program conducted by Asian Paints Limited Mysuru and National Agro Foundation in village Nanjangud on 27-12-2022.



Mega Volunteerism Program Organized by NAF for the BNYM Employees through Tree Plantation and Cultural immersion at Manjarwadi village on 1st & 2nd October 2022



Training and Exposure Visit on Cattle Management conducted by Asian Paints Limited Patanchervu and National Agro Foundation at Vavilala Village.



Inauguration Program of Integrated Watershed Development Project by LTI Mindtree Mysuru team attended by Shri.Paneesh Rao, Global Head of Sustainability (E.S.G)-Mindtree on 18-02-2022



Celebration of World Water Day at HRDP Thiruchuli, attended by Mr. Lakshmanan, Head Master, Higher Secondary School, Maravarperungudi.



Visit to WDF Project at KN Palayam by Mr.Manjunath Reddy.S., Manager- NABARD, & Mr. T. Ashok Kumar, DDM, NABARD, Erode.



Visit to Kolanthankurichi WDF Project by Mr.Sidharthan, DDM – NABARD.



Visit to Kotteri WDF Project by Mr.Prasant Kumar, TITAN



Inauguration of LIC HFL Holistic Rural Initiative for Development Action and Yield (HRIDAY) Project

SUCCESS STORIES

Reaping the benefits of water harvesting through vegetable cultivation

Govindanayak a farmer in Karepura village used to cultivate only on a small patch of land due to water scarcity. Even though he had a bore well at the depth of 350 ft, he was unable to irrigate his land due to low water availability. After the rejuvenation of the waterbody in his village, his borewell has started yielding water at 20ft from the surface. He is very happy that he is able to irrigate the entire land for cultivation. He thanks the LTI Mindtree for the valuable intervention.



Story of Struggle and Rescue Through Channel Lining Initiative in Rohtak

Around 4000 people live in Nonand village, of which 82-85% of population are dependent solely on Agriculture as their livelihood. The drought like conditions over the years has posed a serious threat to the farming sector, impacting scores of farmers and robbing them of their only livelihood option. On one hand due to water scarcity, they practice agriculture only twice a year and on the other, because of excess rain and flood, many times even two seasons are also not possible for some

farmers. Even though the village has access to irrigation water once in 40 days, there is lot of conveyance loss due to unlined channels and delays in reaching the farmers. Prem Singh, a farmer beneficiary explains, "During unlined channel the width is more around 8 feet but, after lining the width of the channel became less to 4 feet. So, I am getting additional 4 feet for cropping". Balraj says "I used to supply water by using borewells before and I have seen the growth of plants, but after using the lined channel and supplying the canal water I have experienced a greater growth in my field and channel also provides me a pathway to access my field easily". Surendhar says, "After lining of channel I can see good improvement in my crops growth and felt maintenance is very easy".

Indirjit, farmer of Nonand says, "Earlier, during heavy rains there used to be accumulation of water in my field, but after lining the channel, excess water drains fast without affecting crop roots, thereby saving me from many losses".

Additional benefits have been witnessed from the lining of these water channels such increase in conveyance efficiency, reduction in diesel expenses for pumping, reduction in tube-well operation frequency, reduction in groundwater utilization, additional land area for cultivation, application of river water through irrigation increases yield, drainage facility during heavy floods, regulated water-stopper method doesn't allow flooding method of irrigation.

By lining of the supply channels, every farmer is getting the required amount of water for irrigation, they have an improved yield this year. Seeing the project outcomes, the surrounding villages are requesting to undertake the supply channel lining work in their villages.

Empowering Women through Skill Development and Livelihood Options

Ms. Srilekha, a resident of Perukaranai village, shares her experience and gratitude towards L&T Technology Services (L&TTS) and National Agro Foundation for providing an opportunity to women in their village to gain critical skills to enhance their livelihood options through aari work training program. As part of a group of 30 participants, Ms. Srilekha initially had no knowledge or awareness of aari and handwork training. However, L&TTS played a vital role in teaching this valuable skill to the group. Prior to the training, they lacked information about market rates for blouse designs, relying on others for such details. The training transformed their abilities, and they now confidently stitch two blouses within fifteen days, which is a significant achievement. Ms. Srilekha has already begun using her newfound skills, stitching wedding blouses and earning a steady income for her family. The training has not only provided hope but also opened doors for earning up to INR 2,000/- through aari work. She expresses her heartfelt gratitude to L&TTS and the National Agro Foundation for their invaluable support, which has given her the opportunity to progress as a skilled tailor.

This success story exemplifies the empowering impact of skill development programs, highlighting the transformative journey of women in Perukaranai village.



Reaping the benefits of Soil and Water Conservation Measures



Nagaraj, a traditional farmer who used to grow only maize and horse gram as earlier crop due to poor availability of water from his well. He was unable to even grow less water consuming crops. He used to run his motor for half an hour which serviced only $\frac{1}{4}$ to $\frac{1}{2}$ acre land per day. After Paravathanappankatte pond excavation by Mindtree near his land, the water level in his borewell has increased considerably and is now available at 50 ft. Due to the availability of water for prolonged months and increase in soil moisture in the fields, his cropping pattern has changed. He

has cultivated turmeric in one acre land which is a water loving, 11 months crop but gives good returns upon harvest. In another 2 acres he has planned for growing banana through which he can get a net profit of 1.20 lakhs at the end of one year.

