

2020-2021

# Annual Report



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## Preface;



*Our work in the financial year was carried out in 983 villages & hamlets in 30 districts. Around 115900 families were directly and indirectly facilitated with necessary guidance and support in building sustainable livelihoods, awareness on health and hygiene of the communities and education of rural children. During the year many socio-economic development projects were implemented in 13 project locations with a major focus in agriculture development and addressed farmers' needs such as soil and water conservation measures, demonstration and adaptation of new technologies in the enhancement of agriculture produces, efficient use of water, organic farming etc.*

*Despite sudden outbreak of Covid-19 pandemic and the country wide lockdown imposed for almost 5-6 months which troubled us, we were able to complete most of the planned activities in a systematic way and after following all the Covid protocols.*

### **Geographical Reach**

- ▶ **13 project locations in 5 states of Karnataka, Andhra Pradesh, Telangana, Tamil Nadu and Puducherry.**
- ▶ **983 villages / hamlets covered**
- ▶ **374 Grama panchayats in 69 taluks in 30 districts 115900 Families**
- ▶ **31600 farmers supported**

**Achievements and Success Stories****Domain : Natural Resource Management****Interventions**

*Enrichment of agriculture land and creating water storage infrastructures for sustainable agriculture development has been the major needs of the farmers in the Myrada's watershed projects implemented areas. Myrada facilitated farmers, especially CBOs, in mobilizing resources from government and CSR projects and fulfilled some of their needs and facilities. Climate change adaptation, efficient use of water and enhancement of agriculture production were some of our major interventions during the year. Community based organizations such as watershed committees, farmers' producer organizations (FPOs) and community managed resource Centres (CMRCs) were trained and provided with necessary guidance for effective functioning which included joint collaboration with government departments and local bodies.*

**Achievements**

- ▶ During the year farmers saved 7.2 billion liters of water in agriculture especially in paddy cultivation by adapting water saving techniques such as AWD & SRI methods and application of Azolla (aquatic floating fern) & Bio-fertilizer in 526 farmers' lands.
- ▶ 64 farmers from 16 backward villages of Raichur, Bidar and Gulbarga districts, Karnataka state were trained and provided with sprinklers for demonstrating efficient use of available water to their neighbors.
- ▶ Water harvesting and recharge structures such as check dams, farm ponds, sunken ponds, bore wells and dug wells were created in the watershed development areas and increased water sources for agriculture. [\(See the details on the page no.15\).](#)
- ▶ 100 farmers were motivated and assisted with mulching sheet to support cost effective vegetables cultivation. Use of mulching sheet helped farmers in water conservation, weed control, increased root development, controlled soil erosion and pest.
- ▶ Inter cultivator weeder machine was provided to the farmers in 27 villages and helped them in removing weeds through this machine. Farmers in these villages use this machine on rotation basis and find it useful for easy weeds collection. The fuel cost is borne by the users. This reduces man power labour costs.
- ▶ Soil and water conservation measures such as construction of earthen & boulder bunds, trenches, gully plugs were created and helped farmers in controlling soil and water erosion and improving agriculture production.

- ▶ Around 31600 farmers have benefitted either direct or indirectly.
- ▶ During the covid-19 lockdown period (April – August 2020) Gulbarga district project staff facilitated and supported 4500 family members with employment opportunities and helped in generating income through different watershed development works carried out in 10 project villages of Gulbarga district. This was achieved under MGNREGA scheme in collaboration with the watershed development department, Karnataka. Around 1.15 Lakhs man-days of work was provided in 3-4 months and used for their daily domestic needs during the disaster period. The total amount mobilized from MGNREGA scheme as wages was around INR 3.60 crores.
- ▶ 1.77 lakhs saplings were planted in 478 acres of uncultivated dry land to promote agro forestry and horticulture plants. Almond, cashew, guava, mango, lemon and sappotta fruits saplings were distributed to the farmers and will create an income source in 4-5 years' time.
- ▶ Avenue plantation work was carried out through 40000 saplings across the project villages covering village roads, schools, grama panchayat offices etc.
- ▶ 33 Farmers Producers Organizations (FPOs) promoted in the projects extend agriculture related support to their members such as credit facilities, sale of agriculture inputs at reasonable price, renting of agriculture equipment and machineries, training support for agriculture practices, operations and governance and market linkage support. Around 19030 farmers have accessed the above facilities.
- ▶ 160 farmers utilized fodder development program implemented in the project areas and cultivated healthy fodder on their bunds, tank bunds, nala and in other grazing waste lands. The farmers get good quantity of fodder for their milch animals and get good milk production daily.
- ▶ 47 common tanks in the villages were de-silted and increased water capacity of the tanks. 85733 tractor loads of silt were collected and applied in 583 farmer's agriculture land for enriching soil.
- ▶ 85 farmers in Kadiri district of Andhra Pradesh were trained and supported for summer ploughing in 100 acres and controlling weeds, soil erosion and pests to help farmers in sowing and planting of crops immediately after start of monsoon season. Millet and pulses were grown under intercropping method.





