

ANNUAL REPORT

2019-2020



INTEGRATED RURAL TECHNOLOGY CENTRE
Grant-in-aid Institution of KSCSTE

Annual Report

2019-2020

INTEGRATED RURAL TECHNOLOGY CENTRE (IRTC)

MUNDUR, PALAKKAD

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Director's Report

This annual report marks the 32nd year of Integrated Rural Technology Centre. It provides a glimpse of the activities carried out during the year 2019-2020. IRTC, nurtured by Kerala Sasthra Sahithya Parishad, continued its effort to develop sustainable solutions using appropriate science and technology in key focus areas of natural resource, energy, waste management and livelihood for the development of rural and marginalized people. To realize these goals, the centre has been working on action research programmes that focus on decentralized waste management, watershed management and sustainable agricultural practices. Towards the end of the year, Covid 19 has slowed the pace of our activities like any other institution around the globe. However, we are making use of the online platform fruitfully.

This year also we have received support from KSCSTE and plan grant from Government of Kerala. The centre also received financial aid from various agencies such as DST, NABARD, UNICEF, LSGI, KSBB, KILA, State Planning Board, Department of Fisheries and Southern Railway for the implementation of various action research projects, studies and training programmes. Considering the current financial status of the State after repeated natural calamities, one cannot expect much financial support from Government agencies for conducting training programmes and research projects. As lockdown started by early March 2020, many of our training programmes scheduled for the period had to be cancelled. However, during the year under review, the institution has made much significant progress in academic activities. The Centre fully utilized the allotted plan fund fruitfully.

Presently, we have four action research projects and six consultancy projects and seventeen projects have been completed. KfW soil project supported by NABARD is being implemented in eight watersheds. The main objective of the project is to build capacity among the local people to adapt to climate change. The soil samples from the cultivated land will be tested and soil health cards will be issued to farmers. Besides, efforts for increasing the income of the farmers will be initiated. Tribal Development Fund programme has a holistic approach in addressing horticulture development, production, processing and marketing of value added products. The project area covers 17 tribal colonies in Chaliyar and Urngattiri Grama Panchayaths of Malappuram district. At the same time, TDF project in Attappady is nearing completion.

As part of creating solutions to tackle agricultural issues, Biotech- KISAN Hub has been started with the support of DBT- DST. The core activities of the hub will include understanding the issues of the local farmers, adapting appropriate technologies and solution to problems of farmers in the area, addressing soil, water, seed and promotion issues. As part of the programme, 125 compost units have been installed in the present year.

A master plan is being prepared for three Grama Panchayaths (Chinnakanal, Athirappally, Mankulam) as part of decentralized waste management programme for UNDP. IRTC is continuing the technical support to Theeramythri projects sponsored by Department of Fisheries, Government of Kerala. The aim of the project is to enhance the capacity of fisher women in livelihood activities.

There is a quantum leap in the number of studies carried out under the Social Science division during this year. Padhanodhyanam is a pilot educational intervention in collaboration with UNICEF undertaken at four centres of Idukki district to evolve methods and strategies for improving science and mathematics competency among tribal students. Besides, a web based initiative for developing scientific temper among secondary school students in Kerala was also carried out. A total of 17,000 students participated in the online quiz programme named LUCA quiz. Another project completed under UNICEF was mapping the potentials of Thrissur District Panchayath in transforming the secondary education. The division has undertaken an ambitious programme for career enhancement of tribal youth in Attappady. During this period, the division could complete studies on the role of Model Residential Schools in the educational attainment of tribal students for Kerala State Planning Board. Kerala Institute of Local Administration (KILA) had awarded two short term studies for assessing the impact of training provided for two programmes –child friendly local governance and capacity building for municipal officials. The study was designed to understand different dimensions of performance of urban local bodies in Kerala in the backdrop of the program conducted by KILA.

A multidisciplinary study was carried out regarding the impact of 2018 flood on biodiversity and tribal livelihood in Attappady funded by Kerala State Biodiversity Board during this period. The fold scope project under Department of Science and Technology (DBT) enabled us to create curiosity among students and popularize ultra-affordable paper microscope among school children. The pottery unit in the Centre completed a project “family tree” for the southern railway division. The statue and artwork made by our artists received wide public attention. It is part of our livelihood initiative.

Natural resource management division has successfully prepared integrated river basin master plans for 10 LSGIs which includes Ranni, Kainkulam, Kadappuram, Punneyur, Melattur, Karuvarakundu, Pothukallu Grama Panchayaths. Besides, master plan has been prepared for Vattalakky farming society to transform the barren land into agricultural land. The masterplan preparation for Ozhur and Thannalur Grama Panchayath is under preparation by the division.

A significant jump in infrastructure development promises an exciting time ahead. The year saw setting up of a soil testing laboratory with facilities to test thirteen soil parameters. Palakkad being an agricultural zone, the new facility for testing of soil is going to benefit farmers in the surrounding area. Soil testing has been started for farmers and arrangements have been made to issue soil health cards. The microbiology laboratory procured instruments such as deep freezer and laminar air flow cabinet. The Geo Informatics Laboratory has been completely renovated and upgraded with more number of computers and software. The new

Centre for Geo Informatics is under establishment. With this, IRTC is poised to be one of the best Geo Informatics Centre in the State for research, consultancy and training.

The institute expanded facilities for large scale training and extension activities in Re-circulatory Aquaculture System and Bio floc techniques. Fruit forest model has also been established in IRTC during this year. New consultancies have successfully set off, like the preparation of green audit, energy audit and waste management plan for different educational institutions in the State. IRTC is a consultant for water testing laboratory and soil testing laboratory at Attappady run by KILA. A study was conducted on the vulnerability to landslide events in Wayanad district in association with Hume Centre for Ecology and Wild Life Biology and KSSP.

We got an opportunity to exhibit our products at souvenir shop of KSCSTE, Thiruvananthapuram. The report on Centre of Excellence in Waste Management (CEWM) and a new inoculum was released in a function held at KSCSTE auditorium. We could efficiently utilize the infrastructure facilities of the CEWM for research in the area of solid waste management and conducting a series of hands-on training for more than 1500 people.

The performance of IRTC in waste management practices got acceptance when it was selected by the Government of Kerala as Haritha Sahaya Sthapanam (HSS) for 120 LSGs in the State. The main function of HSS is to provide technical support for Harithakarmasena in cluster level with the assistance from LSGs. HSS could evolve excellent models in municipalities such as Anthur, Kunnankulam, Harippad and panchayaths like Eramala, Purathur, Puthupariyaram, Alathur, Sasthamkotta and Chottanikkara. However, in some LSGs we could not obtain enough co-operation. HSS received ample opportunity to examine the performance of different waste management models.

Project Implementation Unit (PIU), a sister concern of the Centre completed four years of its activities since its inception in 2016. The main aim of PIU is to take up solid waste management projects of LSGs and complete them within the stipulated time without compromising quality. In the year 2019-20, PIU has signed agreement for 111 projects- 103 engineering projects and the 3 maintenance work. The PIU seek help from 10 service providers and PPC for the implementation of the projects.

Parishad Production Centre (PPC), another sister concern of the Centre is in a growing phase. The activities undertaken by the PPC during the initial stage of the Covid 19 outbreak is commendable. As the demand for sanitiser, hand wash and soap increased, PPC worked day and night and tried to meet the requirements of public. Large scale selling of the waste management devices happened during this year. Rural Engineering Centre provided engineering skill for the implementation of the projects. Nursery and toiletry are the other units functioning under PPC.

This year showed a sharp decline in the number of trainings compared to yester year. During the reporting period, IRTC has provided its facilities to arrange number of training programmes for KILA. A series of training programmes were organised for Harithakarmasena members. With the support of Kerala State Backward

Classes Development Corporation, 15 days long hands on training were provided to a group of potters. Fisheries unit also carried out several training programmes on aquaponics and bio floc technology. Trainings were given in mushroom cultivation during this year. Natural Resource Management division conducted training programmes on GIS and Remote Sensing for different batches of students and professionals.

Ninety six students completed B.Tech /MSc projects and internships from the Institute during this period.

A book corner was inaugurated in memory of Late Prof. M. Shivashankaran, an educationist who has solemnly worked to popularise science in Kerala through his scientific literature. On the publication front, we published a monograph on Meenvalloam Hydroelectric project and a book on non-biodegradable waste. In addition, four newsletters were also released during the reporting period. A few publications of our faculty have come out in referred journals too.

IRTC witnessed 2387 visitors from various educational institutions, societies and public in this period. IRTC bagged Akshya Oorja Award instituted by ANERT, Government of Kerala for energy conservation initiatives.

The staff appraisal was carried out as part of in-house planning. There were administrative changes in IRTC during this year. Dr. C. George Thomas, Dr. P.N. Damodaran, E. Abdul Hameed, E.K. Yusuf, Anand Sebastian and Akhila M. joined the Centre in various capacities. Dr. C. George Thomas assumed charge as the Director of Research on 15th January 2020.

The infrastructure development initiatives of the Institute are in full strength. The waste management yard has been fully renovated and a residential complex was constructed for the staff.

Even under this difficult situation of Covid 19, IRTC is carefully carrying out routine activities without any major setback. Though we had several financial constraints during this time of pandemic, IRTC institutions could contribute an amount of Five Lakhs towards Chief Ministers' Distress Relief Fund. Lock down period was successfully utilized by our faculty and we could draft eight projects. Agriculture division, Centre for Geoinformatics, Agricultural training programme and online courses on various disciplines are new initiatives envisaged by us for the coming year. Tuber crops garden and Pravasi help desk for non-resident Indians are other proposals under consideration.

During the reporting year four Executive Committee meeting and regular meetings of Research Monitoring Committee were held. The current growth and development of IRTC is solely due to the committed, unstinted effort of the faculty and all other staff members under the guidance and support of Senior Faculty and Research Advisory Committee.

With a word of gratitude to everyone for all the co-operation, I am presenting this Annual Report of IRTC for the year 2019-2020 for your consideration.

Dr. S. Sreekumar
Director

Financial Report

In the year 2019-20, IRTC was actively involved in a spectrum of activities amidst acute financial crunch. A decline in the revenue in terms of Government grants, both plan and non-plan was the major reason for fund shortage. A sharp decline in the income generated from training services, a fall of Rs. 30 Lakhs also contributed to this.

The amount of Rs. 24 Lakhs received from KSCSTE as plan grant was fully utilised during the reporting year. The financial statement depicts a picture that the total income and expenditure as well as administrative income and administrative overheads have been increased considerably. This is due to the recognition of items of revenue that are long pending in the statements of previous years, and also due to the inclusion of items like KfW soil testing fees etc. Haritha Sahaya Sthapanam (HSS), the new activity division of IRTC is the single contributor to the lion's share under the head, income from Annual Maintenance & Consultancy Charges, for which proportionate expenditure is also incurred.

The major sources of project funds are listed below.

Projects	Amount in Lakhs
Bio tech KISAN (DBT)	28.18
UNICEF	27.54
KILA – Evaluation studies	22.02
Theeramythri	16.00
NABARD KfW – watershed	12.68
Karuvarakundu masterplan	9.00
Tirur –Ponnani- River plan	8.15
Terracota sculpture (Railways)	7.99

The income from institution's own sources like Agriculture, Pottery, Mushroom and Compost segments showed no substantial difference, while both income and expenditure in Fisheries division marked a marginal increase.

The settling of a long pending litigation regarding service tax dues, by utilising 'Sabka Vishwas (Legacy Dispute Resolution) Scheme' 2019 of Government of India, a major step taken during the year requires a special mention. The total arrears of demand Rs. 83,79,004/- in three separate cases was finally settled for an amount of Rs.7,69,821, is of a great relief with regard to the financial credibility of our institution. Also, the application to avail 80G exception from Income Tax Department is under process.

This year, the excess of income over expenditure shows a negative figure, in other terms, a loss of Rs. 14.41 lakhs, which is not normally treated as an operational loss as the figure is arrived after accounting depreciation. However, this situation requires an effective intervention.

As per the suggestions of the General Body meeting of previous year, measures for a working plan is initiated for the deduction of ineffective recurring expenditure and to increase the performance and revenue generation capacity of the production units coming under IRTC.

The Project Implementation Unit (PIU) needs special mention for assisting IRTC activities by utilising various consultancy services.

We are thankful to the audit team lead by T.K. Muraleedharan, Chartered Accountant, M/s. Ranjith Karithikeyan Associates, for the proper audit and preparation of the financial statement.

Internal Auditors P.K. Narayanan and P. Ramesh Kumar jointly conducted a meticulous inspection of all vouchers and documents of IRTC transactions. The report, along with compliance is submitted before the general body meeting for detailed discussions.

Grant-in-aid Support (KSCSTE) – Plan

Project Outlay	: 24 Lakhs
Funding Agency	: KSCSTE, Govt. of Kerala
Project Team	: Dr. S. Sreekumar, : Prof. B.M. Mushtafa, : Sivadas A.N.

Re-circulatory Aquaculture System (RAS)

An ecosystem was created for sustainable aqua farming taking into consideration all the necessary safety parameters for fish growth through RAS. This enables for cultivating vegetables along with fish. During the year 2019-20 we have undertaken research work on Optimization and Stabilization of Re-circulatory Aquaculture System, which we had established in the previous year.

• MBBR support to RAS

Moving Bed Bio-Reactor for aquaponics, an additional improved facility was fabricated for high density fish culture. Ammonia and other excreta mixed water in the fish tank is biologically filtered through this process. Regular water

quality monitoring is carried out. Facilities like aerator and drainage to remove sediments from the bottom of the tank were constructed to facilitate the draining of biofloc mixed water back to pond by using augmented facility.

• Probiotic for Biofloc culture

A probiotic production facility, which helps in converting the wastage in water back to fish feed, was also created using locally available substrate for culturing beneficial microbes. The mix and process for probiotic culture was standardized. By using this method, fingerlings were released to the biofloc tanks (160/1000 liter for a harvesting period of 3 months). Biofloc production rate in the tank were also checked regularly by using Imhoff cone, in addition to water quality assessments.



Biofloc system



Training Programme on RAS

Laboratory Equipments for R&D activities

The Environmental laboratory in IRTC is an accredited laboratory of Kerala State Pollution Control Board. It is equipped with facilities for microbiological as well as chemical analysis. Biological and Chemical analysis of drinking water, waste water and compost samples are done regularly. The laboratory serves the in-house requirements and provides various services to the public, students and researchers.



Dr. M. P. Parameswaran
switch on IRTC soil lab

a) Soil Nutrient Testing Laboratory

During the financial year we have established a Soil Nutrient Testing Laboratory at IRTC campus including soil sample storage cabinet, fume hood and other required lab apparatus by utilizing

the grant-in-aid fund. The laboratory is equipped with instruments such as khan shaker, digital balanced cell colorimeter, bottle top dispenser, hot plate, water still, digital balance, etc.



b) Geo Informatics Laboratory and Smart classroom

A GIS laboratory and Training Centre was established to meet the requirements of students and officials from various sectors within and outside the state. With the support of the laboratory, consultation, training, project guidance were provided to various stake holders. GIS tools were extensively used in the preparation of watershed master plans for various LSGIs.

Microbial Inoculum: As part of the research and development work in Solid Waste Management, IRTC developed a microbial inoculum- a supplement used to accelerate bio degradation of wastes. It is a substitute for cow dung, a common compost material used in composting and biogas plant. Microbial Inoculum was officially handed over in a function held at KSCSTE Seminar Hall, Thiruvananthapuram. A report titled "Centre of Excellence in Solid Waste Management" was released in the same function.



Microbial Inoculum handed over by Prof. K.P. Sudheer,
Executive Vice President KSCSTE to Dr. S. Pradeep Kumar,
Member Secretary, KSCSTE

Action Research Projects

Establishment of Biotech KISAN Hub at IRTC

Principal Investigator	: Prof. B.M. Musthafa
Team members	: Sophy K. Antony, Prejish A.
Funding Agency	: Department of Biotechnology (DBT), Government of India
Project Outlay	: 58.48 Lakhs
Duration	: 2 years

The Department of Biotechnology has established Biotech hubs across India under the programme "Biotech-Krishi Innovation Science Application Network (Biotech-KISAN)", to find solution for the problems of farmers and to aid them with appropriate technology. IRTC was selected as a biotech hub in Kerala. This project is aimed to establish Crop Residue Biomass Rapid Composting Demonstration Units using Biotechnology Tools. Farmers in the Palakkad district practice diverse varieties of crops and a broad array of farming methodologies. The potential for setting up of demonstration units and the willingness to keep them operational for an adequate

period for demonstration was considered as an important criterion for selection of farmers. Phase I of the project has been completed during the reporting period.

For the first year of operations, a total of 125 selected farmers from 12 different watershed regions were imparted with training. The highlight of the training programme was showcasing the importance of the project, importance of crop residue management, potential of compost as a soil conditioner, composted soil for creating conducive environment for microbes etc. After the training, basements/ platforms were constructed for fixing the demonstration units.



Pattencherry Gramapanchayath President Smt. K. Jayasree in the inaugural function of starting a composting unit at Nadupathi cluster



Biotech-KISAN :Testing-Demo –Training Yard at IRTC

Out of the 120 installed units, first batch of compost was removed from 80 units. Final products were analyzed in the lab. Studies pointed out that the quality was not of the best standards compared to international studies mostly because of the quality of agricultural debris used; and also due to the fact that the hurdles in size reduction of bigger debris which will not compost fully. It was found that all forms of products generated can be efficiently used as a bio fertilizer and soil conditioner. The remaining units were loaded with agri waste and allowed a waiting time before filling it. Total units fabricated in 12 villages in all the units were visited by the Grama Panchayath members. Most of the members showed a keen interest in the programme and communicated with the farmers about the importance of employing new scientific methods for value addition and livelihood improvement.

Biotech-KISAN :Testing-Demo – Training Yard at IRTC **Special programme initiated**

In 12 units, trials were initiated with crop residue along with poultry waste in daily additions incorporated with the inoculum. Use of the inoculum assisted in arresting the foul smell generated by poultry waste and accelerated the composting process. It was observed that within 60 days the whole composted matter can be removed from the cabin and it can be prepared for the refill.

Recently experiments were initiated for two different methods

1. Substrate- Agri crop residue + food/fruit waste
2. Substrate - Agri crop residue + inoculum
3. Substrate-Agri crop residue+ poultry waste + inoculum

Trials were conducted in 6 units. In all trials, the above combination of substrate filled in the cabin resulted in better quality biomass compost.

Year one: Physical targets and achievements

Established 125 crop residue biomass composting unit. Presently 80 units are functioning, in 20 units first batch crop residue was loaded and fabricated 25 units.