Earlier he used to spend less time in his field growing field crops and now he turned his cropping pattern towards high value crops. He is now employing others in his field for purpose of weeding and other inter cultural operations, thereby creating new employment opportunities for others in the village.

Ensuring a Yearlong Sustainable Income Stream from Multi Cropping System

Most of the farmers in Karepura grow field crops like Maize, Horse gram under rainfed conditions even though they have borewells dug upto 500 to 900 ft by investing huge sums of money. Many farmers closed the borewell as all failed to yield water. This is the condition of all villages before intervention of Mindtree “Integrated watershed community development project”. After the project, the scenario changed and the borewells once left abandoned have now begun to yielding.

Siddesh hails from Karepura village, He used to always grow crops of less importance in his 2-acre field. After the pond excavation and rejuvenation activity near his agricultural land, his borewell has recharged and now he set up bower system to raise bitter gourd in one acre as ample water is now available in his borewell unit. With this additional vegetable cultivation and increased income, he is able to send his son to tuition by paying fees. He is very happy that his water scarcity woes are over and now plans to cultivate more all of his land to earn more profits from sale of various vegetables all year long. Due to this intervention, he is now more motivated to adopt agriculture rather than opt for daily wage labour or migrate to nearby towns in search of employment.



Empowering women through opportunities from on farm livelihoods

Crop diversification has the potential to produce many benefits such as improved soil nutrient concentration and soil fertility. Mrs. Ambuja, owns about 2.5 acres of land, and has cultivated tomato for the first time in her land.

In the past, she was totally dependent on the rainfed season for cultivating small crops due to the severe



water scarcity in the village. However, after the rejuvenation of the Mayanakatte pond in the year 2022. Her borewell which was dug to 470 ft in the year 2022 with poor water yield is now showing water at 300 ft level. She established drip irrigation and now she started growing tomato in 1 acre and chilli in 1 acre land and has also planted 150 coconut trees in their land because of water availability.



Reviving Gunagarambakkam Pond: A Lifeline for the Village

Gunagarambakkam village pond, the once-overgrown and inaccessible pond in their community, previously surrounded by weeds and bushes, the pond was inaccessible and provided limited water for agriculture, leaving the village heavily dependent on rainfall. However, with the collaborative efforts of the National Agro Foundation and Asian Paints, the waterbody has undergone a remarkable transformation. The rejuvenated pond now serves as a valuable source of water for agriculture, enabling the village to sustain their crops and provide water for their cattle. Previously, the village experienced water scarcity during the summer season, but now, with the harvested water, they have a reliable supply for domestic needs. The transformation of the pond, from a small waterbody to a substantial pond, has made a significant impact on the community. The villagers express their heartfelt gratitude to Asian Paints Limited and the National Agro Foundation for their intervention, which has provided them with a lifeline during times of water scarcity. The successful revival of the Gunagarambakkam Pond stands as a testament to the power of collaboration and the positive impact it can have on the lives of rural communities.



The Rejuvenation of Waterbodies in Mahadevimangalam and Surrounding Villages



Dhanraj, a resident of Mahadevimangalam village, expresses his deep gratitude towards the National Agro Foundation (NAF) and Asian Paints Limited for their remarkable initiative in rejuvenating waterbodies in Mahadevimangalam, Gunagarambakkam, Kottur, and Edaiyarpakkam villages. In an agrarian community heavily reliant on rainfall and water from ponds for agriculture, the rejuvenation efforts have brought about significant positive changes. Four interconnected

waterbodies, namely Mahadevimangalam Pond 1, Mahadevimangalam Chitheri, Mahadevimangalam Pond 2, and Mahadevimangalam Temple Pond, have been revitalized, serving various essential purposes. These rejuvenated waterbodies now play a crucial role in supporting agriculture and providing water for cattle. They also serve as vital sources of drinking water, with Mahadevimangalam Temple Pond being particularly significant in this regard. Dhanraj and the entire community are immensely grateful to Asian Paints Limited and NAF for their intervention. The restored waterbodies have brought hope and stability to the village, ensuring improved agricultural productivity, accessible water sources for cattle, and safe drinking water for residents. This remarkable collaborative effort stands as a testament to the transformative power of community-driven initiatives. It exemplifies the profound impact that the revival of waterbodies can have on the livelihoods, sustainability, and well-being of rural communities. The rejuvenation of the interconnected waterbodies in Mahadevimangalam and surrounding villages is a shining example of environmental stewardship, emphasizing the importance of preserving and utilizing water resources wisely.