## Success stories

### 1. A breakthrough solution for efficient use of water in agriculture

Efficient use of water and enhancement of agriculture produces, mainly in paddy, vegetables and rose cultivation has been one of our new successful project interventions since 2 years. Myrada facilitated 526 farmers in saving water in paddy cultivation using AWD and SRI methods and application of Azolla in 14 villages in Puducherry which brought good result in terms of increased yield and income. 225ha of paddy field was used to experiment through field demonstrations by adapting these advanced technologies and empowered farmers on the above practices. An estimated 7.2 billion liters of water was saved in the year through these techniques.

Similarly application of Micro Nutrient (MN) and Nano Meter Particles Size (NMPS) spray, which are non-chemical fertilizers, was introduced to the farmers of 13 villages in Hosur Taluk of Krishnagiri District in Tamil Nadu which gave increased yield compared to the traditional application of chemical fertilizers in tomato, potato, beans and rose cultivation. Live demonstration in 19 ha land of 106 farmers was carried out on the method and application of MN and NMPS with regular spot visit and capacity building trainings. Field day training programs were conducted for all the village level farmers after every harvesting season to build awareness on the impact of the micro nutrient application and to motivate them to adapt these techniques in the future. We expect at least an additional 1000 farmers to follow in the coming seasons.

S#	Interventions	# Demonstrations		# Adaptation	
		Tamil Nadu (188 Farmers)	Puducherry (526 Farmers)	Tamil Nadu (701 Farmers)	Puducherry (784 Farmers)
1	Azolla	02	154	-	943
2	AWD	-	42	-	26
3	SRI	-	24	-	-
4	MN	39	140	874	-
5	NMPS	71	-	-	-
6	Dhaincha	-	140	-	-
7	Zeba	72	-	-	-
8	Drip cleaning	28	-	-	-
9	Mulching	20	-	118	-
10	Soil testing	14	-	173	-
11	Inter cultivator weeder	08	-	296	-
12	Bio Fertilisers	-	140	-	-
	<b>Total</b>	<b>254</b>	<b>640</b>	<b>1461</b>	<b>969</b>

### 2. External resources mobilization (Convergence)

A sum of **INR 3.63 crore** was mobilized in the form of labour wages through different **MGNREGA** works for undertaking common works such as renovation of common tanks, common/public open and bore well deepening and de-silting, strengthening bunds (earthen bunds) of common/public ponds and lakes and construction of recharge pits for open and bore wells in the project area of **Gulbarga district**. This is one of the models tried and succeeded in mobilizing resources from the watershed development department through **MGNREGA** scheme which have helped local poor communities in generating employment and income for almost a period of 3-4 months through daily wage works. Around 4,500 family members could earn a sum of Rs.295/-per day each as wages. This is first of its kind in our history where we have mobilized such a proportionately huge amount through convergence for the watershed development.

Details of resources mobilized from <b>MGNREGA</b> scheme		
Sl#	Wages mobilized for the following works	Amount mobilized
1	Earthen Bund	80,44,915
2	Agro Forestry	64,800
3	Farm Pond	6,91,105
4	Renovation and De silting of open well	2,58,527
5	Bore Well Recharge Pits	5,85,671
6	Tank De Siltation	43,95,621
7	Nala Training	2,22,70,814
	<b>Total</b>	<b>3,63,11,452</b>

Due to the Covid-19 outbreak in the country and the sudden lockdown announcement by the government of India, many daily wage workers suffered without income for almost 6 months and could not manage their family's daily needs such as food and other routine expenses. We are happy to report that we could provide regular labour work during this disaster period and helped people of the 10 watershed development project villages implemented in Gulbarga district.

