



ANNUAL REPORT 2018-19



SPEECH

Society for Public Education Environment Cultural & Health

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Annual Report 2018-19

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SPEECH NGO Chitradurga ANNAL REPORT 2018-19

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Message from Secretary,

Dear Friends,

With evolution of Swach Bharath & Eco friendly Green energy concepts during this financial year I write this message, there is much change and promise of progress and development around us. There are fresh challenges heading our SPEECH organization and we expect rapid growth in all areas, as our Organization continues to do its best for bringing about socio-economic change in our area. We are happy to record that in past few years since our Inception, we have grown with our hard work to change the socio economic conditions of rural area by bringing economic sustainability in them as they are the backbone of our country. Our organization worked with its excellence in various activities like Climate Change Adaptation, Watershed development in conserving the natural resources and health care activities to develop awareness among people on total sanitation and strengthening human resource. In order to solve the energy crisis and maintain environmental balance recently our organization involved in activity developing future renewable energies such as Solar Energy, bio-fuel by creating awareness to SHG members in rural areas with addition to pollution control, solid waste management, Roof Water Harvesting trainings with the support of MGIRED(Mahatma Gandhi Institute of Rural Energy Development) Bangalore. Our mission is directed towards bringing about positive socio-economic, education, health and environmental change, through our dedicated volunteers, with their hard work and commitment, training, workshops and appropriate implementation strategies.



We are extremely glad & proud to present 2018-2019 annual report introspecting our focus, planning, execution to reach our destiny and I would like to thank all our committed volunteers, partner NGOs, supporters, trainers and the Joining Hands for all their hard work and dedication, in particular NABARD and my fellow trustees.

Thank you

Best wishes

Yours Sincerely

Mr.Sheshanna.H

Secretary

From Director's Desk

Credibility and the impact it makes on any programme or movement, to bring about change and transformation, is time consuming. Our SPEECH Organization focused on such programs that have a positive impact on socio-economic, education, health and environmental change. Current activities like Watershed Development, livelihood intervention and Commercial crop improvement has covered about 30 villages in our district bringing economic sustainability and developing self reliance among the people. We not only focused on developing Natural resources, but also on human health care, sanitation and environmental balance. Human power is an INDIA'S greatest asset and we working on educating the ignorant and uneducated people on bad practices and provided necessary medical care, established primary health care center in their locality and also constructed sanitary pits for them. We working on versatile and innovative IGA activities to fulfill the energy crisis and develop good old organic farming in the rural area. Currently we are working as Nodal NGO for Chitradurga district in Karnataka State Bio Energy development Board for building future renewable Bio fuel.



All this has been made possible by the community participation and dedicated work of our Organization. The effective planning, implementation, monitoring and management process helps to fulfill our key objectives in all our interventions. It is my especial pleasure to thank every member of this group and congratulate them for rising up to the new challenges.

Thank you

NarasimhaMurthy.M
Director.

ABOUT ORGANIZATION

Society for Public Education Environment Cultural & Health (SPEECH), Founded in September 1988 and Registered under Karnataka Societies Registration Act 1960, SOR No.152/1988-89. This organization has been working with economically marginalized and disadvantaged sections



of the society, aimed at improving the health, education, environment and socio-economic conditions of these downtrodden families. SPEECH has initiated and successfully implemented various projects in Chitradurga, Davanagere, Tumkur, Kolar&YadagirDistricts of Karnataka State and organization has its head quarter at NrupatungaExten. Bank Colony, Chitradurga.

VISION STATEMENT:

“Encouraged Voluntary Action, Community Initiative and NRM towards Self Sustainable Development”

Organization Operational Area:

We work in 694 villages of Chitradurga, Davanagere, Kolar, Tumkur & Yadagiri districts which is deprived of basic necessities that are essential for a decent living. The organization is being given due importance to improve the rural livelihood and conservation of natural resources through implementing various projects viz, watershed development, Agriculture extension, women empowerment, health hygiene & sanitation, Gender sensitization, Education, entrepreneurship development and strengthening of community based institutions etc.,

Key Objectives of the Organization:

- Encouraging village community and creating awareness towards sustained community action for the operation and management of natural resources for environment rejuvenation.