Improving Education Infrastructure and Facilities in a Government Primary School

The government primary school in Manjarwadi village was in a deteriorated condition with inadequate infrastructure posing a health hazard to the children. BNY Mellon and the National Agro Foundation intervened to upgrade the school, addressing various needs and improving the quality of education. They implemented several initiatives, including the construction of facilities like benches, stage, dustbins, hand wash stations,

kitchen equipment, and computer resources. They also renovated classrooms, toilets, and the school compound. The school now has a better learning environment, with smart classrooms, reading rooms, and improved amenities. As a result, students are more engaged and interested in learning, and parents are willing to enroll their children in the school. The efforts of BNY Mellon and the National Agro Foundation have made a significant positive impact on the school and its students.



Sustainable Livelihoods Blossoming: A Fodder of Change

I am Ravula Satya Narayana, an agriculturist whose life revolves around dairy and farming. Thanks to Novartis and National Agro Foundation, a new era has dawned for my family's income.

The multi-cut fodder seeds, sponsored by Novartis, have been a game-changer. With just 0.25 acres of land, I now produce enough fodder to feed my 5 milch animals, previously relying on 3 acres of dry grass. This shift has led to increased milk production and richer fat content, transforming our livelihood.



Each day, 30-35 kgs of fodder nourish our cattle, reducing dry grass consumption by half, now requiring just 1.5 acres. Harvesting fodder every 40-60 days keeps our animals well-fed and our family thriving. Thanks to Novartis and National Agro Foundation, we've sown not just seeds, but a sustainable future.



Transforming Villages through Sustainable Solutions

Salavedu Village, Tiruvannamalai District's Vandavasi Taluka, has experienced a remarkable change through a collaborative farm pond initiative. Thanks to the joint efforts of TATA Capital, and National Agro Foundation, the village has found a sustainable solution to water scarcity.



The farm pond serves as a crucial water reservoir for irrigation. With its creation, Salavedu has gained a reliable water source that significantly boosts agricultural productivity. This initiative has not only improved the village's agricultural output but also reduced its dependence on unpredictable rainfall.

The success of the farm pond has inspired neighboring communities to consider similar approaches. Salavedu's transformation highlights the potential of partnerships in creating sustainable solutions for rural challenges. This initiative not only addresses water scarcity but also empowers the village with newfound opportunities for growth and prosperity.

Promoting Household Health and Nutrition Through Kitchen Garden

Mr. Needhimohan from Thazhaiyuthu village is doing poultry farming with the support of his wife and has a piece of land in which he is cultivating ash gourd. Though he is a farmer himself, he is dependent on local market for the purchase of vegetables for his own consumption. Most of the vegetable purchased from the market contains chemicals and regular consumption has serious health effects.

His family was provided with 20 native variety of Kitchen Garden seeds and saplings. He started to raise the kitchen garden in his backyard. He is now getting most of the vegetables from the garden which is chemical free. He realized that the kitchen garden vegetables tasted better and his son started to get healthier. He has now started cultivating the kitchen garden for second season with the help of seeds he saved from previous cultivation.





Water Revival: Nurturing Prosperity Through Collaboration

I am Sadashiva Reddy, hailing from Amdoor village in Jinnaram Mandal, Sangareddy District. The collaborative effort between Novartis and National Agro Foundation, specifically the construction of Check Dam No. 5, has brought about remarkable changes in our agricultural landscape.

Through this intervention, we have unlocked a water harvesting potential of 6211 KL. This has not only boosted our groundwater level by around 26 feet but also ensured a consistent flow of water in our borewells. The prolonged water availability, even after the monsoon season, has been a game-changer for our farming activities. We now engage in two crops a year, thanks to this newfound water availability.

This partnership has transformed the way we farm, securing a more prosperous future for us in Amdoor village. Our heartfelt appreciation to Novartis and National Agro Foundation for this impactful endeavor.

Nurturing Unity and Inclusion: A Journey of Giving

I am thrilled to share the incredible impact of the Volunteers Program, orchestrated by National Agro Foundation and supported by BNY Mellon. This initiative beautifully intertwined environmental consciousness, heritage preservation, and inclusivity.



From heartwarming plantation drives to relishing traditional games and even experiencing the charm of bullock cart rides – these activities united us in celebration. What stood out was the profound joy in fostering creativity through portrayal activities and connecting with visually impaired students from the 6th to 8th grade.

The Volunteers Program, a harmonious endeavor by the National Agro Foundation and BNY Mellon, transcended physical and social boundaries. It embodies compassion, unity, and the transformative power of education and community involvement. - Ms Kaviya, Student





Improving Education Infrastructure and Facilities in a Government Primary School

The government primary school in Manjarwadi village was in a deteriorated condition with inadequate infrastructure posing a health hazard to the children. BNY Mellon and the National Agro Foundation intervened to upgrade the school, addressing various needs and improving the quality of education. They implemented several initiatives, including the construction of facilities like benches, stage, dustbins, hand wash stations, kitchen equipment, and computer resources. They also renovated classrooms, toilets, and the school compound.

The school now has a better learning environment, with smart classrooms, reading rooms, and improved amenities. As a result, students are more engaged and interested in learning, and parents are willing to enroll their children in the school. The efforts of BNY Mellon and the National Agro Foundation have made a significant positive impact on the school and its students.