This would not have been possible without the timely support as well as accepting our strategy of engaging labour for common development works in favor of the village communities by the authorities of Watershed Development Department, Karnataka.

In-kind contribution from the beneficiaries was ensured through manpower work for different land development works carried out in the individual land such as construction of boulder bunds, pebble bunds, waste weirs, bore well recharge pits in the agriculture land and de-silting of open wells used for agriculture.

### 2.1 A dream come true for Ms. Kamalamma (Woman Farmer)



Ms. Kamalamma living in Deventegnoor village in Gulbarga district is a woman farmer working in her 6 acres of own land. Some years back she had sold out the land due to some financial crisis in her family. A few years back the present land owner asked Kamalamma to take it on lease and continue her agriculture. Though she had some hesitation she agreed to the deal and became a farmer again.

There was an open well in her farm constructed by her grandparents long ago but it is dried due to accumulation of silt and stones. Kamalamma had earlier thought of de-silting the well but was unable to do so due to lack of money. With the support of the watershed project implemented in her village, and at a cost of Rs.25,800/(her own contribution of 2600/-) she undertook de-silting and deepening of the well. The well got filled with 13ft of water of the total 30ft depth and Kamalamma felt very happy to see water in the well after many years. She conveys her heartfelt thanks to Myrada and the donor BFIL and hopes to continue being a farmer for a long time.



### 3. Vermicompost production – an Eco- friendly venture



Thippeswamy residing in Malinahalli Kaval of Holalkere Taluk in Chitradurga district cultivates Arecanut, Maize and Onion crops in 3 acres. He has been applying chemical fertilizers since many years but now has changed his mind set and started applying vermicompost produced by himself in his land which he learnt in the course of a short duration capacity building training conducted by Myrada Green College (MGC) at Holalkere in Chitradurga District. Thippeswamy has set up 8 compost production structures

each with a size of 12"x4"x3"ft

totaling around 3.2 tonnes compost in six months' time. During the year he applied vermicompost for the arecanut plants and harvested an additional 150kgs. The compost produced is sufficient to one acre of arecanut plants and saved excess money in spending for chemical fertilizers. Like Thippeswamy other farmers in the area may adapt the same practice in the coming years.



### Domain : Livelihoods Development



#### Interventions

*Empowering women through building and strengthening community based organizations has been one of our focus areas. We have promoted large numbers of SAGs, SAG Federations, CMRCs, Farmers Interest Groups (FIGs), FPOs etc., and built capacities through systematic trainings to ensure their effective functioning. Community based institutions are the main stakeholders which have been playing a major role in the sustainable development of their members.*

*We extend required handholding support to these CBOs and facilitate them in lobbying for promotion and strengthening of income generation activities. Skilling for jobs and entrepreneurship development for SAG members and unemployed youth was organized as was the promotion of rural micro enterprises.*

#### Achievements

- ▶ 4800 farm and non-farm based income generation activities were promoted and strengthened with a financial support mobilized by the SAGs through SAG-Bank credit linkages, rotation of SAG's internal savings as loans and from project funds. Tailoring business, petty shops, chilli powder grinding units, livestock, beauty parlor, flower vending, fruits stall, hotel business are some of the IGAs promoted and managed by women and youth.
- ▶ SAGs in chitradurga mobilized rupees 3.12 crores through project funds, MFI & bank credit linkages and provided IGA loans to 1045 members. Of these, 38 trained SAG's members have undertaken cow rearing and each member earns rupees 5000/- to 8000/- per month.
- Rs.8000/- to Rs.10,000/- month and contribute to their family finances.
- ▶ Out of 240 farmers trained in bee keeping skills 198 farmers have set up their own honey production units. In the last six months 623kgs of honey was produced by 143 farmers and sold out at Rs.600/- per kg. The farmers are planning to set up more bee boxes and colonies in the coming months for getting more money.
- ▶ 365 rural women trained in tailoring skills have started their own enterprises and earn an income of Rs.1000/- to 3000/- per month. 108 skilled women were provided with employment opportunities through setting up skill training Centres in their houses who in turn train SAG members like young mothers and adolescent girls and earn income by charging Rs.200/- per member as fees.
- ▶ 32 trained SAG members in tailoring last year were supported with free sewing machines.