- Enable poor to own their resource Based Institutionalized action towards their Self-Reliance through capacity building & linkages.
- Conservation and optimal utilization of natural resources such as land, water and vegetation.
- Harvesting maximum rainwater as possible for the purpose of supplemental irrigation, drinking water availability, plantation including horticulture and floriculture, pasture development, fisheries etc. to create sustainable sources of income for the village community. This leads to conservation, development, and sustainable management of natural resources including their use.
- Ensure overall development of rural areas through employment generation, poverty alleviation, community empowerment, and development of human and other economic resources.
- Restoring ecological balance by harnessing, conserving and developing natural resources of land, water and vegetative cover especially plantations.
- Promoting alternative health care and prevention measures with community participation.
- Promoting educational opportunities and technical inputs for marginal people.
- Involving women in community organization and decision making and empowering them to play their role in the society.
- To improve the livelihoods of the marginal, small and landless through implementing innovative IGA activities in rural areas.

PMKSY-Vth&Vth Batch Watershed Development Program:

During this financial year Farmers Exposure Visit's were Conducted, shg ug and Ec meetings were conducted frequently and action plan were prepared and Detailed Project Reports of all 8 SWS projects of both 5th & 6th batchs of Chitradurga, Holalkere, Challakere, Hosadurga, Hiriyur & Molkalmuru Taluks were prepared and hard copies in 10 sets were submitted to respective Taluk Assistant Director of Agriculture. Common land activities, Drainage line treatment and Trench Cum Bund activities were planned and approved to initiate. Preparations

for EAP EDP activity were made but the program was stopped due to lack grant availability. All the documents, reports, survey formats, net plan formats and Photo albums were handed over to respective Taluk Assistant Director of Agriculture Offices and about 67 staff members were relieved.



Exposure Visits to UG, SHG & EC Members of PMKSY 5th & 6th Batch Project

NABARD – KfW Soil Health Project.

Nagathihalli SWS KfW Soil project is a Climate Change Adaptation program for completed Watershed Project this Project was initiated from April-2017 by our Organization as Project facilitating Agency & progressing the project successfully. During this year some major convergence activities were adopted, Video Documentation was conducted apart from the project component & our Nagathihalli Watershed Success Story Book Published was by NABARD during this period and Project component wise progress have been described as below;

- In this project NALA BUND is the only activity under **Additional SWC works** component completed successfully. The site selection, structure is a major breakthrough the impact is clearly visible a huge amount of water has been stored helpful in feeding water to huge population of livestock across 12-15 villages even in summer. As some of officials assured to provide first preference to these villages during the last visit and those assurances has been fulfilled in this period as additional Soil & Moisture conservation activity trench cum bund across the nalabund valley has been implemented by Dafoe, Department of Social Forestry under MGNREGA with the support of our VWC members. On 27 th of September 2018 Sri Mahadevaiah NABARD from Central Team visited the site and appreciated the work and informed that this is not only a CC adaptation activity it's a CC mitigation work.



Sri Mahadevaiah DGM, NABARD from Central HQ visit to Nagthihalli Project area. DDM NABARD and Officers team from NABARD Karnataka RO were also present.

The Nalabund was planned for 200mtrs length further stretched to 300mtrs with the support VWC and farmers. But, additional stone pitching work to about 100mtrs & some desilting work were required. So, during this period VWC & PFA were successful in availing convergence support for further

strengthening of NALABUND through MNREGA. Desilting work was progressed, an additional 50mtr stretch of the Nalabund was achieved and about 150x8mtr stone pitching work was successfully completed. Thus Structure strength & capacity was increased during this period. Effort from VWC members is the major reason behind this achievement.



Nalabund Desilting and Additional stone pitching work under MNREGA

➤ **Soil improvement and productivity enhancement measures:**

a) Summer Plough activity had resulted positive impact, almost all farmers had sown seeds & fetched good crops & fodder last year **learning's from earlier practises most of the Farmers had adopted the same measures in this year too.**



b) **Alternate Varieties:** Distributed **drought resistant varieties JPU-28 ragi, BRG-2 Red gram & HMT-100 Fox millets** to 284 beneficiaries. Further Micro-nutrients (Zinc & Boron) were also provided with the support & advice from Agriculture Officer. RSK, Mathod.



c) Under **Agro Horticulture Plantation** Mango & Lime saplings to 66 farmers have been provided under this program covering about 26.4Ha of area.



d) About 22 Bio-fertilizer units were supported & Drava Jeevamrutha has been adopted by those farmers covering around 31.19 Ha areas.