Community Thrives: Embracing Tradition and Green Initiatives

I'm honored to share the impact of the Volunteers Program, organized by the National Agro Foundation and supported by BNY Mellon. Through this initiative, our community experienced a vibrant blend of tradition and eco-conscious activities.

From engaging in plantation drives to reviving traditional games, and even enjoying the simplicity of bullock cart rides and seed ball making – each endeavor fostered unity, shared heritage, and environmental awareness.

The Volunteers Program, a collaborative feat by the National Agro Foundation and BNY Mellon, transcends boundaries. It's more than just activities; it's a celebration of community, tradition, and a greener world.



Improving Household nutrition and health through Nutri kitchen gardens

Mr. Deveraj, a resident of Chennasandiram village is a farmer with four in his family. He is father of a girl and boy child. Growing Commercial hybrid vegetables in the field demands high use of fertilizers and pesticides which results in many health issues. To overcome this situation and to promote the habit of growing traditional vegetables, we supplied 20 types of native seeds to Kuppachiparai Watershed farmers. A Small Productive organic garden was setup in his backyard. He was able to produce approximately 14 Kgs of pumpkin, 3 Kgs of snake gourd, 2 Kgs of bottle gourd, 1.5 Kgs of ridge gourd and sufficient amount of greens, brinjal, bhendi and tomato during the last season. His family was able to feed on chemical free vegetables which helped in improving the health of his children. He has saved the good quality seeds for the next season and will be continuing further.



Promoting Women Headed Small Businesses in Rural Areas

Ms. Jothilakshmi is a home maker living in Lakkapathanapalli of Kuppachiparai watershed. Under Kuppachiparai KfW Soil project, we have distributed totally 20 chicks (15 female chicks and 5 male chicks) of country chicken variety. Country chicken is often more expensive than broiler chicken due to the higher cost of production and the increased demand for high quality, sustainable products.

It has been 4 months since the distribution of country chicks to the beneficiary. She took good care of the chicks which has now turned into hens and cocks. Her family had used nearly 30 eggs for consumption so far. She has now set 25 eggs for hatching for the expansion of poultry farming. Upon further expansion, she will be able to produce the chicken for both meat and eggs. Poultry farming has benefits in health as well as income.



Impact of Training and Demonstration on Organic Farming input preparation

Mr. G. Nedunchezhiyapandiyam is a progressive farmer who is willing to practice Organic farming method. Earlier, he used to depend on the chemical inputs for watermelon and groundnut cultivation. The expenses spent on the chemical inputs like fertilizer, pesticides, insecticides, etc. for watermelon was very high. Every year the consumption of these chemical inputs and their cost was increasing rapidly, but the net income generated was steadily decreasing.

This pushed him towards organic farming of watermelon. He was provided with the training on organic farming input production under Kolathankurichi WDF Project. At first, he started preparing Panchakavya in a 50 liters barrel after the training. He used this Panchakavya in his watermelon field in one acre which resulted in good yield that year. He is now producing additional quantity of Panchakavya and selling it to the local farmers at INR. 150 per litre.

in the same year, he has applied vermicompost in the same field which was distributed through Kolathankurichi KfW Soil Project. It was applied at the time of sowing, 15th day after sowing, 45th day after sowing for better results. This application of organic inputs has noticeably reduced the flower rot, black heart disease, etc. He harvested an additional quantity upto 2 tonnes per acre. His profit was also increased from INR.64000 to INR. 96000.



Thandakarankuppam WDF Project: Intervention: Livelihood support scheme (Loan assistance for Dairy cow)

Women in most of the agricultural and land less households own and nurture at least a Dairy cow. Dairy development has many advantages for these rural women over any other livelihood options and provides good economic benefits as well.

Ms. Sasikala of Thandakarankuppam village had received loan assistance of Rs. 30000 to purchase a dairy cow. She had experience in raising a dairy cow and started to nurture the cow with care. Milk production from the cow was 10 to 12 litres per day. She is earning a profit of Rs.4600 per month through selling the milk in nearby milk society. Her family is also supporting her a lot and her husband takes the milk to society every day. With this amount she was able to repay the loan and also purchased another cow out the savings from first one. Now, she owns two dairy cow and gets milk from at least one cow if the other is pregnant. By having two cows, she was able to supply milk regularly and have a consistent income. She is very hopeful to make it as a micro enterprise and run her own business.



Lighting the Way to a brighter Tomorrow

There are many villages in Thiruchuli Block of Virudhunagar District in Tamilnadu that are still deprived of basic amenities due to lack of infrastructure or poor maintenance of the infrastructure in place. Street light, being one of the basic amenities for ensuring the safety of the commuters in the villages, have not been provided with due attention in the region during recent decades. This has given rise to

a situation where the people spend most of their times in darkness outside the home and during commute. Sufficient lighting can bring in an increased sense of safety and security in people and reduce rate of crime. To address the issue of providing street light in the village, solar street lights were proposed for the village rather than the conventional street lights powered through gridded power supply. Solar power was considered an ideal solution for the problem in order to cut down the expenses incurred due to consumption of conventional energy sources. A total of Eight solar street lights have been installed in Notchikulam village. The lights have been installed in the places that are prominently used by the villagers during the evening and early morning like the mass gathering locations, female commute routes and utility collection spots. The solar street lights are provided with motion sensors that save energy which can be used to illuminate the lights on non-sunny days.