KfW Soil Project – Climate Proofing of completed Watershed (SEWOH Phase II) in Palakkad District

Co-ordinator : R. Satheesh

Team Members : Sabu P. S., Sophy K. Antony,

Vaisakh P. N., Shibu P., Rahul K., Darshini, Kavya Jeevan,
Harikrishnan, Nikhil K.V., Pranav S., Muhammed Ismail

Funding Agency: NABARD

Project Outlay : INR 11,52,000 lakh

This project started in April 2019 and was completed in August 2019. The goal of this project was to improve, stabilize and conserve natural resources mainly soil, to minimize the risk of climate change and to increase the productivity and income of small scale farmers living in the selected watershed area. Participatory Rural Appraisals were conducted among the beneficiaries to identify the climate change issues the watersheds are facing. IRTC imparted training to watershed committees for conducting surveys with Geo Tagging. After this the Village Watershed Committees conducted baseline survey of all beneficiary households.

The PRAs mainly focused on the participation of people from different categories such as farmers, Kudumbashree members, ADS, CDS representatives, senior citizens and the youth. The participants raised poignant issues and solutions for the concerned watershed area. The present data on water resources, transport facilities, land

use pattern and public institutions were compared with the data of 1970.

Consultation with line departments, local bodies and Village Watershed Committees (VWC) were done on 04/09/2019 for identifying the projects which can be successfully converged with GOI, State Govt. & LSGD projects. The draft DPR was prepared based on the PRA, bench marks surveys and stakeholder consultations. The DPR contains household /plot level development plan of each beneficiary. This draft DPR and the final plan were approved by the VWC and submitted to NABARD for approval.

Implementation

NABARD has sanctioned financial assistance for interventions in eight watersheds in Palakkad Districts under Climate Proofing of completed watersheds of KfW soil Project. The project was sanctioned in November 2019 and activities are progressing on the basis of the detailed projects.



Biotech-KISAN :Testing-Demo –Training Yard at IRTC



Well de silting work at Pazhaniyarpalayam watershed



Pond renovation work at Anchammile watershed

Details of Project			
SL No	Name of the Watershed	Sanctioned Amount	
		Management	Project
1	Konnakal kadavu	1324300	4289701
2	Poothanakayam	1324000	4289450
3	Nagalassery	1324000	4289650
4	Chazhiyattiri	1324000	4289300
5	Pullundassery	1324300	4289700
6	Nadupathy Muttuchira	1267000	4347000
7	Anchammile	1267000	4346600
8	Pazhaniyarpalayam	1267000	4346300
	Total	10421600	34487701

Tribal Development Fund Programme

Implementation of Integrated Tribal Development Fund Programme in Pudur Grama Panchayath, Attappady

Principal Investigator : R.Satheesh
 Funding Agency : NABARD
 Project Outlay : INR 171.72 lakhs
 Project Coordinator : Sabumon P.S, Vaisakh P. N, Chithra Sabu, Shanish N.R., Selvon and Ganesan

- Horticulture Garden established in the lands of near 355 tribal families in Pudur Grama Panchayath, Attappady. Sixty five thousand trees were planted. All women tribal nursery established under the project and they supplied good quality saplings to the project.
- Water and soil conservation activities such as earthen bund, Contour trench, Rain pits for 355 tribal farmers.
- Five lift irrigation projects and one gravity irrigation project established. Gravity irrigation and pitcher

irrigation methods were used by the beneficiaries, which could minimize the water usage and energy used for pumping

- Arbuscular Mycorrhizae (AM) usage was promoted to make plants drought resistant instead of finding alternate water resources in dry period.
- Coir pith compost mulches were provided to all the beneficiaries to maintain the soil moisture, thus minimising the need for frequent irrigation.
- Livelihood development activities for 46 landless families.
- Formed tribal farmer society named Aranya and registration process is almost to complete.
- Efforts are progressing for the value addition and marketing of the fruits such as Amla.

Trenches



Rain pit



Pitcher irrigation system at Attapady



Babu's Wadi



Tribal Women's Nursery at Attapady





Amla processing by Aaranya society



Gravity irrigation facility at Dhanyam hamlet, Attapady

Integrated Tribal Development Fund Programme for the Hamlets of Chaliyar and Urangattiri Grama Panchayaths in Malappuram District

Project Team : R. Satheesh, Sabumon P.S., Pranav, Chithra
Total Outlay : 373.46 lakh
Duration : 6 years
Funding Agency: NABARD

After the success of Wadi project in Attappady, NABARD entrusted IRTC to prepare a Detailed Project Report of TDF programme for Chaliyar (eight hamlets) and Urangattiri (nine hamlets) Grama panchayaths in Malappuram district. IRTC started the DPR preparation work in October 2018. Beneficiary survey, PRA and discussion with Grama Panchayath and concerned officials and LSGD representatives were conducted. The beneficiaries included members from 403 households of 17 hamlets. After survey aided by GIS tools, Detailed Project Report was prepared and submitted to

NABARD. The DPR was sanctioned by NABARD on February 2020.

Major activities included in the DPR are distribution of planting materials, promoting intercrops and mixed crops, supply of agricultural inputs and micronutrients, plantation of cashew, coffee, pepper and creation of minor irrigation facilities. Intervention activities comprise of construction of earthen bund, stone pitched bund and rain pit etc. As part of the programme, training programmes and livelihood support activities will be provided.

Participatory Microbial Count Assessment and water conservation training in Malampuzha block, Palakkad, Kerala and water quality profiling

FOLDSCOPE

Principal Investigator : Prof. B.M. Mustafa
Co-Investigator : Surya Sethumadhavan.
Team Members : Renila R., Silpa P.
Project Outlay : INR 8,00,000
Funding Agency : Department of Biotechnology (DBT), Government of India

Participatory Microbial Count Assessment, water quality profiling and water conservation training was a project funded by the Department of Biotechnology (DBT), Govt. of India. The project objectives was to assess

microbial count, pH and perform GIS enabled profiling of drinking water in Pudukkottai panchayath in Palakkad District. The project has taken initiation for assessing the microbial content in the drinking water sources of

Puthupariyaram panchayath immediately after 2018 floods. Also, a study to identify zooplankton presence was conducted for a period of 2019 January to March in the area. Initiatives were taken to popularise the technology to students and public.

A total of 36 workshops were conducted on “Assembling and usage of Foldscope” from August 2018 to June 2019. The concept and usage of foldscope were

introduced to 1,113 students, 137 teachers and 74 trainees. The project has been able to train a state level resource group comprising of 48 members for further disseminating the information regarding the instrument throughout the state. Awareness programmes were conducted for more than 400 participants through eight sessions in the panchayats in Malampuzha block.



Workshop on Foldscope

CONSULTANCY PROJECTS

Provide Technical Assistance for Comprehensive Waste Management of Selected Grama Panchayaths in the Project landscape under UNDP IHRML Project

Project Coordinator	: T.P. Sreesankar
Field Officer	: Subash .U
Project Assistants	: Nikil K.V., Layamol
Funding Agency	: UNDP
Panchayaths Covered	: Mankulam, Chinnakanal & Athirappilly
Total Outlay	: 5.4 lakhs

The project intends to develop comprehensive solid waste management master plans and putting in place an effective decentralised and sustainable solid waste management system for all the 11 Grama Panchayats in the

project landscape. This will be done in partnership with the Grama Panchayath and would strengthen the existing system in the collection of waste, segregation and disposal of waste as well as support the efforts of the Grama Panchayath in

its initiatives in reduce-reuse-recycle (3R principle) efforts.

As a part of “Waste Management of Selected Grama Panchayaths in the UNDP High Range Mountain Landscape Project”, IRTC has been intervening in the preparation of DPR on comprehensive waste management in Athirappilly Panchayat. The major objectives of the project are identification of waste management issues of the Panchayath, analysis of existing waste management system, suggesting appropriate waste management practices and to ensure smooth functioning of Harithakarmasena of the Panchayath.

Major Activities undertaken

- Conducted Consultative meetings with Grama Panchayath representatives and officials, Kundubhasree members, UNDP and IRTC representatives
- Possibilities and limitations of the local bodies in waste management were discussed.
- Identification of waste dumping hotspot by field visit.
- Initiatives were taken for the formulation of Harithakarmasena in Panchayaths



Chinnakknal, Idukki





Palakuzhi Small Hydel Project

Funded by

: Palakkad Small Hydro Company Ltd. Under District Panchayath, Palakkad

Project Coordinators

: Radhagopi E.P., M. Venugopal, Prof. B.M. Musthafa

After the commissioning of Meenvalom Hydel Project, IRTC is providing consultation services for the establishment of Palakuzhi Small Hydel Project. During the reporting period several activities were done. Marked the positions where anchor rods had to be fixed. Also marked grouting hole positions near the left bank and near the road to arrest the leakage of water through the crevices. Blasting of rock at the level of +159 is carried out. Blasting of rock is going on. Removing earth is carried out. Measured the boundary of power house as per the drawing provided by Surveyor. Weir site-concreting of base level is done at over flow section of weir using AJAX mixer.

The crevices filled with concrete up to a level of +381.5 m. Decision were taken identifying the intake position, and instructions were given to put levelling course to a level of +380.50 at intake

position and pier side. Span of bridge decided as 9mtrs, 8mtrs, 8mtrs, 8mtrs, 6.5mtrs, 6.5 mtrs, and 7 mtrs from left bank abutment. Concreting from +384.40 to +385 M from chain age 4.03 to 19.00 M was carried out.

The total length of bridge cum road comes to 54+16+50 (120 meters). The level difference is from +385.70 to +397.0M ie.12 meters. A slope of 1 in 10 is only possible. Final listing switches yard position at Power House. Measurements taken for Power house and switch yard. Land for the road on left bank identified and marked and measurement taken. About 6 cents of land is required.

No civil work is being carried out at Palakkuzhi weir site from November 2019, M/s. NCPL, the civil contractor, has requested PSHC to extend the completion time up to 31st March 2021.

3-R Package for Ensuring Sustainable Livelihoods of Fisherwomen in Kerala (Rebuilding, Revival, Reforms)

Project Coordinator	: Shihabudeen P,
Regional Coordinators	: Amal Mohan, Nikhil Sudheesh
Consultant	: A.K. Mathew
Project Outlay	: 8 lakhs
Funding Agency	: Society for Assistance to Fisherwomen (SAF)

This project is initiated by Department of Fisheries, Government of Kerala to establish Joint Liability Groups (JLG) network among fisherwomen. Society for Assistance to Fisherwomen (SAF) is the implementing agency and IRTC is the consultant of the project. This project comes under the broad umbrella of Theeramythri programme and is piloted in Kollam district. IRTC has given managerial and field level coordination support to 3R project for its implementation and to ensure sustainability. Those include hand holding support in project proposal making, ensuring financial support from NABARD, and collaboration with the Kerala Gramin Bank. IRTC supported

SAF in identifying 1000 beneficiaries, formation of 200 JLGs and their bank account creation.

Training for 3 R Project Facilitators

A four day training programme was conducted for the 3 R Project Facilitators at IRTC from 4th to 7th December 2019 at IRTC. This was an induction programme for the newly joined facilitators and livelihood professionals at SAF. The participants included ten facilitators, two District Mission Coordinators and four interns in livelihood development. The training programme was inaugurated by Sreelu N.S., Executive Director, SAF.



SAF Executive Director Mrs. Sreelu inaugurating



IRTIC Registrar K.K. Janardhanan and Dr. N.K. Sasidharan Pillai on stage

Managerial and Field Level Implementation Support for the Theeramythri Project

Project Coordinator	: Amal Mohan
Regional Coordinators	: Nikhil Sudheesh, Jayaprakash P. S.
Consultant	: A. K. Mathew
Project Outlay	: INR 16,00,000
Funding Agency	: Society for Assistance to Fisherwomen (SAF)

IRTC has been giving managerial and field level support in the implementation of Theeramythri Project since phase I for the last 10 years. The micro enterprises under the Theeramythri Project recorded a total sales turnover of about INR 91.05 crore during the financial year 2019-20.

The centre involved to increase the sales volume of federations, review formats for monthly review meeting, opportunity Guidance Training Programme in six districts for beneficiary selection during the reporting year. Besides, IRTC supported SAF Activity Groups' Apex federation in procurement and distribution of garments materials. IRTC representatives visited cities like Ahmedabad, Mumbai, Kolkata and Surat as a part of procurement of garment materials for apex federation and also supported in distribution activities in different districts.

As a part of documentation and social media promotion, SAF has decided to select 100 successful micro enterprise units under Theeramythri Project and make videos depicting their success stories. IRTC has coordinated the video production and the promotional activities through social media.

IRTC has supported SAF to conduct an evaluation study of the CARE Home project implemented by the Department of Cooperation. IRTC coordinated the activities for the implementation of

Ashtamudi Phase 2 project by SAF, which includes trainings, construction activities and meetings. Discussions were done with Indian Bank and bank approved 30 Lakhs loan towards project.

IRTC conducted meetings with the representatives of SMART, who are providing Achievement, Motivation and Management Training. Project consultant and Project Coordinator participated in the AMT and the orientation programme conducted for the beneficiaries of the Ashtamudi Phase 2 project. The project coordinator also visited various Apparel parks as a part of setting up one in Kundara, Kollam. Feasibility Study for the proposed micro enterprise units was conducted.

Theeramythri team members have also supported the 4-day training programme conducted at IRTC for the facilitators and mission coordinators of the 3R Pilot Project implemented by SAF. In addition, the following Project Proposals/Concept Notes were prepared for SAF

- o Theeramythri Project Proposal 2020-21
- o JLG Project 2020-21
- o ICZMP – Three Projects
- o Seafood Restaurants in 140 Constituencies
- o Covid-19 Revival Package submitted to Central Government

- o Covid-19 Mitigation & Economic Package

IRTC has been actively participating in the state level monthly review meetings, district level weekly meetings and Theeramythri Management Council (TMC) meeting at LSG levels and have been guiding and supporting SAF in planning and implementation of annual and monthly plans. Apart from

participating in meetings, IRTC have been supporting SAF by extensive and regular field visit and thus ensuring the strict monitoring of the project. In the year 2019-20, 95 new activity groups were identified to establish micro enterprise units in ten districts.

KILA- Laboratory

Project Consultant: Prof. P.K. Raveendran

IRTC is the consultant for Microbiology laboratory facility of KILA, Attappady. Works including research and production of biofertilizers, soil analysis and water testing are being carried out in the lab. Under the auspicious of the laboratory, water analysis of different sources at Attappady are also being done. Trainings were provided for the laboratory staff and IRTC faculty conduct frequent visits for the monitoring of the laboratory functions.

Academic Support to Brahmagiri Development Society

Project Co-Ordinator	: Prof. Balagopalan K.
Coordination team	: Dr. C. Chinchu, Shinton P.C, Reeshma, Vaishakh
Agency	: Brahmagiri Development Society
Project outlay	: 2.5 Lakh

With the expertise of IRTC, we provided consultative support for Brahmagiri Development Society, Wayanad. Academic support was provided for framing the syllabus, questions and conducting examination including the preparation of rank list for the recruitment of various technical posts in Malabar Meat Factory under the society.

IRTC Divisions

Natural Resource Management

Head of the division : R. Satheesh
: Praveen K. V.
: Ramachandran M.

The division is providing technical support to a number of LSGIs in the preparation of watershed based master plan and implementation of holistic watershed development programmes/ projects all over the state. On the water conservation front, the division has expertise in pond renovation; stone pitched bunds, earthen bunds, live

fencing, contour trench, moisture conservation pits, mulching, etc. As a recognition of the NRM's division intensive intervention in the watershed development, Government of Kerala has approved IRTC as an accredited agency for watershed planning of local bodies in Kerala.

Sl. No.	Name of LSGD	Name of DPR	DPR Cost (in lakhs)
1	Punnayur Grama Panchayath	Watershed master plan	6.19
2	Kadappuram Grama Panchayath	Watershed master plan	3.33
3	Kariumkulam Grama Panchayath	Watershed master plan	
4	Karuvarakundu Grama Panchayath	Watershed master plan	9.03
5	Pothukal Grama Panchayath	Watershed master plan	
6	Thanalur Grama Panchayath	Watershed master plan	

DPR preparation of Vattalakki Farm, Attapady

Co-ordinator : R. Satheesh
Team Members : Vaisakh P.N, Shanish VN,
Nikhil K V, Harikrishnan, Vivek Ashokan
Funding Agency : Attapady Farming Society
Sanctioned Amount : 21,4170/-

The goal of the project is to prepare a holistic plan for the development of 100 acres land in the Vattalakki farm that belongs to the rain shadow region of Attapady. This is envisaged through total soil and water conservation, biomass improvement, irrigation and

sustainable agriculture with focus on tree crops.

- Conducted PRA among the Vattalakki farm beneficiaries, conducted GPS based field survey to identify the issues and thus devised solutions and intervention plan with estimates. Draft

report presented before a committee comprising of District Collector, Tribal Development officer, National tribal mission representatives and domain experts. Incorporating their suggestions the final Detailed Project Report submitted to Attappady Farming Society.

- Water conservation measures such as earthen bunds, stone bunds, rain pits, silpaulin tanks, gully pluggings, bore

well recharge and pond renovation were proposed under this project.

- Drought resistant and less water requiring tree crops along with drip and pitcher irrigation using bamboo stems is suggested in this region.
- High density plantations, fruit groves and artificial forest patches were proposed in less utilised land.

Energy Division

Head of the Division: Prof. B.M. Musthafa

From the experiments on smokeless chulhas, IRTC accented more experiments in developing the Parishad Hotbox which also had a pivotal role in energy conservation in households. The energy division subsequently focused

more on the eco-friendly small hydel project. Recently, IRTC is involved in providing consultancy support to energy audit and green audit of different institutions.

Preparation of Green Audit Report

Project Co-ordinator	: Prof. B.M. Musthafa, Mr. Indrajith.K.S : Shinton P. C., Sreeraj P.
Consultants	: Suresh Babu V., Benzy Zacharia
Project outlay	: 3,97,470/-

IRTC provided green audits for educational institutions in Kerala. During the year, we have prepared Green Audit and Energy Audit Report for both Rajagiri college of Social Science and Maharaja's College, Ernakulam. This activity carried out with collaboration of OTTOTRACTION, accredited engineers of energy and environment audit. In addition, we have

prepared Environmental Audit for Rajagiri College.

Green Audit aims to assist institution to reduce their carbon footprint and educate about strategies for carbon mitigation using their institution as model. Also this audit covers institutes responses towards SDG by covering SDG 3, 6, 7, 11, 13, 15. The green audit also



Maharajas College



Rajagiri College

aims to educate students and teachers on the concept of carbon footprint and to enable the students to collect data pertaining to the carbon emissions and carbon sequestration in their campus and to calculate the specific carbon footprint of the campus.

The project also suggests plans to make the campus carbon neutral or even carbon negative by implementing carbon mitigation strategies.