➤ **Sustainable NRM and CCA farming practices:**

a) Successfully distributed sprinkler sets at subsidiaries to farmers with the support of Agriculture Department & **most of the irrigated farmers utilized less ground water compared to last year** & grown groundnut & green gram crops during the summer.



b) Roadside plantation:

About 220 Biofuel Plantation (Pongamia, Neem & Simaruba) has been planted across 1km road covering 3 villages. The activity was initiated on world environment day on 5th of June all Dept. Officials, DDM Nabard, Technical Consultant NABARD. School children, Farmers & VWC members were participated PFA representative demonstration on planting methodology and planted the saplings.



c) About 342 units of Vegetable garden /Nutritional garden seeds distributed it consists of about 16 varieties of organic vegetable seeds.



- e) About 30 units of poultry units were distributed to land less families (20 nos. of desi chicken breeds) to support their livelihood.
- f) About 20 units of sheep units were distributed to land less families (2+1 sheep's) to support their livelihood.



- g) Revolve fund to 2 SHGs were provided after conducting trainings to them and some inputs were also provided on utilizing the fund in presence of DDM NABARD.



➤ **Measures to mitigate CC risks:**

About 50 units of Smokeless Chula's & 60 units of Solar Lanterns were distributed. Further PFA had attended Training on NICE [Network of Information on Climate Exchange] program conducted by MANAGE, Hyderabad. It's an online application developed by MANAGE under support of QIZ helpful to farmers to discuss their queries. It's an agro advisory type of initiation providing accurate response & information to farmer's queries with Agro based weather advisory services too. All the farmers' details have been uploaded in the NICE application and hoping of availing better response.

➤ **Under Capacity Building & Knowledge Management Component Conducted 4 trainings & 1 Exposure visit from project Component:**

a) Training on importance of Climate Change & its Adaptation methods was provided by our trained staff & Sri Shanthaveeraiah Retd. ADA Agriculture Dept. in Nagatihalli Village 49 farmers were participated.



b) Training on agro-horticulture development was conducted in Ittigehalli Village. It was a one day training program about 43 farmers were participated. Resource Person Sri Vijay Kumar Rtd Horticulture DD provided two sessions on 1) selection of planting materials & maintenance of horticulture plants & 2) market linkage & value addition.



c) Training on Livestock & fodder development - 47 landless & marginal farmers well participated. Training was provided by Resource person Mr. Kollappa Livestock Extension Officer.

d) Training on Live Stock & Fodder development was provided by Kollappa, Livestock Extension Assistant, Veterinary Dept., Hosadurga in Nagatihalli Village 47 farmers were participated.

- e) Training on agro-horticulture development was conducted in Nagathihalli Village. It was a one day training program about 43 farmers were participated. Resource Person Mr. Nagaraj AHO Horticulture Dept., provided sessions on maintenance of horticulture plants, pest control & market linkage & value addition.
- f) Training on FPO concept was provided to 94 members in Nagathihalli Village. Formation of FPO under revised budget has been initiated. One PIMC meeting was conducted in VWC office in presence of DDM NABARD.
- g) Exposure Visit to Krishi Mela at GKVK, Bangalore was conducted.



- h) Nagathihalli Watershed Success Story book documented by Rural Media Telangana was published by NABARD.
- i) Further Training on Book keeping & Revolving fund utilization to SHG members were conducted and **Exposure visit to ZBNF project area of Kadapa District of AP was conducted under NABARD CAT program**

- Formation of FPO in the project area has been initiated Concept has been mobilized. About 156 members are mobilised.