Reaping the Benefits of Adoption of Organic Farming Techniques

Mr. Kaliyappan from Devampalyam village had cultivated marigold in 1 acre of his agricultural land. Under the project, he was demonstrated with sustainable way of cultivation against the conventional method. He was using huge quantity of chemical fertilizers for the cultivation and hence the cost of inputs was also high.



He was provided with Vermicompost tank, Azolla bag and Panchakavya barrel for the production of organic inputs. With the guidance of NAF, he started preparing vermicompost, Panchakavya and azolla on his own. He used Panchakavya and vermicompost in the demo plot of Marigold along with the bio inputs provided. So far, he has produced 100 litres of Panchakavya and 1000 Kgs of vermicompost. He used Panchakavya at 10-days of intervals regularly.

He witnessed an increase in yield by upto 150 Kgs when demo and control plot was compared. His flowers received higher cost in the market which was Rs.80 per Kg because of the size and quality of the flowers. Usage of the organic products had helped in cost saving and reducing the input cost. He was able to fetch an income of Rs.12000 from the cultivation of marigold.

Fast Tracking Business Growth through Mohammadabad Pragatisheel Farmer Producer Company Limited

Mohammadabad Pragatisheel FPCL has been formed under the “Central Sector Scheme for Formation and Promotion of 10K FPOs” located in the Mohammadabad block of Farrukhabad district. The farmers of this region majorly cultivate potato, and maize. This company has 460 farmers as shareholders of whom 81 are women farmers. This region is dominated by small and middle farmers. The FPC has share capital of INR 4,60,000/-, and they have received an equity grant of INR 3,01,000/-

Almost 90% of the farmers of this block cultivate potatoes in Rabi season and Maize in Kharif season. The Board of Directors of this FPC are actively involved in FPC activities. The FPC has procured the potato from its farmers and sold it to Assam. The FPC is also running an input shop to benefit its members. The shareholders and nearby farmers use to purchase all crop related seed, pesticides and fertilizers from this FPC shop due to its close proximity to the village and affordable prices of products. The equity grant received has been used to diversify and expand business operations of the FPC leading to an annual turnover of INR 30,00,000/- during the last financial year.

The FPO plans to diversify into value addition of Potato products such as chips, flour, seed etc. The value added products has a good market with decent returns on investment, hence the FPC is looking forward to establish a value added unit and provide potato seed to its farmers at affordable prices.

They are grateful to National Agro Foundation for the much-needed business direction, operations hand holding support, training and capacity building to the management team to ensure maximum benefits to its farmer members.



Providing Critical linkages and Creating Business Opportunities for Cholapur Kalyan Farmer Producer Company Limited

Cholapur Kalyan FPCL is located at Cholapur block, Varanasi district. Paddy, Wheat, Green vegetables are the main crops cultivated in the area. Cholapur Kalyan FPCL was incorporated under sub-section (2) of section 7 of the companies act, 2013 and rule 8 of the companies (Incorporation) rules, in July 2021. The authorized share capital of the Company is INR15 lakhs and the current paid-up capital is INR7 lakhs. This FPC is promoted by NABARD and is formed under CSS 10000 FPO Scheme. This FPC covers 26 villages in Cholapur block. The shareholders comprise 78 Women farmers.

Cholapur Kalyan FPCL is mainly involved in two major business activities. The first is an aggregation of commodities from the farmers which helps to eliminate the middleman and to get a fair price for the farmers. The other activity is the agro input shop which is mainly to provide good quality inputs to the farmers at an affordable price. The company is involved in aggregation of wheat from farmers and selling it to ITC and Farmart at prices greater than MSP. In the Agro input shop, quality inputs are sold to the members for a minimum price when compared to the private shops.

Cholapur Kalyan FPCL has purchased various farm machinery such as tractor, super seeder etc.; with loan from bank worth INR 16,30,000/- and received a subsidy of INR 12,00,000/-. Along with this, the FPC has also purchased a combined harvester with 50% subsidy costing INR 8,00,000/-, NAF has been instrumental in connecting the FPC with various government schemes and facilitating the subsidies to the FPC to improve business operations. The FPC has successfully established a custom hiring center to cater to the needs of its shareholders.

The equity grant received has been used to diversify and expand business operations of the FPC leading to an annual turnover of INR 8,50,000/- during the last financial year.

FPC has converged with the Namami Gange project for organic farming since many of its farmer members are practicing organic farming. In the near future the FPC is also planning to setup the flour mill and oil processing unit which will process only organic products.

They also have plans to establish a value addition unit that will increase the farmer's income by selling their value-added products through FPC.