- ▶ As a result of introducing AWD and SRI methods and application of Azolla, attempted under a special project in Puducherry, 486 paddy cultivators gained 54 tonnes of extra yield and an additional income of nearly rupees 8 lakhs out of 300ha in one season.
- ▶ Similarly 65 additional tonnes of vegetables in 19ha was cultivated with an additional income of rupees 26 lakhs from the cultivation of tomato, potato, beans and roses through application of chemical free fertilizers such as micro nutrient and nano meter particle size spray.

## Success stories

### 1. A model “Rural Mart” for agriculture inputs sale

Irudhukottai is a small village situated 9kms from Denkanikotai in Krishnagiri District, Tamil Nadu. The village has around 200 families most of whom are small and marginal farmers. The main occupation of the landless families is agricultural labour. Myrada implemented a watershed development and climate change adaptation project in the village and facilitated farmers and communities for access of water for agriculture through construction of rain water harvesting structures like check dams, farm ponds, bore well and dug wells recharge pits etc. Families from Irudhukottai and neighboring villages could benefit from the above watershed infrastructure.

The Rural Mart is managed by a female member of the farmer's federation and she is paid an incentive of Rs.4000/- per month. The shop rent is Rs.5000/- per month. On an average the total volume of sale per month is around 1.25 lac per month and the income is Rs.7,500/- to 10,000/-. Both are expected to increase as the rural mart stabilizes.

Myrada observed some major issues faced by the Irudhukottai village and surrounding areas farmers in purchasing required agriculture inputs such as cattle and poultry feed, fertilizers etc. Farmers felt the need for someone to set up a sales shop within their village.

Myrada with the help of NABARD has setup a rural mart in Irudhukottai village. The initial working capital of 1.66 lakhs was mobilized from NABARD (36,000/- as grant) and from a nearby Watershed Committee (1,30,000/- as a loan) respectively.

The rural mart is working since December 2020 and supply agriculture inputs at a reliable and reasonable rates which is managed by one of the federations of farmer's group called Malaimugil farmer's coordination group. The federation procures all the agriculture inputs from a whole sale merchant from the nearby town and sells it to the farmers. In addition to this the Rural Mart also procures agriculture produces from the farmers in the village at a good market price and sells it to the consumers. Here the middle men involvement has been stopped and farmers get very good price for their produce

directly through the Rural Mart. Irudhukottai and other nearby village farmers would benefit in accessing for agriculture inputs and save time and money in the future. The federation members and the village communities are very happy in establishing a model mart as a model service centre for the farmers.



## 2. Impact of Covid-19 and the transformation of Lakshmikant's life



Lakshmikant is one of the resident living with his family members in Pattan village of Kalaburagi taluk in Kalburagi district, Karnataka. He is a daily wage worker and earns Rs.300/- a day which is not sufficient to run his family. Two years back he took a decision to migrate to Bangalore for want of regular job and fortunately he and his wife got a job in pharmaceutical company and together was earning Rs.15,000/- per month as a housekeeping and maintenance work and was happy with a regular

income. Due to the sudden outbreak of Covid-19 and the nationwide lockdown the pharmaceutical company announced shutdown and he and his wife lost their job. Lakshmikant couldn't survive in the city for a long time without any work and income and returned to his native village when the government arranged transport for the migrant workers to come back to their native places. Again he was not able to get any job in the village or nearby city as the lock down was extended month after month and found it difficult to manage his family without any income.

Understanding Lakshmikant's family's status and the other communities in the village the community resource person working in the watershed development project interacted with him and arranged a job card for daily wage work under MGNREGA scheme in his panchayat. Myrada observed and realized the economic condition of his family and the village people suffering for food and other daily needs without income during the covid-19 lockdown and acted immediately to support the communities for income source. As the watershed project was implemented in the village Myrada created employment opportunities for the people through labour work engaged in the watershed development work such as construction of bunds, nala treatment, construction of farm ponds in the private farmers land and renovation of common tanks, wells water drainage works etc. In negotiation with MGNREGA officials the worker's wages was paid under its scheme and helped them in earning their livelihood until lockdown relaxation announced in the month of August-September 2020. Each eligible family member in the village was engaged in different land development work carried out in the project area and earned a minimum of Rs.20,000/- to 35,000/- in a period of 3 months.