- **Convergence with other departments and programs;**

- **NABARD CAT Program - Exposure visit to ZBNF project area of Kadapa District of AP** was conducted. It was a 2 day visit about 22 progressive farmers 3 PFA staffs and DDM was also participated. The exposure visit was very helpful for farmers to realizing importance of Natural Farming techniques they were practicing earlier. Dry seed sowing, Ghanajeevamrutha preparation, 36x36 cropping model, 5 layer cropping were learnt.
- **Nalabund strengthening work (150x8mtr stone pitch and desilting) supported by ADA, Agriculture Department Hosadurga under MGNREGA.** Even helpful in generating employment locally during this period.
- **Nagathihalli KfW Soil project Video documentation work was conducted by Art of Living.** The team visited field 2 days conducted video documentation work. PFA-SPEECH, Nagathihalli VWC and farmers actively coordinated with the team provided all necessary information and even guided during site/activity selection.





- Additional Soil & Moisture Conservation trench cum bund works under MGNREGA through Social Forestry.
- About 545 farmers are covered under PMFBY
- World Environment Day Celebration in collaboration with Bioenergy Development Board, KSBDB Bengaluru, Dept. Of Agriculture Hosadurga, Govt High School Nagathihalli & Forest Department.
- Workshop on SMAF(Sub Mission on Agro-Forestry) by Social forestry in Nagathihalli Village VWC members & about 49 farmers were participated..
- Training & awareness on Rural Women & Child Health in collaboration with Horatti Foundation was Conducted in Nagathihalli on 22.08.2018 about 74 shg members & villagers were attended.

MGIRED-Training on Renewable Energies, Environment Protection, Solar, Roof water harvesting and Solid Waste Management to SHGs and Grampanchayath members

Mahatma Gandhi Institute of Rural Energy and Development (MGIRED) located in Bengaluru was established in the year 2000 with assistance of Ministry of New and Renewable Energy (MNRE), Government of India and the Rural Development & Panchayat Raj Dept., Government of Karnataka. The main objective was to have a unique Institution to carry out Capacity Building and Awareness Programmes in the areas of Rural Energy and Sustainable Rural Development which will cater to the needs of Karnataka and neighboring southern states namely Andhra Pradesh, Telangana, Tamil Nadu, Kerala and Union Territory Pondicherry.

They are the primary consumers and potential user groups of Renewable energy and are the victims of problems associated with conventional energy such as fuel wood, Kerosene, etc. and hence are expected to evince more interest in adopting new and renewable energy sources in place of fossil fuels, improved cook stoves, solar cookers, solar lanterns, etc. which ultimately takes care of their health, environment and forest conservation. Hence Various Training Programs to SHG Members GP, TP members were conducted but this year the institute has joined hands with various NGOs across state expanded its network

and initiated trainings at locally to those SHGs and Panchayat Members. Division wise NGOs were grouped training provided and district wise targets were allotted. We are glad that our Organization was selected as we were already working as District lead NGO for Bioenergy Development Project.

our organization comes under Bangalore division & about 6 SHG training & 1 GP members training programs have been allotted and we have successfully conducted the programs in Chitradurga District about 476 Women SHG members and 61 Gram Panchayat members including PDO's were participated. During the program information on Green Energies such as Solar, Wind, Biofuel, Thermal energy were provided along with Solid waste Management, Rain/Roof Water Harvest Management concepts were also covered.

Trainings to SHG Members



The training was very helpful in creating awareness on Environment protection and their responsibilities in controlling Environment protection by adopting environment friendly Renewable Energies. During the training various questions and queries were raised such as financial support to adopting and installing. As the training was conducted in rural areas the participants Women SHG members and those members are as usually poor, landless, small and marginal farmers and this year Chitradurga district facing drought so financial support is in high demand. But however following impacts have achieved;

- Demand for adopting solar lighting system has been generated. Almost all participants ready to install but required some financial support. Some of the members especially in Maskal and Madkaripura village have adopted already before the training shared their experiences.
- Some of the farmers expressed their interest in adopting solar Pump set but, for availing support the limitation of bore well depth fixed to 200ft but in here most the bore well are above 350ft
- Most of the SHG members were impressed with solid waste management as the Kitchen & green waste were well managed by them but reuse of dry waste such as plastic covers, glass bottles, paper, metal waste and income from them has been adopted. And most the members are compulsorily disposing waste to garbage collecting vehicle instead of throwing in others premises. Even ZP Member Smt.Rajani Narasimhamurthy have assured to send the garbage vehicles in time without miss and assured of fining 10000Rs if any one seen throwing garbage in open places and serious action will taken in Madakaripura Village.