Bridging the knowledge gap to ensure greater business potential for tribal farmers in East Godavari District.

Y Ramavaram is primarily a tribal mandal with large tracts of forest land being converted into agricultural land, located in East Godavari District of Andhra Pradesh. The main focus being on cashew crop and pulses as secondary crop. This FPO was formed with 500 farmers covering around 19 villages of Y Ramavaram Mandal. The share capital contributed by the member farmers is INR 6,88,000.

This farmer producer organization was initiated as a way to integrate small and marginal farmers towards the agricultural value chain. In order to leverage the collective bargaining power of the farmers by produce aggregation, mitigate the risk in agriculture, improve the access of farmers to investment, technology, and agribusiness, it was required to work directly with the small and marginal Farmers to ensure that they derive the maximum benefits of this collective action.



Prior to formation of the FPO, the tribal farmers used to cultivate crops with unscrupulous use of pesticides and fertilizers, leading to excessive spending on crop inputs and soil damage in the long run. With the help of FPO by demonstrating Lean Farming Technologies with FLDs the farmers started knowing the efficiency of soil test-based recommendations & improved yield with optimum investment by use of alternative package of practices and low-cost techniques such as application of micro nutrients, azospirillum, phosphobacteria, panchakavya, yellow sticky traps, pheromone traps.

Being under a tribal dominated area, poses its own challenges in terms of terrain and accessibility to resources etc. Marketing of products, inadequate knowledge about value addition, business development, transportation and funding were some of the primary challenges faced by the FPO. The FPO has been able to successfully process 1000 kgs of cashew at KVK, Pandirimamidi, Rampachodavaram and have given 256 kgs to women farmer members to convert them into salted cashew nuts, spicy cashew nuts & mixed cashew nuts and package them into multiple size packets for sale to the consumer segment.



Y Ramavaram Sri Gubbamma Farmer Producer Company Ltd has got two collection Centres approved from the Department of Horticulture under the Agriculture Infrastructure Fund Scheme in which a subsidy of 75% was sanctioned at INR 12.25 lakhs per collection centre. They have also got sanction for 2 power tillers for Chavitidibbalu FPG farmers, at ITDA (Integrated Tribal Development Agency, Rampachodavaram) at 90% subsidy.

Y Ramavaram FPCL is planning to start value addition at a professional level and want to ensure that they market their produce to all parts of the state and across India as well by promoting their brand, increasing their share capital and expanding their business activities and promotions. They are very grateful to National Agro Foundation for educating the farmers on various marketing and branding information as well providing support in expansion of business for the benefit of the tribal farmers in their region.

Testimonials



"National Agro Foundation partnered with our school, organizing impactful Water Conservation competitions and providing educational materials to our students. This initiative fostered understanding and ignited a passion for sustainability. The Foundation's support extended beyond the competitions, including a meaningful plantation drive. We express heartfelt gratitude for their invaluable contributions. We request the Foundation to continue their commendable efforts, ensuring a brighter future where every child becomes an advocate for a sustainable world. Together, we empower youth for a better tomorrow."

- Principal, Gov. School Dulehra



"Thanks to the National Agro Foundation (NAF), the ponds in Masauta village have undergone a remarkable transformation. NAF's rejuvenation efforts have saved the village's water from wastage, improved cleanliness, and provided numerous benefits to the community. The ponds now serve as reliable water reservoirs and offer valuable resources for cattle. NAF's commitment to environmental sustainability is evident through their plantation work, enhancing the beauty and ecological balance around the pond. Masauta village expresses deep gratitude to NAF for their exceptional work, which has significantly improved the lives of its residents."

Join NAF in creating a better future by visiting our website."

- Village Resident, Masauta



I am Sumathi from Poongunam village. L&T Technology Services and National Agro Foundation have joined to promote this activity to conserve the traditional paddy variety. Firstly, they had done the soil tests and gave us the daincha seeds (green manure) for my one acre. Then later, they gave the seeds and inputs, based on soil test report like micronutrients, biofertilizers etc. Then we initiated the seeraga samba, a traditional paddy variety crop for cultivation in our field. After that for the control of pest, they had given solar light trap, yellow sticky trap. Then to boost the cultivation, they had given panchakavya. Finally, we have harvested yield of 16 bags of traditional paddy variety. I thank to L&T Technology Services and National Agro foundation for this wonderful activity of conserving traditional paddy.

-Sumathi, Farmer, Poongunam village



I am Manikandan residing in the village of Pazhavur village in the Chithamur Block of Chengalpattu District. Recently, we were very fortunate to have veterinary camp organized by the L&T Technology Services company and National Agro Foundation for Pazhavur and Puriyambakkam village. They had offered veterinary care for goats and cows. The doctors, provided medical treatment for various ailments, including deworming and artificial insemination and also brought essential supplies like calcium powder for the cows. We deeply appreciate the organizers and the doctors for their dedicated service during a time, when the diseases were prevalent. We are thankful for L&T Technology services.