Solid Waste Management Division

Head of the Division: Prof. V.R. Raghunandanan

IRTC is recognised as the Centre of Excellence in Waste Management by the Government of Kerala. We could efficiently utilize the infrastructure facilities of the CEWM for research in the area of solid waste management and conducting a series of hands-on training for more than 1500 people. The division provides technical support to various Local Self Governments in Kerala in the planning and implementation of Solid Waste Management units / projects in their localities. It had started its experiments in solid waste management in the late 1990s. Hitherto, IRTC has been able to take up the waste

management projects and programmes of more than 400 local bodies across the state. Among them, Kunnampulam and Alappuzha municipal waste management programmes became popular models. IRTC has also succeeded in developing several institutional models for waste management, the plants working in Thiruvananthapuram and Kozhikode Medical Colleges are good instances of this. The expertise of SWM Division has extended for the preparation of DPR proposals for Harbour Engineering Department, Puthiyappa and performance evaluation of ETP, Kottakkal Municipality.

DPR Preparation

Name of the Local Body	Name of DPR	Cost (in Lakhs)
Ranni Pazhawangadi Grama Panchayath	Solid Waste management	2.71
Kailasa Nadha Educational Trust, Thrissur	Agro ecological	1.07

Training on Solid Waste Management for *Harithakarmasena*

Project Co-ordinator	: Prof. V.R. Raghunandan
Training Co-ordinator	: Latha P.B.
Faculties and field co-ordinators	: Fathima Nashwa, Alisha das, Sobha.T.R K.K.Manoj, K.P.Ramakrishnan, Jyothi.V Rathish C.R., Muralidas A.
Training fund	: 28.33 Lakhs
Funded Agency	: KILA

IRTC being Centre of Excellence in Wastemanagement, organised a three-day residential training programme for 20 batches of Harithakarmasena members in collaboration with KILA under the Urban Sanitation-Waste Management Programme, Government of Kerala. Each batch consists of 40 to 50 participants. A total of 880 Harithakarmasena members from all the Corporations and 61 selected Municipalities of received training. Theoretical and practical trainings were provided to the members in multiple areas related to waste management including: sanitation and

waste management, practical trainings on biogas production and dry digester, segregation of plastic waste, plant visit, legal provisions associated to waste management helpful for them, income generation methods, etc. Along with that, the training also focuses to develop the soft skills of the Harithakarmasena members, who are mostly constituted by women from underprivileged sections of the society. The trainings provided to the green army of the state are intended to reflect the waste management activities in the grassroots.

In - house project for Biofloc, Composting and Biofertilizer inocula development

Principal investigator	: Damodaran P. N.
Co-investigator	: Anju A.
Project Outlay	: 15,000
Funding Agency	: In-house

An in-house project for Microbial consortia (inocula) identification and testing for efficacy for different uses such as biofloc, composting and bio fertilizer purposes are targeted and being carried out under Solid Waste Management Division and Microbiology laboratory. Molecular Identification of the microorganisms and experimental studies are underway. The project was started in January 2020. Microbial consortia from Biofloc are already identified and isolated. Experiments

on composting and bio fertilizers are now being done.

Training for the Preparation of Sanitizer

Under the guidance of Dr. P.N. Damodaran, trainings for the preparation of sanitisers were provided to jail inmates of Palakkad District. The activities were undertaken as a part of Covid preventive measures by the jail authorities. The division also involved with the production of sanitizers for the in-house requirements.

Social Science Division

Head of the Division: Dr. Rajesh K.

The Social Science division has been continuing with its own projects and assisting other departments of IRTC as well. The division provides internship and project support to Post Graduate students of social work and other social

science streams. Training and workshops to institutions are also provided in areas such as research methodology, Participatory Rural Appraisal (PRA), field work etc.



Assessing Impact of Floods / Landslides On Biodiversity in Attappady

Principal investigator	: Dr. K. K. Seethalakshmi
Co-investigator	: Dr. Chinchu C.
Project Outlay	: INR 2,37,600/-
Funding Agency	: Kerala State Biodiversity Board(KSBB)

The study addressed the impact of floods/landslides on the biodiversity, bio resources, and tribal livelihood in Attappady and the impact on traditional food crops like tubers, millets and pulses were assessed. The main objective of the programme was to propose strategies and action plans to restore tribal livelihood and conserve bio resources.

On a primary assessment of the impact of recent floods in Attappady, it was found that considerable damage has occurred for crops, both annual and perennial. Among the plantation crops, nutmeg and arecanut were most affected. All the annual crops like raggi, ground nuts were washed away. Remaining crops like maize was

completely dried due to the sand deposit. The tuber crops like tapioca, sweet potato also indicated a low yield. Another severe problem affecting tuber crops was attack of wild pigs. Baseline data which could be availed through early documentations like biodiversity register was not complete. The main source of information was traditional knowledge of the elderly people. A detailed study is planned in the inundation area of River Bhavani which covers tribal settlements and the area affected by landslides and soil piping with the participation of stakeholders.

The study of the soil chemistry of areas flooded by the river, and landslide locations were also conducted. The final report was submitted to Kerala State Biodiversity Board. A public presentation based on the findings of the study was done at Agali on 13.02.2020. The presentation was presided by the district coordinator of KSBB, and the discussion was attended by people's representatives, officials, and general public. Need for disaster resilient development a programme was stressed in the discussions.

Impact Assessment of KILA Training Programme on Capacity Building for Urban Local Body Officials

Principal investigator	: Dr. Rajesh K.
Co-investigator	: Dr. Chinchu C.
Coordinator	: Smitha P. R.
Team members	: Vishnu Sagar T. R., Sibin K.K., Vimal V., Nikhil K.V., Yamuna Sivan
Project Outlay	: 12,65,550
Funding Agency	: Kerala Institute of Local Administration

This was an evaluation study funded by KILA to understand the impact of training programmes for urban officials. The study was designed in a way to understand different dimensions of performance of urban local bodies in Kerala. The changes in the performance of officials before and after training were also evaluated. The study has attempted to formulate recommendation, improve the content and process of training provided to urban officials, etc. A detailed checklist was administered among 165 officials across the state; those have attended the training programme. The urban municipalities in Kerala were divided into three zones viz. South, Middle and North and one district was selected from each zone.

The entire urban local bodies from Thriuvananthapuram, Pathanamthitta (South Zone), Ernakulam, Thrissur (Middle Zone) Malappuram and Kannur (North Zone) were included in the study. The study also covered four municipal corporations and 31 municipalities. The study was conducted from February-July, 2019. The study has analysed the performance of urban governance in Kerala in the aspects of tax and non-tax revenue collection, initiatives for improving the efficiency of governance, initiatives for improving service delivery, actions taken for urban spatial planning and urban beautification.

Impact Assessment of KILA Training Programme on Child-Friendly Local Governance

Principal investigator	: Dr. Rajesh K.
Co-investigator	: Dr. Chinchu C.
Project Coordinator	: Arjun Prasad
Team members	: Nikhil Sudheesh, Shibina E., Akhil Benny, Anandu K.S., Geethu T.V., Krishna Radhakrishnan, Shinshya P., Saritha V., Sajana, A. S., Muhammed Afsal K.T.
Project Outlay	: 20,48,244
Funding Agency	: Kerala Institute of Local Administration

This was a study undertaken for KILA to understand the changes in child friendly initiatives by the local bodies, before and after the implementation of Child Friendly Local Governance programme organised by KILA. This programme was implemented by KILA in 140 Gram Panchayats and six municipalities. Among them, 30 Grama Panchayats and two municipalities were selected for the study. The study emphasised on understanding the impact of the programme in disseminating the concept of Child Rights among

different stakeholders and to analyse the budget allocation and expenditure of Local Bodies towards Child Friendly initiatives. It has also attempted to describe the initiatives of LSGI for protecting child rights in the domains of Survival, Development, Protection and Participation. The study was conducted during the period of February 2019 to June 2019. The overall results of the study attempted to highlight the initiatives of Local Bodies to uphold the Child Rights in the context of CFLG programme.

A Web Enabled Initiative for Developing Scientific Temper among Secondary School Students in Kerala

Principal investigator	: Dr. Rajesh K.
Co-investigator	: Dr. Chinchu C.
Team member	: Vyshakh M. S.
Project Outlay	: INR 7,25,000
Funding Agency	: UNICEF

This programme was funded by UNICEF and implemented during November 2019 and March 2020. This project was intended to conduct an online quiz programme to nurture the scientific temper and scientific knowledge of secondary students. This programme was named as LUCA (Last Universal Common Ancestor) Quiz Programme and totally administered in a web based platform. Different domains such as natural science, Physical Science,

Earth Science, Mathematics and Information Technology were covered under this programme. Questions for the programme were developed from a series of workshops of experts across the state. There were three rounds in the programme. The first round included questions from all spheres and the second round was subject specific. The quiz programme also had a final round. More than 17000 students participated in the programme.

Exploring Potential of Local Governments in Improving Quality of Secondary Education: Mapping Experiments and Prospects of Thrissur District Panchayath, Kerala

Principal investigator	: Dr. Rajesh K.
Co-investigator	: Dr. Chinchu C.
Team members	: T. K. Meerabhai, Binilkumar T., Anandu K. S.
Project Outlay	: INR 6,30,000
Funding Agency	: UNICEF

This is a study project supported by UNICEF conducted from January 2020 to July 2020. This is an attempt to document the interventions of Thrissur District Panchayath in secondary education. It has conducted a detailed study to document the interventions from 1996 to 2020. Details of the entire exemplary projects undertaken by the District Panchayath were documented

as promising practices. The budget and expenditure analysis of District Panchayath for the last five years were also done in detail. In order to explore the reflections from the field, case studies of ten schools from across the district were also conducted. This study attempted to map potentials of a District Panchayath in transforming secondary education.

Role of Model Residential Schools in the Educational Attainment of Tribal Students: An Analysis of performance of Tribal Residential Schools in Kerala

Principal investigator	: Dr. Rajesh K.
Co-investigator	: Dr. Chinchu C.
Project Coordinator	: Shihabudeen P., Nishamol M.
Team members	: Dhanoop Mohan, Binilkumar T. Nikhil Sudheesh, Anagha E.
Project Outlay	: 9,79,000
Funding Agency	: Kerala State Planning Board

The study conducted during January 2019 to December 2019, was an evaluation to understand the role of Tribal Residential Schools in the educational attainment of tribal students in Kerala. The study covered all the 20 Model Residential Schools across the state. There were two stages in the study. In the primary stage, data was collected from twenty schools through a detailed checklist (Information regarding infrastructure, academic performance

and the administration of the school). The second stage included a detailed case study covering ten MRS schools representing different geographical area and cultural specificity. Detailed analyses of academic performance of the students have been done by analysing the results and by conducting evaluation tests. Post schooling experiences of the students have also been gathered by Focus Group Discussions among alumnae from different tribal location viz. Attappady,

Wayanad and Marayur. Interviews of Teachers and Administrative staffs was also conducted to explore the dimensions of governance and

administration. The study has adopted a mixed methodology approach for exploring the comprehensive picture about the functioning of schools.

Evolving Strategies for Developing Maths and Science Competency of Tribal Students at Secondary Level (Padanodhyanam)

Principal investigator	: Dr. Rajesh K.
Co-investigator	: Dr. Chinchu C.
Team members	: V. V. Shaji, Akhil Benny, Anagha E.
Project Outlay	: INR 20,99,950
Funding Agency	: UNICEF

This programme named Padanodhyanam is an intervention project supported by UNICEF. The programme aimed to develop science and mathematics learning skills of students from tribal community, studying in secondary classes. This is a pilot project implemented in four hamlets of Idukki district located in Manakkad, Velliyamattom and Adimaly panchayaths. This has followed an approach of activity based learning to make the learning process more joyful. Learning

process is organised through learning centres established with the support of community and schools. This project was implemented through trained volunteers selected from the tribal community itself. A baseline and end line study was conducted among the participants to understand the impact of the programme before and after intervention. The first phase of the programme was implemented from July 2019 to February 2020.

Training for tribal youth in Attappady

Programme Co-ordinator- Anandu K.S.

A training programme to prepare educated tribal youth in Attapady for the Railway Recruitment Board examination was conducted in collaboration with ITDP and KILA.

Event co-ordination and Resource Support

The division co-ordinated two participatory camps with the support of environment subject committee of KSSP. From inviting applications from participants, selection of participants, scheduling the programme content and providing sessions; the technical and academic expertise of the Centre was utilised. The first one on New Kerala:

Land, Humans and Lives and New Kerala: Survival, Progress was held from 6 to 8 December, 2019. Another on New Kerala: Survival, Progress was held on 15th and 16th February 2020. There were sessions on climate change, development, GIS, Remote Sensing etc. Possibility of harnessing youth energy for sustainable development initiatives was a major topic

of discussion in the camp. The sessions also focussed on the developmental issues of Kerala. Around 40 students,

research scholars and young activists participated in both the programmes.

Aquaculture Unit

Project trial- RAS-Aquaponics with MBBR System

Principal Investigator	: Prof. B.M. Musthafa
Scientific Support	: Dr. N.K. Sasidharan Pillai
Consultant	: Dr. Jalajakumar
Team Members	: Swathi M., Vipin T.B., Prameela G. Sreeraj P., Vaishak
Funding Agency	: Fisheries Department, Kerala

The RAS-Aquaponics system has been launched at IRTC under the Blue Revolution Scheme of the Department of Fisheries, Kerala. It's a new technology that combines Aquaponics and Re-circulatory systems. In this system fish and vegetables can be grown at the same time. The plants absorb and purify the waste products (mainly Ammonia) in the water due to the growth of fish and the water returns to the fish tank. Initially, 2000 Genetically Improved Farmed Tilapia (GIFT) fish seeds were deposited on an experimental basis in a fish tank from nursery tank. (The tank has a maximum capacity to grow 6000 nos). Colocasia was planted to further purify the water in Aquaponics grow bed. Its leaves are fed to fish. Also established 120sqm plant bed after removing the

abandoned old ponds.

Objectives

- To popularise new farming practices in the aquaculture scenario of Kerala
- To increase fish production from the available area.
- To disseminate suitable technology for the innovative aquaculture practices.
- To develop confidence among farmers for the new practices.
- To increase the income from unit area.

Mrs. Anita, Assistant Director, Fisheries Department, Malampuzha inaugurated the fish harvest on 8th November 2019. 723Kg of fish was harvested (1750



Fish Harvest Inauguration

numbers of fishes). The sale worth INR 1,51,000 was achieved after the first harvest. As part of experimentation 50 fishes were kept in a separate tank for the purpose of breeding.

Propagation of “Leafish” Garden

The leaves play an important role in feeding the fish. So the IRTC fisheries division built a new plantation named Leafish Garden. Prior to this Azolla and Lemna were also grown here.

Biogas Production From Fish waste

RAS-Aquaponics Filter system produces biogas from slurry that accumulates in the settling tank. This is a new concept of IRTC.



RAS Aquaponics training for watershed committee members

Provides Training to fish farmers and new aqua entrepreneurs

The fisheries division of the IRTC provides three days hands on training for farmers and new aqua entrepreneurs in advanced aquaculture technologies such as RAS, Aquaponics and Biofloc. Three batches were trained during this year.

Pottery and Decoupage Division

Division Head
Team Members

: Dr. M. Lalithambika
: Subesh Babu, Geetha
Rema R., Yasoda, Rajeeesh Kottayi

Earthenware pottery is promoted in IRTC since last 20 years. During this period several interventions were made in the potter community by way of modernisation of their gadgets like improved motorised potter's wheel and mini pug mill and diversification of pottery products. A monograph indicating the activities of the division also has been prepared. The unit arrange trainings and participate in exhibitions on a regular basis. This year, the divisional activities were confined to terracotta relief work.



Renovation work of the terracotta art work “Buddha under the Banyan Tree” at the Railway Divisional Office, Palakkad

This art work was completed in 2017. After three years of exposure to sun and rain its appearance has become a little dull and the Railway Divisional Office approached IRTC for its renovation. The work was promptly completed. The Railway Divisional Board financed INR 82000/- for the work.

Business activity

Ceramic pebbles for hydroponic applications

Around 300 kg of pebbles of different sizes ranging from 2- 6 cms were prepared, fired at 700 degree Celsius



and transported to Sasyaved Research Laboratory, University of Hyderabad, as support material for growing plants. The activity generated an income of INR 20,000

Chitrakala Swayam Sahaya Samgham JLG working at IRTC Campus

This is self-help group formed at the initiative of IRTC, and consists of local potter women. During the reporting period our major clients were KFRI Nilambur, KFRI Peechi, KILA and various schools in Palakkad district. The products are on display in our Show Room, "Gramakala" as well.



Mushroom Unit

Head : Surya Sethumadhavan
Team members : Sunitha P. L., Padmavathi P.V.,
Sajitha N.C., Sudha P.S.

IRTC had established the mushroom production centre in the year 1995. Since then this activity has been going on as a funded project and as an in-house research and livelihood support activity. Only Oyster Mushroom cultivation has been promoted here so far. A central

spawn cultivation unit and a model mushroom cultivation unit are operating in the IRTC campus. The division imparts on-demand training in mushroom cultivation and extends technical support to mushroom growers in Palakkad and neighbouring districts.

Mushroom Production:

The production of oyster mushroom per day has been 1-2 kg. This is achieved by laying around 15 beds per day.

Spawn Production:

IRTC is preparing spawn from Sorghum vulgar as the possibility of contamination in this case is much less. The production capacity is around 500 kg of Mushroom spawn every month and we produce around 400 kg as per demand from farmers.



Mushroom production and sales figures

Sl. No	Particulars	Quantity
Production		
1	Total beds prepared	2815
2	Damaged due to contamination	603
3	Total production of mushroom	530 kg
Sales		
4	Fresh mushroom(200 g pack)	2226
5	Dry mushroom(50 g pack)	9
6	Soup powder (10 g pack)	12
7	Mushroom bed	40

Other activities

Mushroom division has undertaken the following activities:

In-house Projects

- Quality checking of the spawn produced in the in-house lab
- Study on the degradability of contaminated mushroom spawn with dried leaves.
- Culturing of mother culture from various mushroom parts
 - Fresh and newly harvested mushroom (Failure due to contamination)
 - From mother spawn (Failure due to bacterial contamination)

Publication and Documentation Cell

Librarian	: Priya R. Balaraman
Library Assistant	: Radhamani M.
Public Relations Assistant	: Akhila M.
Documentation Assistant	: Prajeesh A.

IRTC Library has a vast collection of books, reports, journals and other documents related to various topics. A book corner in the name of Late Prof. M. Shivashankaran was inaugurated by A.P. Muraleedharan, President, Kerala Sasthra Sahithya Parishad on 28 February 2020. A memorial lecture was delivered by Prof. M. Kavumbai Balakrishnan along with the inauguration.

The Public Relations and Documentation Cell of IRTC undertook various initiatives to streamline both the internal and external communication. The regular activities include photo and video coverage of daily activities, preparing and sending news reports to the press, designing posters and banners and designing documents for various divisions. IRTC Annual Report 2018-19, "Establishment of Centre of Excellence in Waste Management" – for SWM Division, Proposal for Fund Support for the Financial Year 2020-21, IRTC monograph on Meenvallom SHP, reports prepared by Social Science Division – CFLG & ULB, Impact of Floods/ Landslides on Biodiversity, Resources & Tribal Livelihood in Attappady were the major documents designed by the documentation cell.