In Maskal Village most of the participants ready to take-up RWH system and stock the water and utilize for drinking purpose instead of paying to Filtration units but they didn't have water storing tank requested for some support so GP member was advised to make provision to provide labor cost to the aspirants under MNREGA and instructed the interested to arrange materials by themselves. The GP Member Muddarangaiah has assured to include it under Action Plan for the approval and do his most to benefit villagers.

Trainings to Grampanchayat Members & PDO's in Hiriyur Taluk Office



NABARD Capacity Building for Adoption of new Technology (CAT)Program-Farmer's Exposure Visit to ZBNF areas of Kadapa District of Andhra Pradesh:

Technological up gradation and innovation have been the hall mark of Indian agriculture. NABARD has been in the forefront in facilitating and adoption of new technology by farmers/ entrepreneurs through various institutions/ agencies like banks, corporates, NGOs, SHG and Farmers' Clubs. With a view to widen the horizon of new agro-technology, it was felt that traditional farmers may be motivated to adopt new technology by exposing them to innovative projects being implemented by various agencies in different parts of the country. Accordingly, it has been decided that NABARD would extend 100% support towards the cost of such exposure visit of the farmers to enable them to adopt new technology.

Nagathihalli Watershed area is one of the most NABARD benefited area since past ten years this area is under development from NABARD facilitated by us. NABARD has sanction 'Watershed Development Fund' program benefited about 812 farmers and landless women too this first program was successfully completed and helpful in establishing Village level instruction (like VWC,SHG's), awareness creation, greenery enhancement, Soil and water conservation structures in farmer and common land and even livelihood support to landless women. This community driven participatory watershed development programmed has helped in augmentation of natural resources and improvement in livelihood of watershed communities. Further in extension NABARD has sanctioned KfW Soil Project to enhance the degraded soil affected due to drought and adopting climate change resilient agriculture practices. The main objective of this program is Soil and Moisture Conservation, improvement of soil Health for sustainable agriculture practices by adopting Organic/Natural farming technic, judicious use of water in crop cultivation by micro irrigation and adopting drought resistant varieties, overall to reduce the cost of agriculture and benefit the farmers for getting good yield and adaptation to Climate Change risk.

Thus NABARD through DDM always follow ups, provide information, advises to PIA's on additional activities in order to benefit & strengthen farmers in adopting better agriculture and improvement in livelihood of farmer communities. One of such activity is **Farmer's Exposure Visit to ZBNF areas of Kadapa District of Andhra**

Pradesh under NABARD-CAT Program. DDM NABARD by consulting with higher authorities advised for submitting a proposal seeking grant support for conducting ZBNF exposure visit under NABARD CAT program. Thus PIA SPEECH has prepared a Proposal on **Farmer's Exposure Visit to ZBNF areas of Kadapa District of Andhra Pradesh under NABARD-CAT Program** by consulting with CSA (Center for Sustainable Agriculture) ZBNF project implementing agency in Kadapa District of Andhra Pradesh and Submitted to NABARD RO Karnataka through DDM NABARD Chitradurga.

On 18th of January 2019 proposal was approved by NABARD sanctioned grant assistance under CAT Program- to conduct Exposure Visits to ZBNF area with few terms and condition.

22 farmers were selected which includes progress farmers, VWC members, women & SC/ST farmers. List enclosed separately by VWC under PIA guidance.

It was a 3day visit DDM NABARD was also participated with us total 27 members of which 22 farmers 4 PFA staff & DDM NABARD two vehicles were hired and journey to ZBNF areas of Kadapa District of Andhra Pradesh conducted food and boarding and logistic arrangements were facilitated with top priority. The details of exposure made as below;

- Brief on ZBNF work in kadapa by Sri Adinarayana sir, CSA Chief Officer.
- Green Manure making Grinder was Inauguration ceremony was also conducted during our visit.
- Information on Green Manure preparation, 36x36 model, 5 Layer model, preparations were Explained.
- FPO BOD members shared their experience and even informed about their business.
- Janardhana RP from CSA explained about FPO marketing strategy and business they were conducting.
- Later taken to near by fields. First visited automatic Weather station RP informed about process of work and its benefit.
- Later taken to Papaya plot under ZBNF 5 layer model interacted with farmer.
- Ghanajeevamrutam preparation live demonstration.
- Visit to Dry seed sowing plot and interaction with farmer.