-Manikandan, Farmer, Pazhavur Village



Greetings, I am Lakshmi Narashimman from Puriyambakkam village. The L&T Technology Services company and National Agro Foundation have approached me to adopt the vegetable demo farm in our field. They have provided me the Navabhar variety Cluster beans seeds. The field was separated as 20 cents for demo and 10 cents for control field. Then in the 20 cents, demo plot they gave the solar light trap, yellow sticky trap and pheromone traps are placed which control the many pests. In the conventional control field, the major pest attack was there, whereas in the demo plot the pest attack was reduced. I had harvested cluster beans of 30kg in one day interval of nearly 25 kg in demo and 5 -7 kg in control. So, I am happy because the harvest was splendid to us with good income from the cluster beans.

-Lakshmi Narashimman, Farmer, Puriyambakkam Village



"I am Selvi from Kannarapettai village. The Agaraharathu lake in our village was filled with bushes and the water was very stagnant and unsafe for domestic consumption. Even the animals would fall sick drinking from this stagnant pool of water covered with insects and algae. This was the condition for more than 30 years. In spite of many requests to the Panchayat, no one was willing to undertake the rejuvenation and help the community dependent on this waterbody for their livelihood and survival. Asian Paints and National Agro Foundation came forward to help the community and has removed the bushes and desilted the waterbody. They also have made stairs and also have done stone pitching to strengthen the banks of the waterbody. This is very useful for the village people, who have started drawing water from the lake again for domestic needs. Even our animals are able to fulfil their drinking water requirements. I would like to thank to Asian Paints and National Agro Foundation on behalf of our village for such a wonderful service to our community'.

- Ms. Selvi, Woman Farmer, Kannarapettai Village



"In Badhur Village, education is undergoing a remarkable transformation. Thanks to the support of TATA Capital, and National Agro Foundation, our school is now a hub of innovation and empowerment for 200 students. Despite challenges, our dedicated teachers use smart classes and creative methods to ignite our learning. The school's holistic approach encourages us to explore beyond textbooks, nurturing our talents. With this joint effort, we're not just gaining an education; we're gaining the tools to create a brighter future for ourselves and our community."

-Gomathi, Student at Badhur Cluster Government School



"I am Kavitha from Punnai Village. Both Punnai Periya Lake (Survey Nos. 251, 252, and 253) and Kongiliyamman Lake in Nathamangalam Village (Survey No. 18) were untouched for 50 years. We urged TATA Capital to deepen and restore these ponds, and they exceeded our hopes. These lakes now span 125 acres each, benefiting both agriculture and supplying water for 250 cows and 380 goats during summers. We extend heartfelt thanks to TATA Capital and National Agro Foundation for their exceptional work in this project. Our village is forever transformed, all thanks to their dedication and commitment."

-Kavitha, Punnai Village, Chengalpattu District, Tamilnadu



"I am Chithra, a proud resident of Nathamedu village in Kanchipuram District. The Pond project, a synergy between the National Agro Foundation and WWL, has truly transformed our village. This initiative has ensured a dependable water source for year-round crop nourishment, reshaping our landscape. Our fields now thrive, free from water uncertainties. The impact goes beyond agriculture; our pond has evolved into a hub of knowledge and unity among farmers. Our heartfelt gratitude to the National Agro Foundation and WWL for rejuvenating our village pond, fostering growth, and enhancing the essence of Nathamedu."

-Chithra, Nathamedu Village, Chengalpattu Tamilnadu



"I am Aswath, proud owner of Sudhatira Agro Products and Services in Thuraiyur, Trichy. Thanks to the National Agro Foundation's Agri Clinics and Agri Business Centres training, our oil extraction unit has thrived. Under the Ministry of Agriculture, Govt. of India's visionary scheme, this endeavor received invaluable training and support. Our display of groundnut, sesame, and coconut oil for sale showcases this success. The Agri Clinics and Agri Business Centres initiative by the National Agro Foundation has uplifted our business and community. This platform symbolizes growth, entrepreneurship, and the future of sustainable agriculture."

-Aswath, Trichy, Tamilnadu

Board of Trustees



Mr. M R Sivaraman IAS (Retd.)

Former Union Revenue Secretary, Govt. Of India
Former Executive Director, International Monetary Fund, Former Advisor, UN Security Council

Dr. N G Hegde

Former President and Managing Trustee, BAIF, Pune Trustee and Principal Advisor, BAIF Development Research Foundation Has rich experience in Sustainable Livelihood and Community Development



Brig. R I Raghunathan, SM VSM (Retd.)

Highly Decorated army officer with 38 years of service in Indian Army. Recipient of Seva medals from the President of India. Renowned strategist who Has been in the developmental sector for the past 10 years.

Mr. S. Swaminathan

Former Tata Tea Nominee Director in the Board of Kanan Devan Plantations Private Limited and Commercial Manager – Air India. He has a vast exposure to social sector projects and NBFCs in India.



Mr J Balaraman

President & Co-Founder, Congruent Solutions Pvt Ltd

Mr. S S Rajsekar

A first generation entrepreneur with over 30 years' experience in real estate promotion and trade. He has been involved in the area of rural upliftment and social and community development. A proactive Rotarian involved in several socially relevant projects in and around Tamil Nadu.