The documentation cell collaborated with various divisions to prepare 80 panels to document the activities done by IRTC from its inception during the month of November 2019. Also, information regarding various activities was updated in our social media handles like Facebook and YouTube. Publication and Documentation division Cell with setting up the stall at Kerala Science Congress 2019. A total of four newsletters were prepared and circulated. Among that the last four were digital which was sent via email. A contact list comprising the email address was prepared for it. Works related to special edition newsletter and monographs on various divisions were started. IRTC brochure was redesigned and printed. The website revamping works initiated by the cell are under progress. A WhatsApp group was formed to make internal communication effective. A DSLR camera was purchased to meet the requirements.

Student Internship

The documentation cell provided internship for a student from Central University of Rajasthan to document the video of TDF Wadi project at Attappady.



MAJOR TRAININGS / WORKSHOPS

Training in Fundamentals of GIS & Remote Sensing

Programme Coordinator : Anand Sebastian
Team members : Vivek Asokan, Rajan M., Ragendu N. R.
Funding Agency : In-house

The NRM Division conducted seven batches of hands-on training programmes in GIS and Remote Sensing. Around seventy beneficiaries from various parts of the country including students, professionals, academicians

etc. have participated in the three day training programme. Trainings on both fundamentals and applications of GIS in dealing with the management of environment data and other related requirements were provided.



Mushroom cultivation Training

Training Co-ordinator : Surya Sethumadhavan
Funding Agency : In-house

During the reporting year IRTC has conducted two in-house training programs with the participation of 29 persons. Demonstration and hands-on training programmes for ATMA NGO teams with the participation from various

Krishi bhavan were conducted on demand. Training and demonstration for students from various colleges of Kerala and Tamil Nadu were also conducted.



Pottery Training

Programme Coordinator : Dr. M. Lathithambika
Funding Agency : Kerala State Backward Classes
Development Corporation
Amount : 6.14 Lakhs

This was a residential training program for 28 potters belonging to Kasargode District for a period of 15 days during January 2020.

Familiarisation in the use of motorised potter's wheel, pugging of clay for the uniformity of the raw material, painting of

pots (decoupage), relief work, jigger jolley technique, ornament making, etc. were introduced to the trainees.

The sponsors, the trainers and the trainees wholeheartedly worked for the success of the program.



Climate Warriors: Training Youth in Understanding and Fighting Climate Change

Project Coordinator : Dr. Chinchu C.
Funding Agency : Directorate of Environment and Climate
Change, Government of Kerala
Amount : 75,000/-

The training programme titled 'Climate Warriors: Training Youth in Understanding and Fighting Climate Change' was conceived to train youth from the states of South India on various scientific and social aspects of climate change adaptation and mitigation. The trained youth would be encouraged and supported to initiate dialogues in campuses and public places. The

programme aimed to create a shift in climate change related discourses by replacing the existing romanticized and mostly impractical notions of climate change action with evidence informed pragmatic problem solving activities. Around 200 applications were received from different states and 45 participants were selected.

PROGRAMMES AND EVENTS

National Science Day

Programme Co-ordinator: Sreeraj P.
Funding Agency : KSCSTE
Amount : 12,000

National Science Day was celebrated on 28 February 2020. Dr. K.P. Aravindan, Former Professor, Govt. Medical College Calicut delivered keynote address on *Vaidyasasthrathile Darwin*. K. Rema,

Senior Correspondent, Deshabhimani delivered a talk on women in Science. Students from various educational institutions attended the programme.



Dr. K. P. Aravindan inaugurating the programme



Participants of National Science Day programme

NABARD Consultative Workshop

Programme Coordinator: R. Satheesh
Funding Agency : NABARD
Amount : 50,000

A one day workshop on Climate Issues of Kerala and Adaptive Solutions was conducted on June 8, 2019. The prime agenda of the programme was to give overall awareness on climate change and its impact on agriculture and allied sectors to 50 participants from the twenty KfW soil project implementing watersheds in Palakkad district. Dr. Abhilash (CUSAT), Dr. Baby Chakrapani (CUSAT), Dr. U. Sureendran (CWDRM),

Dr. S. Sreekumar (IRTC) led sessions. Dr. George Thomas, Dean (Retd.), Kerala Agricultural University, Suresh Babu, Deputy Director, Agricultural Department, Abdul Hameed, Scientist (Rtd.), CWRDM and Jose Mathews, Ex- Panchayath Standing Committee Chairman and best farmer awardee took part in the concluding panel discussion.

Ozone Day -2019

Programme Co-ordinator	: Kavya Jeevan
Funding Agency	: KSCSTE
Amount	: 12,000

The world ozone day was successfully celebrated on 23rd September 2019 at IRTC. The theme for this year's event was '32 Years and Healing'. Commemorating the date of signing of the Montreal Protocol, we celebrated the 32nd anniversary of the historic achievement, for phasing out the ozone depleting substances.

Talks on CFC – Ozone depletion and way to climate change, Threat to life and ecosystem damage were delivered by Prof. B.M. Musthafa and Dr. Uma J. Vinod respectively. Dr. K.M. Balagopalan, Director of Research, IRTC presented a session on the topic 'Ozone layer, composition and formation'.



Dr. Uma J. Vinod addressing the participants



Prof. B. M. Musthafa delivering the talk

World Environmental Day 2019

Focal Theme	: Beat Air Pollution
Date	: 2019 June 22 & 23
Program coordinator	: Vivek Asokan
Funding Agency	: KSCSTE
Amount	: 12,000

A two day workshop titled "Public Understanding of Air Pollution" was held at IRTC on June 22nd & 23rd, as part of the World Environment Day celebrations. The focal theme of the year's theme was Beat Air Pollution. 30 Haritha Sahaya Sthapana members and 20 environment activists participated. Mr. Sabu, Taluk Industrial Officer, Chittur, delivered the introductory lecture for the program.

Talks on Why Environmental Protection Movements Should Spread, The Influence of Air Pollution on Plant and Animal Life and Major Air Pollutants in Health Related Issues, Science of Waste Management were delivered by Dr. Rajesh K., Dr. Uma J. Vinod and Fathima Nashwa respectively. P.P. Thankachan, KSSP activist, Ernakulam explained the Thuruthikkara Green Village experience.



National Technology Day

Programme Co-ordinator: P. Sreeraj

Funding Agency : KSCSTE

Amount : 20000

National Technology Day was celebrated at IRTC campus on 13th & 14th May 2019. This year's technology day was celebrated with the theme Technological Entrepreneurship, Growth and Competitiveness. The inaugural function was graced by the presence of I.A. Chacko, (Agronomist, IRTC), Benraj (CEO, Bio Elixir Naturals) as Chief Guest, M. Ramachandran, (Administrative Officer, IRTC), R. Satheesh (Scientist, IRTC), IRTC staff and participants from outside. The technology day function was inaugurated by I. A. Chacko where he highlighted the theme of the program. The programme was attended by more than 60 students from different colleges, as well as faculty members.

Benraj (CEO of Bio Elixir Naturals) lead the seminar on new trends in bioscience. R. Satheesh (Scientist, IRTC)



Dr. S. Sreekumar inaugurating the function

spoke on how to develop a business model and competitive strategy for a successful tech start-ups. During the discussion, participants cleared the doubts and presented their viewpoints. The Chief Guest Mr. Rasheed, Industrial extension officer, Chittur, spoke about the basics of Start-up. A.K. Mathew, (Secretary, Project Implementation Unit of IRTC) took the seminar on analysing market opportunities. In the concluding session, Dr. S. Sreekumar (Director, IRTC) emphasized that technology development is the soul of a country and we are proud to have excelled in technology advancements in all its branches.

Consultative meeting on NABARD Projects



Shri. R. Srinivasan, CGM, NABARD visited IRTC and various project areas on 11-12 November to evaluate different projects undertaken by IRTC including the FPO activities. The discussions were done in the presence of R. Satheesh, V.G. Gopinath, Prof. M. Musthafa, Dr. Jalajakumar, VWC members, and other staff members of IRTC.

Summer Vacation Camp for Children

Programme Co-ordinator	: Sreeraj P.
Funding Agency	: In-house

A summer camp for children was organised at the campus from 14th to 17th of May 2019 to inculcate scientific temper and develop social skills in them. The participants obtained an opportunity

to take part in experiment based learning. The children visited the divisions of IRTC and gained a fundamental knowledge on research and development activities.

Haritha Sahaya Sthapanam

State Co-ordinator	: Sree Sankar T.P.
Regional Co-ordinators	: Jai Somanathan Jayakumar K. B., Subash U.
Superintendent cum	
Accountant	: Jayaprakash P.S.
Technical Assistant	: Sandra V.

In the year 2019-20, IRTC took a major responsibility of Haritha Sahaya Sthapanam (HSS) for providing local level technical and managerial support to local self government institutions such as Grama panchayats, Municipalities, and Corporations. HSS have well defined role to provide all technical and managerial support to LSGI's to successfully implement their decentralised waste management activities. HSS is a major supporting intervention envisaged to attain the major aim that is the "waste free Kerala" through the Haritha Kerala Mission.

During the reporting year 2019-20 IRTC had associated with 120 local

self government institutions. IRTC appointed Assistant Coordinators and Technical Assistants in each local body for the smooth functioning of waste management activities. This is further monitored by the Regional Supervisors. State Coordinator oversees the overall activities of local bodies throughout the state and provides necessary recommendation.

The collection of plastic, others inorganic wastes, deliver the same to MCF, segregation of wastes, dispatching to storage/recycling centers are done under the guidance of squad members of Haritha Sahaya Sthapanam.





In order to manage the operating costs of Harithakarmasena, there is a fixed fee levied from the users of the services. Revenue generated through the sales of waste give additional incomes for the local bodies. Training, technical and managerial assistance provided by IRTC at regular intervals helps all level of squad members to enhance their performance and deliver good results.

The strategy set up by IRTC is to set up different committees under cluster, ward, panchayath level (a Cluster includes 50-100 Houses). Each committee coordinates respective operation in their locality and ensure the involvement of entire population within the cluster / ward / panchayath. IRTC targets to achieve hygiene local bodies by conducting trainings, meetings and awareness programmes.

Anthur Municipality (Kannur), Eramala Panchayath (Kozhikode), Purathur (Malappuram), Alathur, Puthupariyaram, Sreekrishnapuram, Ambalappara, Vellinezhi (Palakkad), Kunnamkulam Municipality (Thrissur) Alappuzha and Harippad Municipalities (Alappuzha), Kollam Corporation and Sasthamcotta Panchayath (Kollam) are elevated as model interventions during the last year.

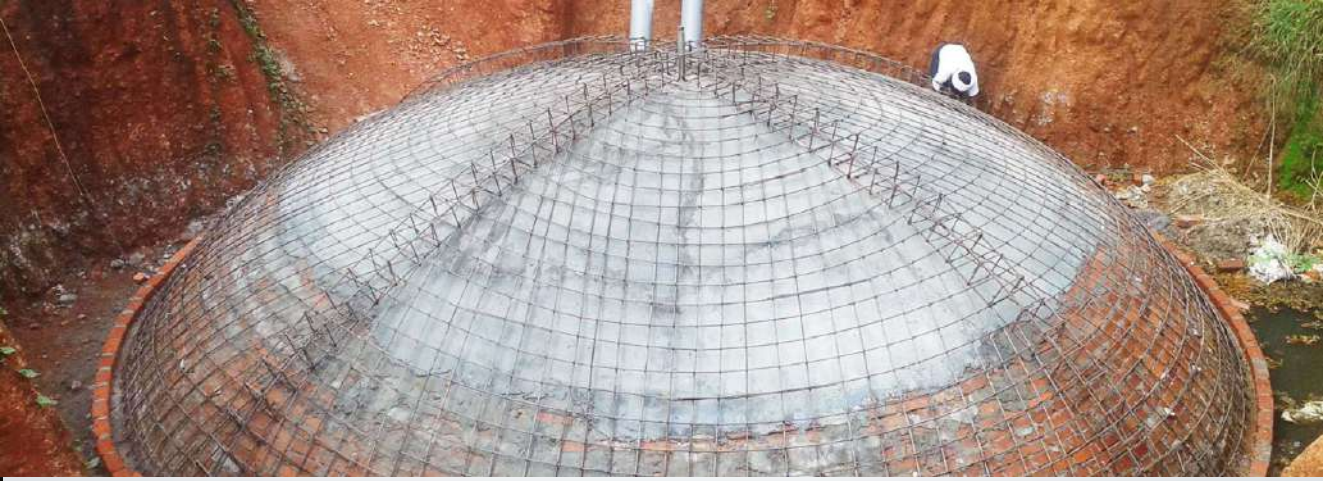
Due to lack of infrastructure (MCF, MRF), inadequate staff / board intervention, inadequacy of funds and shortage of active squad members some local bodies are behind our expectations. We are continuing the role of HSS by associating with local self-government for the year 2020 -21 also through engaging with them through proper memorandum of understanding.

Project Implementation Unit (PIU)

Chairman : K. K. Janardhanan (Registrar)
Secretary : Mathew A.K.

PIU was formulated as an extension of the research and development activities carried out by IRTC for more than three decades in the state. At present, the projects are undertaken under categories like engineering projects and non-engineering projects. Currently, PIU is

providing technological assistance in implementing community level waste management initiatives like Aerobic compost, Windrow compost, Community Bio-gas plants, MRF/MCF, school bin, well recharge, etc. In the year 2019-20, PIU has signed agreement for 111 non-



engineering projects, 103 engineering projects and three annual maintenance contract. This is including 110 incomplete spilled over projects from the previous year. The activities of PIU are carried out by the help of 10 service providers and Parishad Production Centre. In the reporting year 40 out of 214 signed projects were handed over. 80 of them

are in different stages of implementation. Those projects which have been signed in the month of March 2020 is not yet started due to Covid 19 restrictions. PIU could expand their activities after IRTC undertook the responsibility as Haritha Sahaya Sthapanam.

Parishad Production Centre (PPC)

Executive Director
Secretary

: Joseph P.V.
: M. Harish Kumar

Parishad production centre is an initiative of IRTC stands for popularizing the research output of (technology and products) IRTC in different fields. PPC focus on developing sustainable livelihood programs based on the experience of the activities done by IRTC in this area. The Centre is in a growing phase. The activities undertaken by PPC during the initial phase of Covid

19 outbreak is commendable. The production was raised to meet the increasing demand for sanitiser, hand wash and soap increased. Large scale selling of the waste management devices happened during this year. Rural Engineering Centre provided engineering skill for the implementation of the projects. Nursery and toiletry are the other units functioning under PPC.



Exhibition 2019-20

- Jay Shakthi Abhiyan Exhibition at Malampuzha on 30/08/2019
- NABARD Artisans exhibition at VGT Hall, Thiruvananthapuram on 31/08/2019 to 10/09/2019
- Sixth Deccan Haat 2019 at Hyderabad 12 to 15 December 2019
- National Level Technical Megha event SNITE-2K 2019 at Jawaharlal Nehru College Engineering Lakkidi, Thathamangalam from 19th to 20th November 2019
- Harithakerala Mission Suchithwa Sangamam at Thiruvananthapuram from 15th to 19th January 2020
- Kerala State Backward Classes Development Corporation Ltd. Silver jubilee Expo at Palakkad on 22th to 29th February 2020
- 27th National Children Science Congress Organized by Kerala State Council for Science, Technology and Environment (KSCSTE) on 27th to 31st December 2019 at Thiruvananthapuram
- KSCSTE 32nd Kerala Science Congress Expo from 24th to 27th January 2020 at Yuvakshethra College Palakkad

Seminars/Workshop attended

- **Re Build Kerala:-** Oorja Kiran Workshop-2019-20 Organized by Energy Management Sangam Kerala and Centre for Environment and Development at Kozhikode on 1st October 2019 -Indrajith Electrical Engineer attended
- KILA-UNEP Workshop on 30th September 2019 at Thiruvananthapuram - Dr. S. Sreekumar, Director (IRTC) attended
- National Service Scheme Urvaram Project of Kannur University -Workshop on Waste Management Programme – Mohanan Manali attended
- Seminar on Renewable Energy ITI Limited Palakkad on 15th January 2020- Prof.B.M.Musthafa attended
- Regional Workshop on Human Excreta Management in urban Kerala : Towards sustainable option State wide at Marriot Hotel, Kochi on 7th January 2020
- National Seminar cum Exhibition on Waste to Wealth : Opportunity and Challenges on 4th to 6th March 2020 – Prof. V.R. Reghunandanan attended
- 107th Indian Science Congress 3rd to 7th January 2020 at Bangaluru, Karnataka – Fathima Nashwa and Surya Sethumadhavan, Microbiologists, IRTC attended

Awards Received

Akshaya Oorja Award

IRTC received Akshaya Oorja Award instituted by ANERT, Government of Kerala from the Chief Minister of Kerala Shri. Pinarayi Vijayan on 11th November 2019.



Best Stall at Kerala Science Congress

IRTC received the award for Best Exhibition Stall under Non-profit Category at Kerala Science Congress held at Palakkad from 25th to 27th January 2020.