- Next Visit to (15x15) 5 layer model, Palicrops, Multy crops
- Visited Multicrops, 36x36 model plots CSA Resource persons explained the process and its benefits even the farmers shared their experiences Srinath Reddy was very helpful in translate the discussions.
- Visit to Seed Bank and interaction with FPO Members who were running this bank and CSA ZBNF Staff.

Photos of Exposure visit to ZBNF Project area under CAT Program





Exposurer Visit to ZBNF Project area of Kadap district under NABARD CAT Program



Farmers Opinion/Impact:

- ✓ The visit was very helpful learned how to utilize and plan every inch of farm land for cultivation by using local natural materials.
- ✓ Most of the farmers shared that they were also doing good natural farming but these day they lacked interest due to low yield and fascinated towards chemical fertilizers but after seeing this they are assured to practice Natural farming better than this by utilizing local resources in farmland.
- ✓ Premakka a women farmer who has milching animals impressed with Ghanajeevamrutha demonstration and she will start to prepare it in her farm land instead of Urea/DAP and even advises others in her village.
- ✓ Chandrasekhar a progressive young farmer has Pomegranate farm earning crores every year he is already applying jeevamrutha(liquid) was impressed

with the ghanajeevamrutha (dry powder) and informed to adopt Ghanajeevamrutha.

- ✓ On of the activity Dry seed Sowing make our farmers aware as the plot visited was completely mix-up about 6-8 varieties of seeds were mixed and sown in land after last rain no water was provide after sowing but some grass dust was covered over the land and plants grown. For this our farmers opinioned that this will be totally useless as the crops are mixed spread over land their will be a big mess in harvesting and expectation of yield will be very less and it will be a loss.
- ✓ Raghunath a progressive farmer and nagthihalli VWC member informed that they used to cultivated pigeon gram sown after last rain and fetch 30-40 packets of crop yield without any supply of water this will be better kind dry seed sowing his father used to cultivate. And he will know concentrate on this.
- ✓ Lakshmidevi women farmer and SHG member expressed that Gayathri FPO operated by the women has done such a good business by producing green manure, seed bank and organic fertilizers is one best thing and she also like to do the same and promote natural farming.

Bio Fuel or Bio Energy Development Program.

The Karnataka State Bio energy(Biofuel) Development Board(KSBDB) has launched several schemes and programmes to popularize the production and usage of bioenergy and taken various measures through information and decimation related to plantation of biofuel species like pongamiapinnata, neem, mahua, simarouba, surahonee etc., feedstock collection, processing, value addition and usage of biofuels in automobiles and for captive power generation. The major plantation activities are taken up on the bunds and hedges of farmer's land and the plantation on road side, waste lands and degraded forest lands in co-operation with the Forest department. Our services as Lead NGO of Chitradurga district is to carry out the IEC activities in rural area and also to helps in collection of seeds and usage of biodiesel by consumers .To monitor the development of bioenergy activities, mapping of resources at the district level a committee constituted **District Biofuel Monitoring Committee** under the Chairmanship of Chief Executive Officer (CEO) of ZillaPanchayat.

During this financial year the board was merged with MGIRED Bangalore and the program was in decline stage, support and encouragement was not so fulfilled but however we as lead NGO successfully conducted our role the activities performed by us during this financial year are as below;

Celebrated World Environment Day with School Children, Village Watershed Committee, and Farmers by Planting Biofuel planation (Pongamia, Simaruba and neem) in NABARD KfW Nagathihalli Watershed area in presence of DDM NABARD & Officer from Karnataka Regional Board Office NABARD.



- ✓ 10 SHG training cum awareness programs out of which 6 in coordination with Biofuel Demonstration center and MGIRED



- ✓ Conducted 2 units trainings to NABARD FPO members in Green College Holalkere, Maskal Hiriyur Taluk and P.Mahadevapura, Challakere.



- ✓ 5 units of awareness cum training to district level NGO federation and even celebrated Republic Day by planting Biofuel Saplings in NGO Office.