Governing Council Members



Mr. N. Ravi

Director Of Kasturi & Sons Ltd. Previously, Editor-In-Chief Of 'The Hindu'



Dr. S. V. Balasubramaniam

Chairman & Managing Director, Bannari Amman Sugars Ltd., Coimbatore. Leading Industrialist Especially In Agribusiness.



Dr. Y. S. Rajan

Former Distinguished Professor ISRO / DOS and Chairman, BOG, NIT Manipur. Member GoC M S Ramaiah university and a few others. Has Co Authored "Vision 2020" With Dr A P J Abdul Kalam, A Renowned Scientist and Former President of India



Ms. Indu Palaniappan

Former Senior Trade & Investment Adviser to the British High Commission in India, United Kingdom Trade & Investment, UK Ministry of Agriculture. Currently, Business Consultant - International Trade



Vice Chancellor (Ex Officio)

Vice Chancellor, TNAU



Vice Chancellor, Anna University (Ex Officio)

Vice Chancellor, Anna University



Ms. Asha Vijayaraghavan

Former Judicial Member, Income Tax Appellate Tribunal



Shri V M Muralidharan

Chairman of Ethiraj College for Women & CEO of Bhawan Cyber Tek



Shri Nitin Chandel

Head of BNY Mellon Technology Pvt Ltd, India

Our Sincere Thanks, and Appreciation to our supporters, well-wishers and stakeholders who share in our vision and support our every effort in reaching out to the underserved and vulnerable communities in rural India. Reaching out to the last mile is only possible through your continued support and belief in our vision.





Registered Office:

National Agro Foundation
"River-Side", 2, River View Road,
Kotturpuram, Chennai – 600085.
Tamil Nadu, India

NAF Research & Development Centre:

Anna University – Taramani Campus,
CSIR Road, Taramani, Chennai – 600113.
Tamil Nadu, India
Phone: +9144-22542598/22542803
Email: nationalagro@gmail.com

NAF Centre for Rural Development:

376/1, Illedu Village, Cheyyur Taluk,
Kancheepuram District – 603 401.
Tamil Nadu, India
Phone: +9144-27545800/27545501
Email: naf.cfrd@gmail.com

Project Offices:

National Agro Foundation
No. 18, Siva Sri Garden, Thirukumaran Nagar,
Singanallur, Coimbatore – 641005. Tamilnadu

National Agro Foundation
No. 3/5, Nehru Street, Vallalar Nagar,
Vadalur, Cuddalore – 607303 Tamilnadu

National Agro Foundation
Door No. 3, Nadesanar street,
Walajabad, Walajabad block,
Kanchipuram – 631605 Tamilnadu

National Agro Foundation
KONE Elevators - Kavilipalayam Project
No. 8/294, BC Nagar, Koppampalayam,
Kavilipalayam P.o., Erode Dt,
Tamil Nadu- 638 402.

National Agro Foundation
Door No.5/100, Main Road, Velampetta,
Nadakuduru Village, Karappa Mandal,
East Godavari District – 533016 Andhra Pradesh.

National Agro Foundation
House No 563, Near Arun Tiumpers,
Nasrapur, Pune - 412213

National Agro Foundation
First Floor, Near Highness Hazel Banquet Hall,
GarhiBohar, Rohtak – 124021, Haryana

National Agro Foundation
Plot No 61, Ashok Puram, Dafi Post,
Lanka Area, Varanasi – 221011. Uttar Pradesh

National Agro Foundation
Amman Koil Street, Madharpakkam Village,
Thiruvallur – 601202 Tamilnadu

National Agro Foundation
Plot No. 20, Door No. 2A, 2nd Floor,
Opposite to LIC, Kumaran Nagar, Trichy – 620013
Tamilnadu

National Agro Foundation
HDFC BANK - HRDP Project
No. 4/1-1-7 Lakshmipuram, Reddiapatti,
Aruppukottai, Virudhunagar Dt,
Tamil Nadu – 626 118.

National Agro Foundation
LIC HFL - HRIDAY Project
No. 5/408, Narikudi Road, Thiruchuli P.o, Thiru-
chuli (Tk), Virudhunagar Dt, Tamil Nadu- 626 129.

National Agro Foundation
House No 3-89/1, Solakpalle Village,
Jinnaram Mandal, Sangareddy District,
Telangana – 502319

National Agro Foundation
12th Cross, Srikantapuri Extension,
Nanjangudu Town & Taluk, Mysore – 571302
Contact: 8762842173 Karnataka

National Agro Foundation
Manoj Singh Market, KherliHafizpur Village,
Greater Noida, Gautam Budh Nagar District,
Pincode – 203202, Uttar Pradesh



National Agro Foundation Research & Development Centre:
Anna University Taramani Campus, CSIR Road, Taramani, Chennai - 600 113.
Phone: +9144-22542598/ 22542803 | Email: nationalagro@gmail.com | naf@nationalagro.org

www.nationalagro.org