Appendix

APPENDIX-1

Visit - 2019-20		
Sl. No.	Name & Address	Total No.
1	CKVHSS Velliamattom, Thodupuzha	26
2	KSSP Kunnankulam	35
3	NSS Training College, Ottapalam	112
4	KILA Field Visit	429
5	KSSP, Thrissur	120
6	KSSP, Palakkad	100
7	GEMS Arts & Science College, Ramapuram	12
8	Mercy College, Palakkad	17
9	Govt. Engineering College, Thrissur	40
10	Govt. Engineering College, Palakkad	46
11	GUPS Edathara, Palakkad	73
12	SKHSS Nallepilly	17
13	Govt. Victoria College, Palakkad	27
14	Dept. of Economics, NSS College Ottapalam	70
15	LEAD College of Management, Dhoni, Palakkad	15
16	Kerala Agriculture University (KAU)	65
17	V.V. College of Science & Technology, Kanjikkode	40
18	Amrita Vishwa Vidyapeetham, Tamilnadu	42
19	Krishi Bhavan, Pattancherry	28
20	GVHSS Koonathara	63
21	Sree Narayana Guru College, Alathur	24
22	Maniyoor Karshaka Sangham	45
23	C.M Central School, Kongad	18
24	Govt. Victoria College, Palakkad	23
25	Mercy College, Palakkad	12
26	Madurai Institute of Social Science, Madurai	20
27	NSS College, Palakkad	14
28	Dairy Training Centre, Alathur	30
29	GLPS, Kundalassery	47
30	Govt. I.T.I., College	21
31	KILA Health Inspectors	45
32	AMLPS Melattur	71
33	Mankara West Basic UP School	50

34	District watershed development, Coimbatore	32
35	Ariyanchira U.P School	80
36	Aiswarya SHG, Kannur	20
37	Kerala Agriculture University (KAU), Mele pattambi	50
38	GMM GHSS Palakkad	30
39	Krishi Vigyan Kendra, Kozhikkode	25
40	CUTEC Koduvayur	57
41	S.N.College, Shornur	15
42	Kerala Forest Research Institute	24
43	Sree Sankara College, Kalady	32
44	ATMA ,Nedumbassery	35
45	ATMA ,Wandoor	50
46	ATMA, Mannarkkad	75
47	Mount Seenai School	65
48	Kerala University ,Thiruvananthapuram	30

APPENDIX - 2 Trainings Organised by IRTC during 2019-20				
Sl. No.	Name of Training	Agency	Duration	No.of Participants
1	Fold scope R&D Project	IRTC, KSSP	2	130
2	Haritha Sahaya Sthapnam Training	IRTC	4	160
3	GIS Training-2 Nos.	IRTC	2	27
4	KILA-Pencil Camp	KILA	2	187
5	National Technology Day-2019	KSCSTE	2	40
6	Capacity Building	KILA	2	20
7	Soap Training	IRTC	2	20
8	KPBR Training	KILA	2	50
9	Janakeeyasoothranam	KILA	2	50
10	UNICEF Workshop	UNICEF	2	30
11	Pre-School Training	SCERT	6	68
12	KSSP/Educational Workshop	KSSP	2	100

13	Ozone Day Celebration	KSCSTE	1	50
14	Law College Students Workshop	Law College, Thiruvananthapuram	2	50
15	Apprentice Training	ANERT	2	30
16	AIPSN (South Indian Cadre Camp)	AIPSN	5	45
17	Aquaponics Training	IRTC	3	20
18	SWM Training	KILA	2	50
19	STEP Training	KILA	2	50
20	Pottery Training	KSBCDC	15 days	20
21	Padanodyanam Camp	UNICEF	2	70
22	Deshabimani Non Journalist Camp	Deshabimani	2	70
23	Gifted Childrens Camp	RMSA	1	40
24	Residence Association Training	KILA	1	40
25	National Science Day-2019	IRTC-KSCSTE	2	100
26	SSA IEDC Camp	SSA	3 days	130
27	Climate Change	DOECC		
28	B.Ed. College Koduvayur	B.Ed. College		60
29	Barton Hills College, T.V.M			10
30	SAF-JLG Training	IRTC-SAF	3 days	

APPENDIX-3

STUDENT PROJECT / INTERNSHIPS - 2019-20

Sl.No	Name of Students	College	Qualification	Title of the Project
1	Johnsin Joseph	Jawaharlal College of Engineering & Technology, Lakkidi	Mechanical Engg.	A model for dificiency enhansed of compression and botting of fittered biogas
2	Ashwin Prasad	Jawaharlal College of Engineering & Technology, Lakkidi	Mechanical Engg.	A model for dificiency enhansed of compression and botting of fittered biogas
3	Akshay.K.N	Jawaharlal College of Engineering & Technology, Lakkidi	Mechanical Engg.	A model for dificiency enhansed of compression and botting of fittered biogas
4	Anishkumar.A.V	Jawaharlal College of Engineering & Technology, Lakkidi	Mechanical Engg.	A model for dificiency enhansed of compression and botting of fittered biogas
5	Chaithra.R	Bharathiar University, Maruthamalai, Coimbatore	Msc. Environmental Science	Devastation of wetland ecosystem and its environmental impact in pudussery panchayath
6	Hariprasad.K	Dhanalakshmi Srinivasan college of engineering	B.E/Mechanical engineering	Conversion of waste plastic in to alternative fuel by pycolysis method
7	Akhil.T.S	Dhanalakshmi Srinivasan college of engineering	B.E/Mechanical engineering	Conversion of waste plastic in to alternative fuel by pycolysis method
8	Aswin Krishna.R	Dhanalakshmi Srinivasan college of engineering	B.E/Mechanical engineering	Conversion of waste plastic in to alternative fuel by pycolysis method

9	Swathylal.L	MES College, Erumely	MSW	Potential of mushroom cultivation as livelyhood strateger experiences of IRTC
10	Akhil Job	MES College, Erumely	MSW	Potential of mushroom cultivation as livelyhood strateger experiences of IRTC
11	Saranya.P.Biju	MES College, Erumely	MSW	Potential of mushroom cultivation as livelyhood strateger experiences of IRTC
12	Muhammed Navas.I.P	Holycross IMT opposite, Manoram, Calicut	MSW	Potential of mushroom cultivation as livelyhood strateger experiences of IRTC
13	Krishna Das.V	MES Kalladi College, Mannarkkad		Reactivation of Charcoal by using ultrasonic cavitation method
14	Sangeeth.S	NSS College , Ottappalam	M.Sc Physics	A Study on Ultrasonic Cleaning System
15	Justin Philip	College of engineering, Munnar	B.Tech Mechanical Engineering	Forced Draft Gasifier Stove
16	Irshad.A.K	College of engineering, Munnar	B.Tech Mechanical Engineering	Forced Draft Gasifier Stove
17	Abin B Abraham	College of engineering, Munnar	B.Tech Mechanical Engineering	Forced Draft Gasifier Stove
18	Dhanasyam Prasannan	College of engineering, Munnar	B.Tech Mechanical Engineering	Forced Draft Gasifier Stove
19	Rekha P.K	Nehru Arts & Science College, Coimbatore	lind B.Sc Microbiology with Nano technology	General Studies of Microbial biotechnology

20	Fayiz Latheef	Nehru Arts & Science College, Coimbatore	lind B.Sc Microbiology with Nano technology	General Studies of Microbial biotechnology
21	Abbijith M.S	Nehru Arts & Science College, Coimbatore	lind B.Sc Microbiology with Nano technology	General Studies of Microbial biotechnology
22	Jency John	Nehru Arts & Science College, Coimbatore	lind B.Sc Microbiology with Nano technology	General Studies of Microbial biotechnology
23	Aiswarya.K	Nehru Arts & Science College, Coimbatore	lind B.Sc Microbiology with Nano technology	General Studies of Microbial biotechnology
24	Amala S Joseph	Nehru Arts & Science College, Coimbatore	lind B.Sc Microbiology with Nano technology	General Studies of Microbial biotechnology
25	Sandra Satish	Nehru Arts & Science College, Coimbatore	lind B.Sc Microbiology with Nano technology	General Studies of Microbial biotechnology
26	Shinimole.K.A	Sree Sankara College, Kalady	MSc. Environmental Science & Management	Environmental Assesment of NABARD Holistic watershed development project implemented of Chullimada
27	Sruthy.A	Sree Sankara College, Kalady	MSc. Environmental Science & Management	Socio-Economic Assessment of NABARD Holistic Watershed Project Implemented at Chullimada
28	Soorya.P	Sree Narayana Guru College, Chavadi	II Bsc Biotechnology	General Studies in Microbial biotechnology
29	Jinsha.S	Sree Narayana Guru College, Chavadi	II Bsc Biotechnology	General Studies in Microbial biotechnology

30	Sherin Joy	Sree Narayana Guru College, Chavadi	II Bsc Biotechnology	General Studies in Microbial biotechnology
31	Amritha.A	Sree Narayana Guru College, Chavadi	II Bsc Biotechnology	General Studies in Microbial biotechnology
32	Aparna.A	Sree Narayana Guru College, Chavadi	II Bsc Biotechnology	General Studies in Microbial biotechnology
33	Arshitha.A	Sree Narayana Guru College, Chavadi	II Bsc Biotechnology	General Studies in Microbial biotechnology
34	Lakshmi S Menon	Sree Narayana Guru College, Chavadi	II Bsc Biotechnology	General Studies in Microbial biotechnology
35	Gokul.G	Sree Narayana Guru College, Chavadi	II Bsc Biotechnology	General Studies in Microbial biotechnology
36	Gnanambika.S	Sree Narayana Guru College, Chavadi	II Bsc Biotechnology	General Studies in Microbial biotechnology
37	Arjun.P.J	Sree Narayana Guru College, Chavadi	II Bsc Biotechnology	General Studies in Microbial biotechnology
38	Josheena Mol.U	Sree Narayana Guru College, Chavadi	II Bsc Biotechnology	General Studies in Microbial biotechnology
39	Priyanka.B	Sri Ramakrishna College of arts & Science (Autonomous), Coimbatore	III Bsc Biotechnology	General Studies in Microbial biotechnology
40	Rahul Shyam.S	Sri Ramakrishna College of arts & Science (Autonomous), Coimbatore	III Bsc Biotechnology	General Studies in Microbial biotechnology
41	Janani.D	Sri Ramakrishna College of arts & Science (Autonomous), Coimbatore	III Bsc Biotechnology	General Studies in Microbial biotechnology

42	Archana.N	Sri Ramakrishna College of arts & Science (Autonomous), Coimbatore	III Bsc Biotechnology	General Studies in Microbial biotechnology
43	Meena.G	Sri Ramakrishna College of arts & Science (Autonomous), Coimbatore	III Bsc Biotechnology	General Studies in Microbial biotechnology
44	Reneesh.N.R	Nehru arts&science college Coimbatore	M.Sc food science & nutrition	Fruit processing in Jackfruit,mango and their preservation technique
45	Irshana.P.M	Nehru arts&science college Coimbatore	M.Sc food science & nutrition	Fruit processing in Jackfruit, mango and their preservation technique
46	Anila	Nirmala College for womens	IIInd Msc Botany	General Studies in medicinal plant, environmental chemistry, food and biotechnology, bio instrumentation
47	Sunila.S	Nirmala College for womens	IIInd Msc Botany	General Studies in medicinal plant, environmental chemistry, food and biotechnology, bio instrumentation
48	Reshma.P	Nirmala College for womens	IIInd Msc Botany	General Studies in medicinal plant, environmental chemistry, food and biotechnology, bio instrumentation
49	Sajitha.K.U	Nirmala College for womens	IIInd Msc Botany	General Studies in medicinal plant, environmental chemistry, food and biotechnology, bio instrumentation

50	Anjana.M	Nirmala College for womens	IIInd Msc Botany	General Studies in medicinal plant, environmental chemistry, food and biotechnology, bio instrumentation
51	Sruthi.P	Nirmala College for womens	IIInd Msc Botany	General Studies in medicinal plant, environmental chemistry, food and biotechnology, bio instrumentation
52	Pravya.B	NGM College, Pollachi	M.Sc Chemistry	General studies in environmental chem,istry & Microbial
53	Lakshman Viswanath	NGM College, Pollachi	M.Sc Chemistry	General studies in environmental chem,istry & Microbial
54	Rajalakshmi.R	NGM College, Pollachi	M.Sc Chemistry	General studies in environmental chem,istry & Microbial
55	Neethu.C.R	Sree Narayana Guru College, Chavadi	MSc. Biotechnology	General studies in food technology in biotechnology environmental chemistry, Microbial and Bioinstrumentation
56	Vishnu.S	Sree Narayana Guru College, Chavadi	B.Sc. Biotechnology	General studies in food technology in biotechnology environmental chemistry, Microbial and Bioinstrumentation
57	Vipina.T.V	CUSAT, South Kalamassery	B.Tech Electronics & Communication	Bird & Insect deterrent system
58	Anand M	CUSAT, South Kalamassery	B.Tech Electronics & Communication	Bird & Insect deterrent system

59	Ashuj Prasad	CUSAT, South Kalamassery	B.Tech Electronics & Communication	Bird & Insect deterrent system
60	Nisha.C	Bharathiar University, Maruthamalai, Coimbatore	lind M.Sc Zoology	Diversity of Fresh water zooplanktons found in rural common wells of puduppariyaram panchayath
61	Thresia.P	Rajagiri college of Social Science, Kalamassery	MSW. Community Development	Socio-Economic Assessment oftribal community at mullakkara
62	Akhil Viswambharam	Rajagiri college of Social Science, Kalamassery	MSW. Community Development	Socio-Economic Assessment oftribal community at mullakkara
63	Lekshmi.T.S	Rajagiri college of Social Science, Kalamassery	MSW. Community Development	
64	Athulya.V	Gandhigram Rural Institute, Dindigul	M.Sc.Food science & Nutrition	Fruit processing in Jackfruit,mango and their preservation technique and market survey of different types of food products
65	Anju.M	Gandhigram Rural Institute, Dindigul	M.Sc.Food science & Nutrition	Fruit processing in Jackfruit,mango and their preservation technique and market survey of different types of food products
66	Athulya.T	Sree Narayana Guru College, Chavadi	M.Sc Biochemistry	Internship
67	Aswathi.C	Sree Narayana Guru College, Chavadi	M.Sc Biochemistry	Internship

68	Athira	Sree Narayana Guru College, Chavadi	M.Sc Biochemistry	Internship
69	Vidya.R	Sree Narayana Guru College, Chavadi	M.Sc Biochemistry	Internship
70	Sheenash.S	Sree Narayana Guru College, Chavadi	M.Sc Biochemistry	Internship
71	Nandhini.A	Sree Narayana Guru College, Chavadi	M.Sc Biochemistry	Internship
72	Rajalakshmi.A	Sree Narayana Guru College, Chavadi	M.Sc Biochemistry	Internship
73	Brijesh Thomas	Sree Narayana Guru College, Chavadi	M.Sc Biochemistry	Internship
74	B.Kavin Kumar	Sree Narayana Guru College, Chavadi	M.Sc Biochemistry	Internship
75	Sangeetha.K.V	Don Bosco College, Sulthan Bathery	MSW	DPR on solid waste management of Kongad panchayat
76	Sudhi.P.J	Christ deemed to be university Bangalore	BBA, LLB	Sports Experince in Mundur Grama Panchayath
77	Gayathridevi.M	BAM College, Pathanamthita	MA economics	Well Recharging
78	Athira.C.A	Govt.Engineering College, thrissur	B.Tech Civil Engineering	Rural Technology
79	Haritha.M.B	Govt.Engineering College, thrissur	B.Tech Civil Engineering	Rural Technology
80	Arunima.M.S	Govt.Engineering College, thrissur	B.Tech Civil Engineering	Rural Technology
81	Anju Hariharan	Govt.Engineering College, thrissur	B.Tech Civil Engineering	Rural Technology
82	Anjana Krishna.K.U	Govt.Engineering College, thrissur	B.Tech Civil Engineering	Rural Technology

83	Jithin Gopi.M	Rajiv Gandhi National Institute of youth development	M.A.Local Governance and development	
84	Raphael Jos.C	RGNND, Sriperumbudur, Chennai	M.A.Local Governance and development	
85	Machetti Hima Sailaja	RGNND, Sriperumbudur, Chennai	M.A.Local Governance and development	
86	Jibin Raju	Malayalam University, Vakkad	MA Environmental Studies	NGO Visit
87	Anjali.A	Malayalam University, Vakkad	MA Environmental Studies	NGO Visit
88	Aravind.C.S	XIME, Kochi	PGDM	Biogas Plant
89	Atheena.U.P	S.V.Agricultural College	BSc.Agriculture	Rural Development Project
90	Sahana.H	Mercy College, Palakkad	BSc. Biotechnology	Processes In Microbiology
91	AR Anaswara	Mercy College, Palakkad	BSc. Biotechnology	Processes In Microbiology
92	Ashifa.A	Mercy College, Palakkad	BSc. Biotechnology	Processes In Microbiology
93	Fathima Hana.A	Mercy College, Palakkad	BSc. Biotechnology	Processes In Microbiology
94	Fazeela.A	Mercy College, Palakkad	BSc. Biotechnology	Processes In Microbiology
95	Amal Fahma.A.K	Mercy College, Palakkad	BSc. Biotechnology	Processes In Microbiology
96	Anshiya.H	Mercy College, Palakkad	BSc. Biotechnology	Processes In Microbiology

APPENDIX - 4

INFRASTRUCTURE FACILITIES

Jubilee Campus Land Office campus Residential campus Agricultural land and commercial Plot near NH 213 (Jubilee campus)	Total 4 Ha.
Old Campus	
Building Office Block Civil Engineering block Chemistry and Environmental laboratory Clays and Ceramic laboratory Electronics laboratory Soap production unit Mushroom production unit Mechanical workshop Aquaculture laboratory Library, Seminar hall, Auditorium Apparel Tailoring Centre Green Technology Centre Vermi and Windrow Composting unit Accommodation facility for 100 persons (Staff quarters, Dormitory and Ladies quarters)	Total built in area 4620 m ²
Other facilities Rainwater harvesting tanks (4 Nos)	Total capacity of 4 lakhs liter
Bore well	1 no.