- ✓ 2 units of Farmer groups training in PMKSY watershed areas
- ✓ Conducted trainings to GP members, PDO's of Hiriyur Taluk.
- ✓ Training cum demonstration to Departmental Vehicle Drivers in collaboration with Biofuel ID Center in presence of Chief Executive Officer, ZP, Chitradurga.



- ✓ Visited Junjurgunte Hombelaku Biofuel oil extraction unit reviewed the work status and reported to Board.



- ✓ Biofuel plantation in Nagathihalli watershed area were regularly monitored

Evaluation and Impact assessment Study of PMKSY-WD (IWMP) 1st and 2nd batch Watershed Project:

A third party evaluation and impact assessment study of PMKSY watershed projects of 1st and 2nd batch Chitradurga taluk was assigned for us by Assistant Director of Agriculture, Chitradurga Taluk, Department of Agriculture. Sangenahalli SWS project and Chippinkere SWS project were the name of SubWatershed. Both project areas were visited and impact assesment study were conducted by our technical key staffs with support of our local field workers, the process were explained below;

The Sangenahalli SWS project period has been completed and the project is under Completion and handover stage. As per the guidelines for the project completion procedure Impact evaluation study of the project area have been conducted. During the study out of 7 MC's 3 MC's such as 4D3D7A1a-Turuvanuru, 4D3C7A1b-Havalenahalli, 4D3D7A2a -Madanayakanahalli were selected for impact assessment study.



Photos of Chippinkere SubWatershed Project activities taken by drone camara

And the Chippinakere SWS project period was also completed and the project is under Completion and handover stage. As per the guidelines for the project completion procedure Impact evaluation study of the project area have been conducted. During the study out of 5MC's 3 MC's such as 4D3C7A2d - Bogalerahatti, 4D3D7A2c -Chikkagondanahalli, 4D3C7A2b – Hosahatti Yalavarti were selected for impact assessment study.





Photos of Chippinkere SubWatershed Project activities taken by drone camera

Field survey and interaction with beneficiaries were conducted considering DPR as the primary source of data which was provided by department and also with the support AAO's and Watershed assistants who were involved in implementation. Further information and data were collected from statistical & other line departments. Photos and images of the structures activities were taken with the help of Drone Camera and Digital Cameras. The activity impact assessment report has been completed and activity wise brief impact assesment study report was submitted.

The development of land and water resources together is essential for sustainable natural resource management. Conservation and management of rainwater holds the key for sustainable agriculture and improve the productive potential of natural resources and increase income of rural inhabitants in selected watersheds through socially inclusive, institutionally and environmentally sustainable approaches. These project areas have been treated under watershed development program. During the interaction with farmers, EC committee, SHG & UG group members it has been observed that initial Capacity Building activities such as Gramsabha, street play, walkathon, CBO's formation, CBO's trainings were conducted as per the reports provided.

By the end of the project, crop yields and cropping intensity in these rainfed areas increased significantly. This were also accompanied by a shift towards higher-value annual and permanent crops (especially horticultural crops such as mangoes). Crop yields increased by about 15 percent,

Understanding the economic, social and environmental impacts of watershed development means expanding the indicators to beyond 'kilometers

of terraces built' or 'numbers of farmers trained'. It means understanding the benefits and costs as perceived by local men and women. The village organizations likewise built confidence among the villagers and sense of control over their own futures.

Women proved to be more responsive to project interventions. They were more attached to the land and more responsive to watershed management interventions. However, income-generation remained a primary motivational force to improve community.

- Changes in productivity.
- Changes in local and national resource degradation
- Changes in local resilience and vulnerability.
- Changes in the self-dependence of Community Based Organizations.
- Replication to non-project sites; and,
- Changes in the operational procedures of the external support institution and the attitudes of professionals.

Were observed during the study and the individual detailed reports of each project were submitted to Department of Agriculture Chitradurga Taluk in stipulated timeline.

Our Sincere Acknowledgement to Technical Advisers during this year for their technical advises, innovative ideas and voluntary support and social concern in progressing successful impacts in the program activities.

| | |
|--|--------------------------------|
| Sri K.Amaranarayan, IAS | Rtd. Secretary, GOK |
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