Lakshmikant and all his village communities expressed gratitude to Myrada for providing timely employment and helping them in overcoming from the difficulties faced during the covid lockdown.



Domain : Health and HygieneInterventions

*Besides our regular interventions on health and hygiene domain, we focused on educating CBO members, children and adolescent girls on various Covid-19 precautions and protocols and created awareness. Networking with corporates and health department we mobilized ration items, masks and sanitizers and distributed to the communities. Covid-19 awareness programmes were organized in the villages and oriented them on wearing masks, washing hands, social distancing etc.*

*Above all we continued implementation of Active Case Findings of TB, NCD across 26 PHCs and 836 villages spread over the districts of Gulbarga, Yadgir and Bellary. Despite severe constraints posed by covid created issues, our field teams were able to achieve heartening levels of performance in detection of chronic diseases through our CMRC / SAGs networks and referral of identified cases to the government health care system.*

Achievements

- ✚ Toilet facilities created to 168 families in the rural areas and reduced open defecation and spread of communicable diseases such as malaria, dengue etc.
- ✚ Animal health camp was conducted in 22 villages and treated 7000 cattle with deworming, pregnancy diagnosis, artificial insemination and vaccination.
- ✚ In collaboration with the department of health and family welfare, Gulbarga, Yadgir and Bellary districts in Karnataka, Myrada implemented a special project and facilitated in the process of TB reduction and awareness on communicable disease in 836 selected villages in these districts. Around 1327 TB positive cases were identified during the year and referred for the treatment.
- ✚ General health camp was conducted for general public in two villages and 550 people participated and got their health checked.
- ✚ Safe drinking water facility through bore well was created in 5 villages of Raichur district, Karnataka and operational and management problems were settled by empowering the SAGs to run the facility.
- ✚ Mobilized masks, sanitizers and ration items and distributed to 7500 children and 1550 families.



## Domain : Education



### Interventions

*Covid-19 pandemic disrupted children's education during the academic year without class room learning in the schools. Due to nationwide lockdown, spike in corona cases across cities, towns and villages the schools were closed for a long period and without tests and exams all class children were promoted to the next level of education. Though online classes are being conducted by many schools, access for internet connection and poor connectivity in the villages played a major cause for decrease on the quality of education of children. Children are made to stay at home without any physical activities, no contact with their school mates etc., which made them idle with mental strains. Myrada staff helped these children enrolled in the CGs and CRCs to overcome this by conducting activities in the villages and ensured learning with physical activities while observing necessary covid protocols.*

*Life skills development of school children especially girls under the age 13-16 years has been our major intervention for the last 4 years in 29 villages of Karnataka and Tamil Nadu. Children groups (CGs) and child resource centres (CRCs) were promoted in the selected government schools and villages and provided guidance and support for quality education, awareness on health and hygiene, promotion of kitchen gardening, computer skills, spoken English, leadership skills, general knowledge etc. These interventions helped children in performing well in their studies and developed good morals, good presentation skills etc. Apart from the life skills, we have also facilitated schools and communities in establishing infrastructures like painting of day care centres with pictures of animals, alphabets for improved learning of 3-5 years children, school building repairs and class rooms' painting works.*

### Achievements

- ▶ During the Covid-19 pandemic lockdown period primary and high school girls (1381) and boys (611) were supported with tuition classes in their villages and conducted life skills education activities and maintained their continued interest on studies with regular visits, guidance and motivations.
- ▶ 9 primary schools and a day care centre was renovated with painting works, developed education related diagrams and art on the class room walls such as animals, birds, historical leaders and alphabets and created conducive learning environment for the children.
- ▶ 14 ICDS run day care centres are equipped with sitting chairs facilities for the children in 5 villages of Raichur district. 234 chairs were provided.
- ▶ 131 rural children with poor economic background were supported with school and college fees as a loan from SAG's savings to an amount of rupees 50 lakhs and enabled them to continue their higher studies. 65 students for college degree and diploma courses, 21 students for technical education and 45 high school students studying in private schools benefitted.