APPENDIX – 5
IRTC GENERAL BODY 2019-20

- | | |
|-------------------------|-------------------------|
| 1. Muraleedharan.A.P | 36. Suma Vishnudas |
| 2. Dr.Shaji.N | 37. Babylatha.O.C |
| 3. Lilly Kartha | 38. Ranjini.P.P |
| 4. Radhan.K | 39. Jaya.M |
| 5. Vinod Kumar.K | 40. Ajila.K |
| 6. Manoj Kumar.V | 41. Rajasree.A.K |
| 7. Shibu Aruvipuram | 42. Dr. Thomas.K.V |
| 8. Santhosh Erath | 43. Aravindakshan.P |
| 9. Stalin.G | 44. Manu.M.S |
| 10. Saji Jacob | 45. Geetha.P.M |
| 11. Ramesh Kumar.P | 46. Sanu.P.S |
| 12. Dr. Sarin S.M | 47. Rajasekharan.G |
| 13. Juna.P.S | 48. Asokan.E |
| 14. Dr. Rajesh.K | 49. Balakrishnan.A.M |
| 15. Prof. Balagopalan.K | 50. Narayanan Kutty.K.S |
| 16. Thankachan.P.A | 51. Premraj.K |
| 17. Sudheer.K.S | 52. Sujith.M |
| 18. Muraleedharan.P | 53. Devasiya.M.K |
| 19. Riswan.C | 54. Satheesh.P.K |
| 20. Brijesh Ponnani | 55. Sunil.C.N |
| 21. Ramesh.B | 56. Pradosh.P |
| 22. Devarajan.T.K | 57. Sathyanarayanan.T |
| 23. Gangadharan.T | 58. Varghese C.I |
| 24. Meerabai.T.K | 59. Somadas.A.N |
| 25. Joji Kootummel | 60. Prameela.S.M |
| 26. Chinju.C | 61. Manu.T |
| 27. Raviprakash.K.P | 62. Chitrajathan.U |
| 28. Joseph.P.V | 63. Venu.B |
| 29. Anil.V.N | 64. Jayakumar.S |
| 30. Aravindan.K.P | |
| 31. Karthiyani.V.T | |
| 32. Harikrishnan.K.G | |
| 33. Gopakumar.P | |
| 34. Vilasini.E | |
| 35. Santhakumari.N | |

APPENDIX – 6
Executive Committee Members 2019-20

Sl.No	Name	Profession	EC Responsibility
1	A. P. Muraleedharan Theeram, Karumalur Ernakulam-681511	State President of KSSP & General Manager (Rtd.) FACT, Aluva	Chairman
2	Dr. S. Sreekumar Avani.Mythri Nagar, Fr.Dismas Road, Irinjalakkuda-680125 Thrissur	Rtd.Professor & Head, Dept. of Geology & Environmental Science, Christ College, Irinjalakkuda	Director
3	K. K. Janardhanan Kizhakkeyil, Neelambari, Elayur P.O, Malappuram-673679	Registrar of IRTC, Sub Regional Employment Officer (Rtd.)	Registrar
4	T. P. Sreesankar Sree Nilayam, Thonnallur, Mevallur, Kottayam-686609	Retd. Clerk, from Revenue Dept., Kottayam, Executive Director PPC	EC Member
5	K.Radhan Kandiyil, Moolad P.O Kozhikkode	General Secretary of KSSP Head Master, GUP school, Palat Kozhikkode	EC Member
6	Prof. P. K. Ravindran Soorya, Njanakkal, Ernakulam-682505	Dy .Director College of Education Govt. of Kerala (Rtd.)	EC Member
7	Santhosh Erath Vasanthavilasam Paravachambalam, Nemam P.O Thiruvananthapuram - 695020	Govt. Employee Civil Supplies Department Kerala	EC Member
8	P. V. Joseph Puthanpalli, Poonthopu, Alappuzha-688006	Secretary of Parishad Production Centre	EC Member

9	Dr. N. K. Sasidharan Pillai, Alummoottil, Kalanjoor, Pathanamthitta - 68964	Deputy Director of Fisheries (Rtd.)	EC Member
10	T. K. Devarajan Neelambari, Azhikkodan Nagar- Housing Colony, Ramatheru, Pallikkunnu, Kannur-67004	Manager (Rtd.) Indian Overseas Bank	EC Member
11	V. G. Gopinathan Niranjana, F.C.I, Bi-lane-4, West Chalakkudy, Thrissur-680307	Laison Officer (Rtd.) Department of Health & Family Welfare, Kerala	EC Member
12.	A. K. Mathew Prakruthi, Thonnallore, Mevallore - 686609, Kottayam	Secretary, Project Implementation Unit	EC Member
13	Dr. N. Shaji 37/1991A, Njattumparambil House, Bhattathiripad Road, Elamkulam, Kochi 682 017	Principal (Rtd), T M Jacob Memorial Govt. College, Manimalakunnu	EC Member
14.	Dr. M. Lalithambika Haritha, Kesavadasapuram Road, Thiruvananthapuram	Senior Project Fellow, IRTC Deputy Director (Retd.) NIIST (CSIR), Thiruvananthapuram	EC member
15.	T. K. Meerabhai Thanal, Mathilakam, Thrissur - 680685	Asst. Educational Officer (Rtd) & Former General Secretary, KSSP	EC Member
16.	Dr. C. George Thomas Chunayammakel, Near Thiruvannikkavu Temple, Ollukkara P.O, Thrissur - 680685	Professor (Rtd) KAU College of Horticulture, Vellanikkara, Thrissur.	EC Member

17	Smt. Suma Vishnudas Nawsim House, Gramath vayal P.O, Kalpetta, P.O, Wayanad	Scientist, MSSRF, Wayanad	EC Member
18	N. Jagajeevan Pulimoottilveedu, Venjaramoodu, Thiruvananthapuram - 695607	Govt. Employee (Rtd), Department of Health Consultant, Suchitwa Mission Kerala, Thiruvananthapuram	EC Member
19.	P. Pradhosh Anakkamparambu, Kunisseri P.O, Palakkad	District Secretary, KSSP, Palakkad & Clerk, Irrigation Dept. Alathur.	EC Member
20.	T. Gangadharan Geethika, Kanool, Kannur-670564	Former President of KSSP & Rtd. Teacher	EC Member
21	Dr. K. V. Thomas A56, Sreenagar, Venchavode, Sreekaryam, Thiruvananthapuram - 695017.	Scientist (Rtd), Centre of Earth Science Studies(CESS), Thiruvananthapuram	EC Member
22	Representative of KSCSTE, Thiruvananthapuram		Ex-officio
23	Representative of DST, New Delhi		Ex-officio

APPENDIX – 7

Internal Complaints Committee	
1	Dr. K. K. Seethalakshmi (Presiding officer)
1	Dr. K. Rajesh (Member)
2	Smt. M. Ramani (Member)
3	Smt. Priyamol .R (Member)
4	Sri. Sajeevan .V (Member)
5	Smt. Vijayam (KSSP, Palakkad) (Member)

APPENDIX – 8

Administrative Wing	
Director	Dr. S. Sreekumar
Registrar	Janardhanan K.K.
Director of Research	Dr. C. George Thomas
Administrative Officer	M. Ramachandran
Accountant	M. Ramani
Cashier	M. Deepika
Office Assistant	K.M. Sushama
Office Assistant	Sajil N.R.
System Administrator	Shinton P. C.
Computer Operator	Vilasini V.
Computer Operator	Rajitha V.
Campus Manager	V.C. Selvaraj
Driver	C.K. Raju

Financial Statement

SOCIETY FOR INTEGRATED RURAL TECHNOLOGY CENTRE
Mundur, Palakkad - 678 592

BALANCE SHEET AS AT 31ST MARCH, 2020

LIABILITIES	SCH.	Amount As On	Amount As On	ASSETS	SCH.	Amount As On	Amount As On
		31.03.2020	31.03.2019			31.03.2020	31.03.2019
Capital Fund	1	44,644,405.22	45,955,557.62	Fixed Assets	4	32,243,166.00	33,693,985.00
Project Fund Balances	2	328,230.40	4,611,863.65	Advances from General Fund	5	6,224,251.62	12,439,662.00
Current Liabilities & Provisions	3	8,246,424.23	9,316,002.29	Current Assets, Loans & Advances	6	14,751,642.23	13,749,776.56
		53,219,059.85	59,883,423.56			53,219,059.85	59,883,423.56

AUDIT REPORT

As per our Report on even date annexed

REGISTRAR

DIRECTOR

For Ranjit Karthikeyan Associates
Chartered Accountants
Firm Regn No: 067058

Calicut
8/5/2020

T. K. Muralidharan M.Com. FCA
Partner (Mem. No: 211385)
UDIN: 20211385AA.AACA.1705

Schedule Forming Part of Balance Sheet as at 31-03-2020

	Amount (Rs.)	Amount (Rs.)
<u>SCHEDULE : 1</u>	31.03.2020	31.03.2019
<u>Capital Fund:</u>		
Opening balance	42,777,313.62	39,134,938.01
Add: Excess of Income over Expenditure	(1,441,152.40)	317,546.12
Add : Amount Transferred from Project Fund	-	3,324,829.50
Less : Amount Apportioned to Contingency Reserve Fund	95,956.00	
Total	41,240,205.22	42,777,313.62
<u>Reserve Fund</u>		
<u>Contingency Reserve Fund:</u>		
Opening balance	3,178,244.00	2,860,243.00
Add: Amount Received during the year	130,000.00	318,001.00
Add: Amount Transferred from Capital Fund	95,956.00	
Total	3,404,200.00	3,178,244.00
	44,644,405.22	45,955,557.62
<u>SCHEDULE : 2</u>		
<u>Project Fund Balances</u>		
Biogasplant - Koyilandy Municipality	-	193,771.00
Biogas Plant - Medical College,Kozhikode	-	607,588.25
Biogas Plant - Payyannur	-	64,182.00
Biogasplant - Kaladi GP	26,780.00	26,780.00
Biogas Plant - Nilamel GP	540.00	540.00
Biogas Plant - Panachikkad GP	(54,089.00)	(54,089.00)
Biogas Plant - Punnappa GP	3,900.00	3,900.00
Chittur -Tattamangalam - DPR Prep (SWM Proj)	-	61,570.00
ILCS - Kanhangad	-	14,696.00
ITDP,Attappady-Training Program (Enhanc. Emplbty)	-	27,761.00
KSCSTE -EMO Preparation II	(266,522.00)	(265,022.00)
Karumkulam Grama Panchyath ,TVM	-	5,265.00
KSCSTE - Mashroom 'bird' Training	-	(22,993.00)

NABARD - SDP (RSO)	-	180,635.00
NABARD - WADI TDF Project Measurers)	782,118.00	1,268,700.00
NABARD - WADI TDF Proj.(Manag.Fund)	(897,160.60)	(580,210.60)
Slaughter House - Kunnamkulam	732,664.00	732,664.00
SWM - Vaniyamkulam	-	236,532.00
Thirur Ponnani Puzha - DPR Preparation	-	(782,072.00)
Sustainability Plan for NHWDP Watersheds (NABARD)	-	505,268.00
WSP - Kadappuram Grama Panchayath	-	81,720.00
WSP - Kozhikode BP	-	884,176.00
WSP - Mangalam GP	-	38,167.00
WSP - Punnayur Gramapanchayath	-	63,765.00
WSP - Thirunavaya GP	-	76,899.00
WSP - Thriprangode GP	-	2,560.00
Kerala State Biodiversity Board ,TVM	-	91,546.00
KILA - Impact Assmt -Capacity Buildg Muni Officials	-	57,414.00
Ranni Pazhavangadi SWM (DPR)	-	126,194.00
SCERT - Comparative Study of Pre Schooling System	-	43,754.00
St. Planning Board - Role of MRS Perform. Analysis	-	205,700.00
Theeramythri Project 2018-19	-	73,537.00
WSP - Karuvarakundu GP	-	497,162.00
WSP - Melattoor GP	-	143,804.00
Total	328,230.40	4,611,863.65

SCHEDULE : 3

Current Liabilities & Provisions

Current Liabilities

CGST Payable 2018-19	-	371,044.52
SGST Payable 2018-19	-	207,814.52
IGST Payable 2018-19	-	34,110.00
CGST Payable 2019-20	1,028,336.65	-
SGST Payable 2019-20	1,028,336.65	-
CGST RCM Payable 2017-18	-	450.00
SGST RCM Payable 2017-18	-	450.00

Kerala Flood Cess 1% 2019-20	(4,313.46)	-
Chemind Chemicals, Palakkad	8,452.00	8,452.00
Co Ordinator, Kerala St. Bio.Board Payable	30,000.00	12,000.00
Co-ordinator, Pottery Cluster Peravur	96,202.00	96,202.00
Co-ordinator Waste Management Project	150,000.00	150,000.00
Creatureway, Aliparambu	17,200.00	17,200.00
Elico Limited	165,000.00	165,000.00
Energy Efficient Klin (DST) Payable	20,969.00	20,969.00
Honorarium Payable - Prof V.R.Raghunandanan	-	144,000.00
Honorarium Payable - K.K.Janardhanan	40,000.00	-
ESIC Deducted and Payable	14,295.00	16,608.00
IRTC Project Imple Unit Payable (R & D Activities)	407,552.00	749,287.00
IRTC Project Implementation Unit Advance	533,699.00	-
IRTC - Proj Imple.Unit -Advance HSS	465,000.00	-
IRTC Staff Welfare Society	227,208.00	141,260.00
KSBCDC Pottery Training -Decoup. Unit Payable	48,000.00	-
NABARD Integr.Tribal Dev.Programe(ITDP)	(476,131.00)	2,502.00
Ottotractions Payable	36,000.00	-
Staff welfare fund	217.39	217.25
PPC Waste Management Unit	3,208,421.00	3,411,821.00
Project Investigator, DBT Payable	5,470.00	83,000.00
Pudur Kurumba Society	23,875.00	23,875.00
Salary/Honora. Payable - B.M.Musthafa	53,390.00	53,390.00
TDS Deducted & Payable 2018-19	-	3,729.00
TDS Deducted & Payable 2019-20	54,491.00	-
Village Extn Officer, Pothencode GP	20,650.00	20,650.00
Powermech Diesel Generator	10,000.00	10,000.00
Data Collect.Entry Payable - Krishna.S.Nair	33,722.00	33,722.00
FGD Payable - Krishna.G.Nair	49,249.00	85,249.00
Digital Studio Work - Friends of KSSP	-	100,000.00
Digital Studio Work - KSSP Kannur	-	100,000.00
Senthil Kumar Payable (Printing Charges)	4,000.00	4,000.00
St.Mary's DTP and Photostat Centre Payable	150,000.00	150,000.00
Grant in Aid DST - Bio-Tech Kissan	263,142.00	2,999,000.00

Suchithran . P Payable (Impact Analysis)	100,000.00	100,000.00
WSP - Pothukal Grama Pachayath (GIS)	5,587.00	-
WSP - Thanalur Grama Panchayath	417,681.00	-
UNICEF - Tribal Project	10,723.00	-
Total	8,246,424.23	9,316,002.29
SCHEDULE : 5		
Advance from General Fund		
Biogas Plant - Manjeri Municipality	-	(67,986.00)
Biogas Plant - Alappuzha Municipality (Suchitwa)	574,125.00	574,125.00
Biogas Plant - Alappuzha Municipality II	588,877.00	588,877.00
Biogas Plant - Areacode GP	108,000.00	108,000.00
Biogasplant - Chengamanad GP	50,400.00	50,400.00
Biogasplant - Elayavoor GP	8,530.00	8,530.00
Biogasplant - Kannadi GP	67,500.00	67,500.00
Biogas Plant - Airport, Karipur	110,700.00	-
Biogasplant - Keezhuparambu GP	121,500.00	175,500.00
Biogasplant - Kollam Corporation- II	566,780.00	716,180.00
Biogasplant - Kollayil GP	(2,500.00)	(2,500.00)
Biogas Plant - Koratty GP	61,000.00	61,000.00
Biogas Plant - Kozhikode Corporation	47,600.00	47,600.00
Biogasplant - Kundara GP ,Kollam	66,000.00	66,000.00
Biogas Plant - Kunnathukal GP	12,240.00	12,240.00
Biogasplant - Lakkidi Perur (Jalanidhi)	64,181.00	64,181.00
Biogasplant - Perinad GP	149,500.00	149,500.00
Biogasplant - Pookkottukavvu GP	126,000.00	126,000.00
Biogasplant - Puthuppally GP	36,000.00	36,000.00
Biogasplant - Social Justice, TVM	-	(108,504.00)
Biogasplant - Thodiyoor GP	83,225.00	83,225.00
Biogasplant - Velloore GP	29,700.00	29,700.00
Chittur Municipality -DPR Preparation (SWM Proj)	1,735.00	1,735.00
DST - SORF (DISHA)-Uma J vinod	59,041.00	59,041.00
FFDA ,Malampuzha	-	37,622.00
Green Climate Fund(GCF)-Palakkad Gap of Wes.Ghats	5,162.00	5,162.00

Haritha Sahaya Sthapanam	-	106,504.00
KSCSTE Core Support 2017-18	-	2,342,082.00
KSCSTE - National Science Day 2018	22,750.00	22,750.00
KSCSTE - National Science Day 2019	13,098.00	13,098.00
KSCSTE - World Wet Land Day 2019	22,125.00	22,125.00
KSCSTE - National Science Day 2020	15,732.00	-
KSCSTE- National Technology Day 2019	20,000.00	-
KSCSTE - Ozone Day 2019	12,000.00	-
KSCSTE - Environment Day 2019	12,000.00	-
KSEB, Mundur Addl.Cash Deposit (ACD)	84,500.00	84,500.00
KSEB, Mundur - Security Deposit(New)	23,550.00	23,550.00
Managing Director, KSBCDC	314,000.02	-
KSSP - Flood Relief Prjct	(545,112.46)	-
NABARD - KFW Proj Anchammile	(94,943.00)	-
NABARD - KFW Proj Chazhiyattiri	(112,911.00)	-
NABARD - KFW Proj Konnakkalkadavu	(100,351.00)	-
NABARD - KFW Proj Nadupathy Muttuchira	(105,553.00)	-
NABARD - KFW Proj Nagalassery	(114,126.00)	-
NABARD - KFW Proj Pazhaniyarpalayam	(115,345.00)	-
NABARD - KFW Proj Poothanakkayam	(84,822.00)	-
NABARD - KFW Proj Pullundassery	(111,678.00)	-
Palakkuzhy Small Hydel Project	34,539.00	34,539.00
Pipe Compost - Kasaragod Municipality	143,280.00	143,280.00
Pipe Compost - Koottilangadi GP	217,500.00	217,500.00
Pipe Compost - Pirayiri Panchayath	95,400.00	95,400.00
SAF -Training for Facilitators 3 R Package Project	85,593.00	-
Secretary, Attappady Co Op.Farm Society, Vattalakki	214,169.06	-
Secretary, Athirampuzha Grama Panchayath HSS	164,500.00	-
Secretary, Kunnankulam Municipality(HSS)	8,476.00	-
Secretary, Kunnummal Grama Panchayath(HSS)	196,820.00	-
Secretary, Kuttiadi Grama Panchayath(HSS)	179,140.00	-
Secretary, Meenachil Grama Panchayath(HSS)	100,000.00	-

SWM - Kunnamkulam	2,225,697.00	2,225,697.00
Shornur Municipality - DPR Preparation (SWM Proj)	-	(186,029.00)
Apparel Training and Design Centre	-	26,949.00
DRDA, Rohtas, Bihar	-	513,128.00
Dt. Mission Co Ordinator, Kudumbasree, Palakkad	7,375.00	7,375.00
National Institute of Agri.Extension Management	11,912.00	94,347.00
Secretary, Kavassery Grama Panchayath	1,770.00	1,770.00
Thaluk Head Quarts Hospital, Ottappalam	3,332.00	7,906.00
The Dep.Gen.Manger ,Airport Authority of India	34,303.00	218,051.00
The Director, KILA	-	2,337,091.00
The Principal, Govt .Medical College, Kozhikode	89,195.00	766,705.00
The Principal, Rajagiri College of Scocial Sciences	25,000.00	-
The Spl Gr Principal,Maharajas College,EKM	74,970.00	-
The Secretary, Palakkad Small Hydro Co	221,071.00	432,216.00
Total	6,224,251.62	12,439,662.00
SCHEDULE : 6		
<u>Current Assets, Loans and Advances</u>		
Cash and Bank Balances		
Cash in Hand	104,585.00	58,125.00
SBI A/c No:10590557836	168,214.20	208,991.95
SBT A/c.No:57028786873	47,620.67	1,659,827.87
SBT A/c.No:67324608083	5,705.00	5,515.00
SBT A/c.No:67324608107	6,792.20	6,566.20
PNB A/c. No. 4318000100074822	95,068.45	83,621.55
PNB A/c. No. 4318000100050549	302,078.62	146,807.58
PNB A/c. No. 4318000100051557(DDWS)	4,423.69	4,271.19
PNB A/c. No. 4318000100082177(Contingency Reserve Fund)	438,269.20	444,619.80
PNB A/c No:4318000100057223(RSO NABARD)	93,135.90	239,883.00

PNB A/c No:4318000100085110 (Social Justice Dept)	3,063.28	38,036.14
PNB FD A/c No: 4318000R00000908	-	500,000.00
PNB FD A/c No: 4318000R00000917	-	500,000.00
PNB FD A/c No: 4318000R00000926	500,000.00	500,000.00
Treasury Savings Bank A/c No:5607	22,869.00	58,269.00
Canara Bank A/c No: 077310104773	202,917.00	1,284,999.00
Canara Bank A/c No: 0773101015124(ITDP)	119,869.00	2,502.00
PNB A/c No :4318000100090103 (HSS)	3,275,651.45	33,111.00
SBI A/c No:38318582589 (Bio Kissan)	262,935.53	2,999,000.00
PNB A/c : 4318000100091069 (KfW Project)	456,243.83	-
PNB FD A/c No:431800PU00003420	230,000.00	-
Treasury Savings :799010100158257 (HSS)	826.00	-
Total A	6,340,268.02	8,774,146.28
WIP PROJECTS		
WIP Clean Chaliyar Project - Nilambur Block Panchayath	368,072.00	361,628.00
WIP DBT - Foldscope Scheme	-	46,462.00
WIP KILA -Impact Assmt - CFLG	-	31,129.00
WIP KSCSTE Plan Grant in Aid 18-19	3,250,521.28	3,250,521.28
WIP KSCSTE Research Methodology	23,376.00	23,376.00
WIP KSCSTE Value Added Products Jack/ mango	130,130.00	18,802.00
WIP Nabard - Chaliyar & Urangattiri (DPR)	111,014.00	87,014.00
WIP- Holistic Watershed Dvp Plan Kila Thalparamba	31,600.00	-
WIP- Kerala Bio Diversity Board TVM	47,690.00	-
WIP- NABARD KFW DPR Preparation	208,784.00	-
WIP- NABARD-SDP- RSO	61,595.00	-
WIP - UNICEF Eureka Project	47,547.00	-
WIP - UNICEF - High.Sec. Edu.	195,016.00	-
WIP FFDA Malampuzha	298,522.00	-
WIP Karumkulam Grama Panchayath Tvm	76,014.00	-
WIP Climate Warriors Training in Climate Change	87,531.00	-
WIP- NABARD TDF Chaliyar & Urangattiri ITDP	63,580.00	-

WIP-Theeramythri Project 2019-20	28,145.00	
WIP SCERT Comp Study of Pre Schg System	40,011.00	-
WIP St. Plg Board Role MRS Perform	390,201.00	-
WIP UNDP Chinnakanal GP (Waste Mgt)	66,894.00	-
Total B	5,526,243.28	3,818,932.28
<u>Advances</u>		
Advance - Bindhu T.C	4,000.00	-
Advance - Kila Co ordinator	(123,373.73)	
Advance - Jinesh Balakrishnan,Karu Kundu Rent Adv	5,000.00	-
Advance - Kalyani Amma	20,000.00	-
Advance - Raju. C.K	4,000.00	-
Advance - Ramachandran. M	50,000.00	-
Advance - Rugmini.A.P (Mess)	7,000.00	-
Advance - Rugmini (Labour)	10,000.00	-
Advance - Sabu.PS	15,000.00	-
Advance - Sarojini	7,000.00	-
Advance - Sudha .PS	2,000.00	-
Advance - Sundari	10,000.00	-
Advance - Sunitha.P.L	2,000.00	-
Advance - Swathi M	4,000.00	-
Advance - Yasodha	15,000.00	-
Advance (HSS) - Arun Krishnan	73,000.00	-
Advance (HSS) - Jaisomanathan	10,000.00	-
Advance (HSS) - Jayakumar	5,000.00	-
Advance (HSS) - Subhash	34,500.00	-
Hariharan Beena Pappachan	4,000.00	-
IRTC - E Vallate Account (IRCTC)	10,200.00	-
Co Ordinator, Nabard Wadi Project	-	50,000.00
CPIM, Mundur Area Committee	7,000.00	-
Deependra .S	-	20,000.00
Director, SCERT, Trivandrum	1,230.70	-
Divisional Railway Manager (Works) Palakkad	36.82	-
Mohammed Ashraf(Rent Adv Thirur Ponnani)	-	14,000.00
Muralidas. A	2,000.00	2,000.00
IRTC Project Implementation Unit	243,576.00	6,297.00

Muttuchira Neerthada Vikasana Samithi	34,000.00	-
Nabard Office WATI Project Aleyamma KC Room Rent Adv.	15,000.00	30,000.00
Noorudheen (Room Rent Kadappuram)	-	15,000.00
P.M.A. Jaleel, Ottappalam Municipality	-	-
Rangaswamy	13,100.00	12,500.00
Rejish.R (Mural Work)	-	350,000.00
Secretary Anchammile VWC-Soil Testing	245,100.00	-
Secretary Chazhiyattiri VWC -Soil Testing	159,960.00	-
Secretary Nagalasserry VWC -Soil Testing	172,860.00	-
Secretary Pullundasserry VWC -Soil Testing	258,000.00	-
T.F.Francis (ILCS Project)	100,000.00	100,000.00
BSNL, Palakkad	36,000.00	18,000.00
Sheeja. P.V	10,000.00	10,000.00
Sheeja V .K	10,000.00	10,000.00
Shinton	-	14,250.00
Sindhu Manoj(Room Rent,WSP Trigode)	-	5,000.00
Sreesankar(Harithakeralam Mission)	-	10,000.00
KSSP General	6,990.00	6,990.00
KSSP - Eureka	14,250.00	-
RK Associates	-	3,944.00
RATTC - Malampuzha	(4,800.00)	(4,800.00)
Kudumbasree - Palakkad	19,300.00	19,300.00
Melattoor Room Rent Advance	-	5,000.00
Muthalamoorkan Kadavu Boating - Vellinzh GP	-	(25,000.00)
Nirmithi Kendram TVM - Training On Biogas Unit II	-	(180,000.00)
Parishad Production Centre	(41,606.00)	(157,354.00)
C.P.Sasindran,Co-Ordinator, Watershed Project	20,000.00	20,000.00
Staff Insurance(LIC) - Jeevan Tharang	-	81,924.00
Thalasseri Municipality - DPR Preparation (SWM Project)	-	(134,028.00)
TDS FY 2015-16	226,788.00	226,788.00
TDS FY 2017-18	259,953.00	259,953.00
TDS Input 2018 - 19	355,807.00	355,807.00

TDS Input 2019 - 20	494,387.00	-
CGST TDS 2018-19	-	5,563.50
SGST TDS 2018-19	-	5,563.50
CGST TDS 2019 - 20	28,936.07	-
SGST TDS 2019 - 20	28,936.07	-
Total C	2,885,130.93	1,156,698.00
Total (A + B +C)	14,751,642.23	13,749,776.56

SOCIETY FOR INTEGRATED RURAL TECHNOLOGY CENTRE

Mundur, Palakkad - 678 592

INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2020

EXPENDITURE	SCH.	AMOUNT		INCOME	SCH.	AMOUNT	
		31.03.2020	31.03.2019			31.03.2020	31.03.2019
To Administrative Overheads	17	8,519,261.49	6,244,582.33	General & Administrative Income	7	3,198,588.80	1,437,232.81
To Agricultural Expenses	18	266,955.00	29,637.00	By Agriculture Income	8	157,808.00	187,710.00
To Fisheries Expenses	19	393,487.00	54,959.00	By Fisheries Income	9	198,479.00	21,995.00
To Mushroom Expenses	20	680,196.00	390,641.00	By Mushroom Income	10	542,725.00	514,844.00
To Pottery Expenses	21	152,200.00	20,825.00	By Pottery Income	11	64,700.00	45,275.00
To SWM IRTC Expenses	22	193,550.00	-	By SWM IRTC Income	12	43,325.00	29,020.00
To Purchase of Biogas Plant	23	-	485,714.18	By Sale of Biogas Plant	13	-	485,714.18
To Project Expenditure	24	15,030,054.00	9,105,449.00	By Project Income	14	19,140,710.00	9,305,170.00
To Training Expenditure	25	3,290,502.00	3,315,153.00	By Training Income	15	5,206,780.00	8,307,550.00
To Annual Maintenance & Contingency Charges	26	10,264,964.55	2,095,311.04	Annual Maintenance & Contingency	16	12,687,796.49	3,457,546.00
To Grant In Aid Expenditure	4	4,812,192.00	8,392,399.00	By Grant in Aid Received		2,462,000.00	8,333,000.00
To Depreciation		1,540,702.65	1,672,840.32				
To Excess of Income over Expenditure		(1,441,152.40)	317,546.12				
		43,702,912.29	32,125,056.99			43,702,912.29	32,125,056.99

AUDIT REPORT

As per our Report on even date annexed.

REGISTRAR

DIRECTOR

For Ranjit Karthikeyan Associates:
Chartered Accountants
Firm Regn No: 067055

Cheque
8/5/2020

T. K. Muralidharan M.Com, FCA
Partner (Mem No 211385)
UDIN: 20211385AAAA CA1705

SOCIETY FOR INTEGRATED RURAL TECHNOLOGY CENTRE
Mundur, Palakkad - 678 592
Schedule Forming Part of Income & Expenditure Account for the year ended
31-03-2020

Particulars	Amount as at	
	31.03.2020	31.03.2019
<u>SCHEDULE- 7</u>		
<u>General & Administrative Income</u>		
Accommodation Charges Received	110,219.00	34,204.00
ANERT - Akshaya Urja Award 2018	100,000.00	-
Bank charges	-	83.78
Consumables	-	339.00
Donation - Friends of KSSP	100,000.00	-
Donation - KSSP Kannur	100,000.00	-
Donation - KSSP State Committee	359,135.00	-
Exhibition expense reimbursement	-	6,779.00
Faculty Charges Received	4,110.00	2,966.00
Chemical Charges	4,738.00	13,174.00
CSR Fund Received	50,000.00	-
General Income - KSCSTE	26,412.00	-
Institutional Fee	450,014.00	578,264.03
Interest Received	188,617.80	110,019.00
Interest on Income Tax Refund	-	76,175.00
Office Stationary	-	22,000.00
Printing & Xerox Received	1,608.00	1,128.00
Rent (BSNL)	45,768.00	45,768.00
Chemical Lab	8,787.00	-
Scrap Sales	5,803.00	10,981.00
CE Lab	544,268.00	496,381.00
Testing Fee -CE Lab (Soil Analysis)	821,697.00	-
EE Lab	15,500.00	23,200.00
Training Fee - Fisheries	13,818.00	-
Training fee GIS	208,259.00	11,441.00
Training fee - jackfruit	-	3,390.00
Training Fee -Rain Water	38,998.00	-
Travel & Conveyance- Resource Person	-	110.00
Transportation charge	-	508.00

Vehicle Hire Charges Received	837.00	-
Xerox & printing charges	-	322.00
	3,198,588.80	1,437,232.81
<u>SCHEDULE- 8</u>		
<u>Agricultural Income</u>		
Nursery Plants	-	6,530.00
Medicinal Plant Unit - Azolla	45,485.00	-
Medicinal & nursery plants	1,335.00	1,290.00
Rubber Sheet	95,190.00	95,714.00
Vegetables	9,598.00	40,800.00
Consumables	5,800.00	43,236.00
Hanginh pot with plants	400.00	140.00
	157,808.00	187,710.00
<u>SCHEDULE- 9</u>		
<u>Fisheries Income</u>		
Azola	-	5,630.00
Fish feed and Accessories	131,565.00	16,365.00
Training Fee - Fisheries	66,914.00	-
	198,479.00	21,995.00
<u>SCHEDULE- 10</u>		
<u>Mushroom Income</u>		
Mushroom	531,805.00	478,410.00
Training - Mushroom	10,920.00	36,434.00
	542,725.00	514,844.00
<u>SCHEDULE- 11</u>		
<u>Pottery Income</u>		
Micro Wavable Pot	1,000.00	-
Ornaments	32,740.00	45,275.00
Pots - Raw	1,680.00	-
Clay Pebbles	20,000.00	-
Clay - Pugged	1,550.00	-
Washed Clay	7,730.00	-
	64,700.00	45,275.00

SCHEDULE- 12		
<u>SWM IRTC Income</u>		
Compost Sales	33,275.00	16,120.00
Compost - Earthworm	10,050.00	11,650.00
Pots - Vermi (Earth worm)	-	500.00
Trainig income	-	750.00
	43,325.00	29,020.00
SCHEDULE- 13		
<u>Project Income</u>		
Alanallur GP-Vellachattapara Small Hydro Proj Income	-	21,186.00
ANERT -Essay Competition Income	-	55,932.00
ANERT - Designing of Stirrer for Biogas Plant Incom	12,000.00	-
Brahmagiri Develop Society Waynad - Income	250,000.00	-
Biogas plant Payyannur	64,182.00	
Biogas plant Koyilandy	193,771.00	
ILCS Kanhangad Income	14,696.00	
SWM Vaniamkulam Income	236,532.00	
Sustainability Plan for NHWDP Water-sheds (NABARD) Income	505,268.00	
Clean Chaliyar Project - Nilambur BP Income	-	301,530.00
DBT - Foldscope Scheme Income	203,851.00	615,696.00
DST - Bio-Tech Kissan Income	2,818,962.00	-
DST-Vigyan Prasar Climate Change & GW Income	-	119,000.00
DST - Vigyan Prasar Sustainable Develop-ment Income	-	238,000.00
DPR-Preparation Chittur Thathamangalam	61,570.00	
DPR Preparation Charges-Vattalakki	179,974.00	-
Elephant Instrusion Detection System Income	-	15,897.00
FFDA Malampuzha Income	211,255.00	-
ITDP,Attappady-Training Program Income	98,561.00	637,049.00

Kerala State Biodiversity Board ,TVM Income	91,546.00	98,534.00
Kailasanadha Trust - DPR Preparation - Income	42,016.00	-
KILA - Impact Assmt -CBPMO Income	876,604.00	195,696.00
KILA -Impact Assmt - CFLG Income	1,326,151.00	409,649.00
KSCSTE - National Science Day 2017 Income	-	25,000.00
KSCSTE - Research Methadology Income	-	20,000.00
KSCSTE- Tech in Transformg Women's Lives Income	-	30,000.00
KSCSTE WORLD ENVIRONMENT DAY Income	-	15,000.00
KSCSTE - World Wetland Day 2018 Income	-	25,000.00
Muthalamoorkkan Kadavu Boating-Vellinezhi GP Income	25,000.00	-
Nabard - Chaliyar & Urangattiri (DPR) Income	-	30,000.00
NABARD Exhibition - Trivandrum Income	7,530.00	-
NABARD POPI PROJECT Income	-	180,815.00
NABARD - KFW Proj (Anchammile) Income	46,493.00	-
NABARD - KFW Proj (Chazhiyattiri) Income	37,825.00	-
Nabard - KFW Project (DPR Preparation) Income	923,640.00	-
NABARD - KFW Proj (Konnakkalkadavu) Income	50,185.00	-
NABARD - KFW Proj (Nadupathy Mut-tuchira) Income	39,683.00	-
NABARD - KFW Proj (Nagalassery) Income	36,710.00	-
NABARD - KFW Proj (Pazhaniyarpalayam) Income	28,991.00	-
NABARD - KFW Proj (Poothanakkayam) Income	66,014.00	-
NABARD - KFW Proj (Pullundassery) Income	39,359.00	-
NABARD - SDP (RSO) Income	227,635.00	242,999.00

NABARD - WADI TDF Project Measurers Income	526,514.00	-
Prepn.of Environmen. Audit Report-Rajagiri College	21,008.00	-
Prepn. of Green Audit Report-Maharajas College, EKM	63,000.00	-
Prepn. of Green Audit Report - Rajagiri College	250,000.00	-
Ranni Pazhavangadi SWM (DPR) Income	126,194.00	9,506.00
SCERT - Comp Study of Pre Schg System Income	43,754.00	116,246.00
Social Justice Dept -Anganwadi Teachers Train Income	-	1,821,841.00
St. Plg Board - Role MRS Perforom Nalysis Income	205,700.00	185,900.00
Sustainability Plan for NHWDP WSP (NABARD) Income	-	3,010.00
Swm Training Program Receipt	-	345,500.00
Thalasseri Municipality - DPR (SWM Proj Income	351,344.00	21,410.00
Terracotta Sculpture Work at Railway Div Office	799,108.00	-
Theeramythri Project - 2017-2018 Income	-	512,073.00
Theeramythri Project 2018-19 Income	582,011.00	1,451,885.00
Theeramythri Project 2019 - 20 Income	672,270.00	-
Theeramythri Project - SAF 3 R Package Income	296,135.00	-
Thirur Ponnani Puzha - DPR Preparation Income	815,572.00	-
UNICEF - Eureka Project Income	473,350.00	-
UNICEF - High.Sec.Educ.Income	192,150.00	-
UNICEF - Tribal Project Income	2,089,227.00	-
General Income UNICEF	139,855.00	-
WSP - Kadappuram GP Income	66,720.00	-
WSP - Karuvarakundu GP Income	900,562.00	2,838.00
WSP - Kozhikode BP Income	884,176.00	165,824.00
WSP -Mangalam GP Income	33,167.00	-
WSP - Melattoor GP Income	436,904.00	196,096.00

WSP - Pothukal Grama Panchayth (GIS) Income	94,413.00	-
WSP - Punnayur Gramapanchayath Income	63,765.00	549,661.00
WSP - Thanalur Grama Panchayath Income	32,319.00	-
WSP - Thirunavaya GP Income	76,899.00	444,101.00
WSP -Thrippangode GP Income	2,560.00	-
KSCSTE - Value Added Products Jackfruit/ Mango Income	-	198,802.00
Shornur Municipality - DPR (SWM Proj) Income	186,029.00	3,494.00
	19,140,710.00	9,305,170.00
<u>SCHEDULE- 14</u>		
<u>Training Income</u>		
Training Receipts - ANERT	20,955.00	-
Training Receipts - BRC (JAWLA)	-	26,450.00
Training Receipts - BRC Parali	15,025.00	-
Training Receipts - Capacity Building Program	-	7,000.00
Training Receipts - Coffee Board	-	4,915.00
Training Receipt - CPI (M) , Mundur	5,883.00	-
Training Receipts - Crescent HSS	18,850.00	-
Training Receipts - CREST	-	295,700.00
Training Receipts - CUTEC, Koduvayur	41,400.00	9,322.00
Training Receipts - DBT	-	5,000.00
Training Receipts - DIET	-	13,204.00
Training Receipts - DNEU,Palakkad	18,500.00	-
Training Receipts - Fellowship Artists	-	611,809.00
Training Receipts - GEC,Barton Hill, Tvm	73,040.00	-
Training Receipts - GHSS Vettathur	-	6,250.00
Training Receipts - Gifted Children Program	-	3,390.00
Training Receipts - Govt.Engg College Kannur	25,450.00	-
Training Receipts - Kerala University, TVM	6,251.00	-
Training Receipts - KFRI, Peechi	56,250.00	-