### Domain : Capacity Building



### Interventions

*Myrada has been providing capacity building trainings to the staff, beneficiaries and project stakeholders across its projects through 3 different institutions established by its own. **CIDORRs** in all the project locations, **Myrada Green College (MGC)** in Holalkere, Chitradurga district and **ICAR-KVK-Myrada** in Erode district are some of the training and research centres which impart various trainings, agricultural and projects research & evaluation etc., especially to the farmers and CBO members. Here we bring you some of the success stories of the capacity building program of 2020-2021 for your reading and exploring possibilities for utilizing our facilities and expertise.*

Achievements**1. CIDORRs & MGC**

- ▶ 16000 farmers were trained on soil and water conservation measures, efficient use of water, new & advanced technologies in sustainable agriculture, preparation of bio-fertilizers, use of new varieties of seeds, soil testing, climate change adaptation techniques, water harvesting etc.
  - ▶ CBO members in the project such as SAGs, CMRCs. SAG's Federations, FPOs, and FIGs were provided with periodical capacity building trainings to enable them in the effective functioning of their groups. 1792 CBO representatives participated in trainings on resource mobilization, financial management, liaison with various service agencies etc.
  - ▶ 540 high school girls studying in government schools were trained on awareness on personal and menstrual hygiene practices.
- ICAR-KVK, Myrada-Erode**
- ▶ On-field trials (OFT) on Technology Assessment in agriculture was carried out on the thematic areas such as integrated nutrition management, varietal evaluation, integrated pest management, value addition in sugarcane, sustainable mushroom production and in dairy animal reproductive management. The farmers engaged for the above trials expressed that the technologies suggested and demonstrated in the field provided good results on pest control, enhancement of crop yield etc.
  - ▶ Frontline demonstrations on livestock especially on cattle, poultry and goat were carried out to create awareness on disease management, breed evaluation and production management respectively. The demonstration was carried out with 330 cattle and poultry birds covering 25 farmers in the project area.
  - ▶ 489 farmers and youth were trained in different business skills such as goat rearing (29), honey bee rearing (380), mushroom cultivation (35) and banana fiber extraction (45).
  - ▶ 88 youth from Chitradurga district were trained in carpentry skills for a period of 2 months.
  - ▶ 365 rural women from Chitradurga, Kolar, Chamarajanagara, Bellary, Gulbarga, Tumkur & Shivamoga districts were provided with tailoring skills trainings implemented under the program "Silai Schools" established in the villages with the support of Usha international Ltd. Total 108 silai schools are functioning since 2008 in 7 districts of Karnataka state. Trained rural women are engaged as trainer in these centres and provided employment opportunities.
  - ▶ Various success stories, skills trainings, demonstrations, new technologies in agriculture and other capacity building of farmers, youth, women and CBOs etc., have been documented and published in the quarterly newsletter in the name of "News Reporter", on the activities carried out in KVK-Myrada functioning in Erode District, Tamil Nadu. [myradakvk@gmail.com](mailto:myradakvk@gmail.com); [KVK.Erode@icar.gov.in](mailto:KVK.Erode@icar.gov.in).
  - ▶ Covid-19 safety precautions and protocol's awareness programs was carried out through demonstrations, brochure distributions and door to door visit at all the project locations in 5 states of south India to create awareness and created awareness among the public in social distancing, wearing of masks and personal hygiene practices regularly. Children groups (CG) and children enrolled in the child resource centres (CRCs) were trained with demonstration on Covid-19 protocols who in turn oriented other members in their families and neighbors.



## Success Stories

### **1. Success of Bee Keeping Enterprise - Collective Approach (KVK-Myrada, Erode)**



Skill building is one of the areas of intervention of Myrada in its working villages of all the projects and provides opportunities for women and youth for employment and income generation for livelihoods development. KVK-Myrada project in Erode district has established a resource cum knowledge centre and set up a model bee keeping unit through which regular trainings in bee keeping skills are imparted. During the financial year 380 women and youth were trained in bee-keeping skills and promoted entrepreneurs in extracting honey and marketing in the district.

As a result, cluster level honey production units has been set up in 8 blocks and extracting honey by the trained women and youth in the district. In an average 250 kg / month of honey is being extracted and marketed with 42 branded honey based products in and around cities and towns of Erode district through farmer's outlets, FPOs, organizing exhibitions and other institutions. A sum of Rs.75,000/- is generated as an income on every season (4-6 months) by the trained people by KVK-Myrada.



Our KrishiMitras and Village Level Technocrats working in the project made regular visit to these units and provided technical guidance and support and empowered farmers in bee keeping. Also KVK-Myrada extended technical assistance for establishing honey bee farm to the farmers in the neighboring districts such as Salem, Thiruppur, Krishnagiri, Thiruvannamalai and Coimbatore districts.

As bee keeping is one of the oldest traditions for collecting honey in India more farmers should be trained and motivated by NGOs and development organization. Conserving bees is important in all present and future scenarios. Honey bees play a vital role in pollination and sustainable eco system management. Intensive cultivation and heavy usage of chemical fertilizers in agriculture leads to drastic reduction in natural bee colonies. KVK-Myrada will continue in training more people in bee keeping skills and promote entrepreneurs in the coming years too.

## 2. Yield enhancement in Banana cultivation- IIHR Banana Special



Banana is one of the major cash crops being cultivated around 10480 ha in Erode district with the productivity level of 38 ton/ha. The soil test reveals that, the micro nutrient status of soil shows below than the desirable level which ultimately leads to decrease fertility level of soil. Micro nutrient deficiency (Zinc, iron, Copper, Manganese) is severe in the banana cultivated areas of Erode district. To manage micro nutrient deficiency in banana cultivation, KVK-Myrada introduced a new initiative called **banana special** (micro nutrient formulation spray) innovated by IIHR, Bangalore over the decade and supports banana growers in and around the district.

**“Banana special”** is a crop with specific micro nutrient formulation comprising of Zinc, iron, boron, Copper, Manganese, magnesium and molybdenum and made available to the plant by foliar application, which helps quicker absorption and results in higher yield and better quality. 6kgs of Banana Special recommended for an acre as a foliar application recommended by IIHR. The beneficial effect is observed within 72 hours of spray to the crop.

KVK-Myrada trained and empowered 2462 farmers (members of FPOs, CMRCs, and AESEs), input dealers, entrepreneurs and extension functionaries in the district on the application of banana special for improved growth and productivity through increased nutrition of the plant. Around 2132 farmers have adapted this new technique in banana cultivation and harvested 14017 kg from 2336 acres in the district. The yield increase observed is 15-20% with an additional income of Rs.53,000/ha.



The farmers of Salem, Namamkal, Krishnagiri, Theni, Madurai, Cuddalore districts in Tamil Nadu and Palakad in Kerala are regularly approaching our KVK centre and availing banana special technology inputs, knowledge and skills and started adapting the technique.

**Some Facts and Figures -2020-2021**

Domain	Particulars	Units
Natural Resource Management	# Farmers benefitted	31,610
	# Check Dams renovated	28
	# Inter cultivator weeder support to farmers	32
	# Common tanks de-silted	47
	# Open wells recharge pits constructed	53
	# Check Dams Constructed	60
	# Farmers supported with mulching sheets	100
	# Open wells de-silted	122
	# Bore wells recharge pits constructed	147
	# Bee-Keeping units promoted	218
	# Vermicompost units constructed	250
	# Farm ponds constructed	406
	# Sprinklers support to farmers	407
	# farmers benefitted by applying silt in their agriculture lands	583
	Total land treated by application of silt - In acres	3075
	Total land treated ( In acres) with different soil and conservation measures	15238
	Area of boulder bunds constructed – In meters	21265
	# Agro forestry plants planted	79,232
	# tractor loads of silt de-silted	85,733
	# Horticulture plants planted in dry land agriculture	98,533
	Area of trenches constructed – In meters	160148
	Area of Nala treated – In meters	198765
	Area of earthen bunds constructed – In meters	422771
Livelihoods	# Trained youth got outside employment	8
	# Trained women got outside employment	19
	# SHG women trained in job based skills training	211
	# Trained women self employed	461
	# Trained Youth self employed	702
	# Youth trained in job based skills training	920
	# Non-farm based IGAs promoted	1,452
	# Farm based IGAs promoted	3,377
Health and Hygiene	# Bio-gas plants for families constructed	10
	# Safe drinking water facilities created / repaired in the villages	10
	# House hold toilets repaired	14
	# Animals health camps conducted	42
	# House hold toilets built	136
	# kitchen garden promoted in the families	2,060
	# Animals treated	5,084
Community Based organisations	# Active FPOs in the project areas	33
	# Active CMRCs in the project areas	45
	# Active FIGs in the project areas	802
	# Active SHGs in the project areas	3,925
	Total members in the FIGs	13,758
	Total members in the CMRCs	15,784
	Total members in the FPOs	19,039
	Total members in the SAGs	51,551



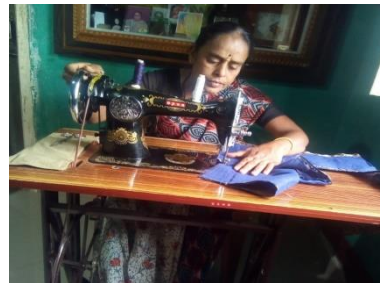
**Financial – 2020-2021**

<b>CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31 MARCH 2021</b>			
EXPENDITURE	2020 - 2021 Rs.	INCOME	2020 - 2021 Rs.
Livelihoods	1,18,98,117.32	Grants	23,88,46,927.97
Natural Resource Management / Watersheds	16,17,18,620.34	Contributions received	5,90,690.00
Health and Sanitation	1,85,42,319.72	Contribution towards accommodation	52,000.00
Education	1,90,98,773.21	Donation	-
Institutional Capacity Building	19,33,38,55.68	Interest on Savings Bank Account	26,93,418.05
Purchase of Assets	68,37,723.00	Interest on Fixed Deposits	2,71,03,296.15
<b><u>SURPLUS transferred to :</u></b>		Interest on IT refund	3,630.00
Donor's Account	2,15,13,624.16	Disposal of Assets	33,564.00
Corpus Fund Account	1,02,05,516.04	Rent	6,41,100.00
Project Corpus Fund Account	8,67,141.98	Other Income	51,065.28
Total	27,00,15,691.45	Total	27,00,15,691.45

In terms of our report of even date

**Shri.Arvind Risbud IAS (Retd.)**Executive Director  
Myrada

## Activities Pictures



## Acronyms

<b>AESC</b>	Agri Entrepreneur Service Centre	<b>MGNREGA</b>	Mahatma Gandhi National Rural Employment Guarantee Act	<b>IGA</b>	Income Generation Activity
<b>AWD</b>	Alternate Wetting and Drying	<b>MN</b>	Micro Nutrient	<b>IIHR</b>	Indian Institute of Horticultural Research
<b>CBO</b>	Community Based Organizations	<b>Myrada</b>	Mysore Resettlement And Development Agency	<b>MGC</b>	Myrada Green College
<b>CG</b>	Children Groups	<b>NABARD</b>	National Bank For Agriculture Development	<b>SAG</b>	Self-help Affinity Groups
<b>ha</b>	hectare	<b>NCD</b>	Non Communicable Disease	<b>SRI</b>	System of Rice Intensification
<b>CMRC</b>	Community Managed Organizations	<b>NGO</b>	Non-Government Organization	<b>TB</b>	Tuberculosis
<b>CRC</b>	Child Resource Centres	<b>NMPS</b>	Nano Meter Particle Size	<b>FPO</b>	Farmers Producer Organization
<b>CSR</b>	Corporate Social Responsibility	<b>OFT</b>	On-Field Trials	<b>PHC</b>	Primary Health Centre
<b>BFIL</b>	Bharat Financial Inclusion Limited	<b>FIG</b>	Farmers Interest Groups	<b>ICAR</b>	Indian Council of Agricultural Research
<b>HRDP</b>	Holistic Rural development Project	<b>FLD</b>	Field Level Demonstrations	<b>KVK</b>	Krishi Vigyan Kendra
<b>CIDORRs</b>	Centre for Institutional Development organizational research and reforms				





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