Training Receipts - KILA	3,494,169.00	692,559.00
Training Receipts - KILA (Ardrum Mission)	-	4,631,536.00
Training Receipts EDP - KSBCDC	520,339.00	-
Training Receipts - KILA (Haritha Kerala Mission)	224,122.00	-
Training Receipts - KSCSTE	-	63,502.00
Training Receipts - KSGIEU	-	22,500.00
Training Receipts - Kudumbasree	37,500.00	58,000.00
Training Receipts - Leadership Training	-	16,000.00
Training Receipt - Malabar Poytechnic, Kottakkal	14,200.00	-
Training Receipts - MANAGE, Hyderabad	-	133,345.00
Training Receipts - Markaz College Athavanad	4,750.00	-
Training Receipts - Mushroom Cultivation(ATMA)	-	3,898.00
Training Receipts - NABARD	42,008.00	-
Nirmithi Kendra Tvm - Training on Biogas Unit Incom	180,000.00	-
Training Receipts - Providence College, Kozhikkode	3,500.00	-
Training Receipts - RMSA	-	117,375.00
Training Receipts - Rohtas, Bihar	164,874.00	754,600.00
Training Receipts - SAF	64,427.00	-
Training Receipts - Samagra Siksha Kerala	41,597.00	-
Training Receipts - SCERT	123,030.00	36,000.00
Training Receipts - SIET	-	252,330.00
Training Receipts - SSUS, Payyannur	7,300.00	-
Training Receipts - TDF (NABARD)	-	19,465.00
Training Receipts - Theeramythri (Capacity Buildg)	-	97,900.00
Training Receipts - Theeramythri Proj(Perfo Improv)	-	425,500.00
Training Receipts - VWC, Anchammile	3,360.00	
	5,206,780.00	8,307,550.00

<u>SCHEDULE- 15</u>		
<u>Annual Maintenance & Consultancy income</u>		
Annual Mainte.Charges-Biogasplants at Med.Colle.Kkd	-	1,425,000.00
Annual Mainte. Charges-Biome.Plant&STP Airport Kkd	-	245,000.00
Biogas Plant - Airport, Karipur	-	47,249.00
Biogas Plant Manjeri Municipality Income	67,986.00	
Biogas Plant Social Justice TVM Income	108,504.00	
Biogas Plant - Medical College,Kozhikode	607,588.25	310,000.00
Consultancy Charges-Haritha Sahaya Sthapanam (SWM)	10,914,634.00	28,360.00
Consultancy Charges -Palakkuzhy Small Hydel Project	752,563.00	923,511.00
Hall Rent - IRTC Project Implementation Unit	12,000.00	12,000.00
Hall Rent - SMART, ATDC, TVM	224,521.24	299,376.00
Holistic Watershed Devp Plan- KILA Thali-parambu	-	100,050.00
Instal. Port.Biogas Plants & Training Pondicherry	-	67,000.00
	12,687,796.49	3,457,546.00
<u>SCHEDULE- 16</u>		
<u>Grant In Aid Received</u>		
KSCSTE - Environment Day 2019 Income	12,000.00	-
KSCSTE - Mushroom BIRD Training Income	18,000.00	-
KSCSTE - National Technology Day 2019 Income	20,000.00	-
KSCSTE- NON PLAN 2018-19 Expense	-	5,000,000.00
KSCSTE - Ozone Day 2019 Income	12,000.00	-
KSCSTE - Plan Grant-in-Aid 2018-19 Expense	-	833,000.00
KSCSTE - Plan Grant-in-Aid 2019 - 20 Income	2,400,000.00	-
KSCSTE - Cen .Exce.in Waste Mangmt Income	-	2,500,000.00
	2,462,000.00	8,333,000.00

SCHEDULE- 17		
<u>Administrative Overheads</u>		
Advocate / notary fee	-	5,000.00
Annual Mainte.Contract Fee	43,600.00	-
Appeal filing fee	-	1,500.00
Audit Fee	75,000.00	75,000.00
Consultancy Charged paid	20,000.00	-
Bank Charges	4,862.55	7,369.68
Banner Writting Charges	4,307.00	4,363.00
Computer Rent	-	15,000.00
Consultancy Charges	71,000.00	55,500.00
Consumables	177,229.00	76,243.00
Consumables - CE Lab	111,364.00	-
Communication Expenses	8,056.00	6,422.00
Donation	1,000.00	15,000.00
Electricity Charges	615,617.00	461,029.00
Exhibition Expenses	7,585.00	-
ESI - Defaulting Amount	57,518.00	-
ESI - Interest/Penalty Paid	1,089.00	-
ESI Employers contribution	129,465.00	149,317.00
Festival Allowances	279,000.00	277,500.00
Food expense	167,486.00	300,641.00
Generator POL	119,671.00	23,984.00
Gratuity paid	-	114,750.00
Honorarium	3,714,380.00	1,317,051.00
Group Insurance Paid (Employers Contribution)	163,636.00	-
Infrastructure Work	87,092.00	-
Inspection Fee - Elec.Inspectorate	5,828.00	-
Interest CGST 2017-18	-	49,185.00
Interest IGS 2017-18	-	3,884.00
Interest SGST 2017-18	-	49,185.00
Institutional Overhead	61,465.00	391,487.00
GST Arrears	-	29,493.00
Interest on TDS	-	50.00
Interest Paid	4.00	-

ITC Ineligible	6,682.74	-
Land Survey Expenses(Topographic)	15,000.00	-
Layout & design	-	6,000.00
Library & Periodicals	28,892.00	20,843.00
Maintenance of Campus - Materials	69,697.00	-
Marriage Contribution	5,000.00	-
Medical Expenses	30,350.00	4,361.00
Motor Vehicle - Insurance	30,083.00	27,262.00
Motor Vehicle - POL	38,994.00	13,776.00
Motor vehicle -repair & mainte KL9/ AD3352	99,093.00	150,230.00
Motor vehicle -repair & mainte KL9/M6319	43,798.00	132,031.00
Office Stationery	13,041.00	-
Postage & Courier	11,088.00	15,238.00
Pension Contribution P.K Narayanan	-	272,160.00
Registration charges KL9M 6319	150.00	16,030.00
Registration Fee & resource Materials	500.00	1,800.00
Renewal Fee	16,125.00	2,898.00
Renewal sun direct Fee	2,470.00	3,269.00
Rent, Rates & Taxes (Building)	60,939.00	138,563.00
Rent & Hire Charges	5,400.00	28,000.00
Rent, Rates & Taxes	314.00	3,703.00
Repair & Maintenance	127,044.00	28,119.00
Repair & Maintenance Generator set	12,057.00	8,844.00
Return filing	4,500.00	6,500.00
Round Off	-	(796.25)
Refreshment	8,337.00	-
Maintenance of Campus	-	39,690.00
Salaries & Allowances	356,974.00	-
Security Service Charges	9,500.00	4,272.00
Server Rent	21,712.00	-
Ser tax -penalty 2016-17(return filing)	-	500.00
ST arrears 2014-15 & 15-16 predeposit	-	119,861.00
ST arrears 2014-15 with interest	-	276,190.00
ST arrears 2015-16 with interest	-	453,572.00
ST arrears 2016-17 with interest	-	259,117.00

ST arrears 2017-18 with interest	-	75,823.00
SVLDR Scheme - Final Settlement of Ser. Tax Arrears	769,821.20	-
Telephone Charges	71,690.00	61,121.40
Testing Fee - CE Lab	297.00	-
Training fee - jackfruit	-	500.00
Training Expenses	78,500.00	-
Transportation Charges	17,450.00	-
Travel & Conveyance	162,123.00	126,901.18
Tender Charges	-	1,000.00
Vehicle Hire Charges	17,165.00	-
Wages	161,220.00	97,655.00
Water Charges	185,000.00	60,000.00
Xerox & Printing Charges	112,000.00	26,431.00
CGST Input Not Eligible	-	157,132.16
SGST Input Not Eligible	-	157,132.16
IGST Input Not Eligible	-	19,900.00
	8,519,261.49	6,244,582.33
<u>SCHEDULE- 18</u>		
<u>Agricultural Expenses</u>		
Consumables	6,048.00	2,757.00
Honorarium	250,837.00	14,400.00
Repairs and Maintenance	170.00	1,180.00
Wages	9,900.00	7,970.00
Nursery plants/seeds	-	3,330.00
	266,955.00	29,637.00
<u>SCHEDULE- 19</u>		
<u>Fisheries Expenses</u>		
Banner Writting Charges	3,528.00	-
Consumables	53,588.00	1,922.00
Equipments	5,900.00	-
Honorarium	259,483.00	47,547.00
Honorarium & TA Facility	28,000.00	3,000.00
Repair & Maintenance	900.00	-
Training Expenses - Aquaponics	14,600.00	-

Travel & field expense	6,038.00	2,490.00
Wages	19,950.00	-
Xerox & Printing Charges	1,500.00	-
	393,487.00	54,959.00
<u>SCHEDULE- 20</u>		
<u>Mushroom Expenses</u>		
Consumables & Wages	176,306.00	390,641.00
Honorarium	499,024.00	-
Training Expenses	2,885.00	-
Travel and field expese	1,981.00	-
	680,196.00	390,641.00
<u>SCHEDULE- 21</u>		
<u>Pottery Expenses</u>		
Consumables	-	4,825.00
Honorarium	150,300.00	16,000.00
Transportation charges	1,900.00	-
	152,200.00	20,825.00
<u>SCHEDULE- 22</u>		
<u>SWM IRTC Expenses</u>		
Consumables	2,000.00	-
Honorarium	94,000.00	-
Wages for Maintenance	97,550.00	-
	193,550.00	-
<u>SCHEDULE- 23</u>		
<u>Project Expenditure</u>		
Alanallur GP-Vellachattapara Small Hydro Proj Expense	-	26,294.00
ANERT -Essay Competition Expense	-	56,862.00
Brahmagiri Develop Society Waynad - Expense	208,830.00	-
Clean Chaliyar Project - Nilambur BP Expense	-	301,530.00
DBT - Foldscope Scheme Expense	209,062.00	615,696.00
DST -Bio tech kissan expense	2,818,962.00	-

DST-Vigyan Prasar Climate Change & Global Warming Expense	-	109,000.00
DST - Vigyan Prasar Sustainable Development Expense	-	218,000.00
DPR Preparation Charges-Vattalakki	135,459.00	-
Elephant Intrusion Detection System Expense	-	18,759.00
FFDA ,Malampuzha Expense	211,255.00	-
ITDP,Attappady-Training Program Expense	107,295.00	637,049.00
Kerala State Biodiversity Board ,TVM Expense	91,546.00	98,534.00
Kailasanadha Trust - DPR Preparation - Expense	10,150.00	-
KILA - Impact Assmt -CBPMO Expense	333,570.00	195,696.00
KILA -Impact Assmt - CFLG Expense	915,984.00	409,649.00
KSCSTE - National Science Day 2017 Expense	-	26,251.00
KSCSTE - Research Methodology Expense	-	20,000.00
KSCSTE- Tech in Transformg Women's Lives Expense	-	30,889.00
KSCSTE World environment day Expense	-	15,750.00
KSCSTE - World Wetland Day 2018 Expense	-	26,250.00
Nabard - Chaliyar & Urangattiri (DPR) Expense	-	100,014.00
Nabard Exhibition - Trivandrum Expenditure	7,717.00	-
NABARD POPI PROJECT Expense	-	189,100.00
NABARD - KFW Proj (Anchammile) Expense	46,493.00	-
NABARD - KFW Proj (Chazhiyattiri) Expense	37,825.00	-
Nabard - KFW Project (DPR Preparation) Expense	923,640.00	-
NABARD - KFW Proj (Konnakkalkadavu) Expense	50,185.00	-
NABARD - KFW Proj (Nadupathy Mut-tuchira) Expense	39,683.00	-
NABARD - KFW Proj (Nagalassery) Expense	36,710.00	-

NABARD - KFW Proj (Pazhaniyarpalayam) Expense	28,991.00	-
NABARD - KFW Proj (Poothanakkayam) Expense	66,014.00	-
NABARD - KFW Proj (Pullundassery) Expense	39,359.00	-
NABARD - SDP (RSO) Expense	227,635.00	242,999.00
NABARD - WADI TDF Project Measurers Expenditure	526,514.00	-
Prepn. of Green Audit Report-Maharajas College, EKM	38,000.00	-
Prepn. of Green Audit Report - Rajagiri College	200,704.00	-
Ranni Pazhavangadi SWM (DPR) Expense	50,821.00	9,506.00
SCERT - Comp Study of Pre Schg System Expense	43,754.00	116,246.00
Social Justice Dept -Anganwadi Teachers Train Expense	-	1,821,841.00
St. Plg Board - Role MRS Perforom Nalysis Expense	205,700.00	185,900.00
Sustainability Plan for NHWDP WSP (NABARD) Expense	-	3,010.00
Swm Training Program Expense	-	208,387.00
Thalasseri Municipality - DPR (SWM Proj Expense	226,232.00	21,410.00
Terracotta Sculpture Work at Railway Div Office Expense	609,108.00	-
Theeramythri Project - 2017-2018 Expense	-	388,126.00
Theeramythri Project 2018-19 Expense	566,301.00	1,451,885.00
Theeramythri Project 2019-20 Expenditure	672,270.00	-
Theeramythri Project - SAF 3- R Package Expendi.	126,734.00	-
Thirur Ponnani Puzha - DPR Preparation Expenditure	805,046.00	-
UNICEF - Eureka Project Expense	473,350.00	-
UNICEF - High.Sec.Educ.Expense	192,150.00	-
UNICEF - Tribal Project Expense	2,089,227.00	-
WSP - Karuvarakundu GP Expense	759,805.00	2,838.00

WSP - Kozhikode BP EXP	408,755.00	165,824.00
WSP - Melattoor GP Expense	238,971.00	196,096.00
WSP - Pothukal Grama Panchayth (GIS) Expense	94,413.00	
WSP - Punnayur Gramapanchayath Expense	35,924.00	549,661.00
WSP - Thanalur Grama Panchayath Expense	32,319.00	
WSP - Thirunavaya GP Expense	77,591.00	444,101.00
KSCSTE - Value Added Products Jackfruit/ Mango Expense	-	198,802.00
Shornur Municipality - DPR (SWM Proj) Expense	-	3,494.00
Muthalamookkan Kadavu Boating - Vel-linezhi GP Exp	10,000.00	-
UNDP - Chinnakanal G P(Waste Mgmt) Exp	-	-
	15,030,054.00	9,105,449.00
<u>SCHEDULE- 24</u>		
<u>Training Expenditure</u>		
Training Expense- ANERT	5,955.00	-
Training Expense - CREST	-	108,220.00
Training Expense - Fellowship Artists	-	327,784.00
Training Expense - KILA	2,880,408.00	399,129.00
Training Expense - KILA (ArDRAM Mission)	-	1,494,842.00
Training Expense-KSBCDC Tvm Potters Training	349,162.00	-
Training Expense - Kudumbasree	-	45,750.00
Training Expense - MANAGE, Hyderabad	-	64,660.00
Training Expenses - NABARD Climate Change	34,937.00	-
Training Expense - Rohtas, Bihar	-	463,188.00
Training Expenses - SAF	20,040.00	
Training Expense - SIET	-	108,580.00
Training Expense - Theeramythri (Capacity Buildg)	-	38,400.00

Training Expense - Theeramythri Proj(Perfo Improv)	-	264,600.00
	3,290,502.00	3,315,153.00
<u>SCHEDULE- 25</u>		
<u>Annual Maintenance & Consultancy Charges</u>		
Annual Mainte.Charges-Biogasplants at Med.Colle. Kkd	-	788,698.00
Annual Mainte. Charges-Biome.Plant&STP Airport Kkd	-	117,190.00
Biogas Plant - Airport, Karipur	-	176,135.00
Biogas Plant - Medical College,Kozhikode	483,924.00	310,000.00
Consultancy Charges-Haritha Sahaya Sthapanam (SWM)	9,126,637.55	-
Consultancy Charges -Palakkuzhy Small Hydel Project	654,403.00	647,053.00
Instal. Port.Biogas Plants & Training Pondicherry	-	56,235.04
	10,264,964.55	2,095,311.04
<u>SCHEDULE- 26</u>		
<u>Grant In Aid Expenditure</u>		
KSCSTE - Environment Day 2019 Expenditure	13,500.00	-
KSCSTE - Mushroom BIRD Training Expense	22,993.00	-
KSCSTE - National Technology Day 2019 Expense	21,617.00	-
KSCSTE- NON PLAN 2018-19 Expense	-	5,025,417.00
KSCSTE - Ozone Day 2019 Expense	12,000.00	-
KSCSTE-CORE SUPPORT-2017-18 Exp	2,342,082.00	-
KSCSTE - Plan Grant-in-Aid 2018-19 Expense	-	833,000.00
KSCSTE - Plan Grant in Aid 2019-20 Expense	2,400,000.00	-
KSCSTE - Cen .Exce.in Waste Mangmt Expense	-	2,533,982.00
	4,812,192.00	8,392,399.00

Fixed Asset

Schedule - 4

STATEMENT OF FIXED ASSETS AND DEPRECIATION FOR THE YEAR ENDED 31ST MARCH 2020

Particulars	WDV as on 1st Apr 2019	Additions Up to Sep 30th	Additions After Sep 30th	Deletions Up to Sep 30th	Balance	Rate (%)	Depreciation (Full Rate)	Depreciation (Half Rate)	Total Depreciation	WDV as on 31st March 2020
Tangible Assets										
Air Conditioner	118,047.57	-	-	-	118,047.57	10%	11,804.76	-	11,804.76	106,242.81
Amplifier/Microphone	47,810.52	10,820.00	-	-	58,630.52	10%	5,863.05	-	5,863.05	52,767.47
Buildings	22,736,419.00	-	-	-	22,736,419.00	5%	1,136,820.95	-	1,136,820.95	21,599,598.05
Boys' Hostel	333.48	-	-	-	333.48	15%	50.02	-	50.02	283.46
Tech Demo Unit	71,021.94	-	-	-	71,021.94	15%	10,653.29	-	10,653.29	60,368.65
Books	17,565.16	-	-	-	17,565.16	10%	1,756.52	-	1,756.52	15,808.64
CCTV	21,805.07	-	-	-	21,805.07	15%	3,270.76	-	3,270.76	18,534.31
Comm Box	686.30	-	-	-	686.30	10%	68.63	-	68.63	617.67
Comb Binding Machine	6,134.16	-	-	-	6,134.16	10%	613.42	-	613.42	5,520.74
Computer & Accessories	131,899.29	28,200.00	29,000.00	-	189,099.29	40%	64,039.72	5,800.00	69,839.72	119,259.57
Digital Camera	2,756.24	-	-	-	2,756.24	15%	413.44	-	413.44	2,342.81
Dot Matrix Printer	453.79	-	-	-	453.79	15%	68.07	-	68.07	385.72
DTH Set	362.72	-	-	-	362.72	15%	54.41	-	54.41	308.31
Electrical Fittings	262,792.98	-	-	-	262,792.98	10%	26,279.30	-	26,279.30	236,513.68
Electronic Scale	4,324.38	-	-	-	4,324.38	15%	648.66	-	648.66	3,675.72
Equipment	26,032.62	-	-	-	26,032.62	15%	4,207.89	-	4,207.89	21,824.73
Fax Machine	773.79	-	-	-	773.79	15%	116.07	-	116.07	657.72
Fridge	277.74	-	-	-	277.74	15%	41.66	-	41.66	236.08
Functioning Generator	-	-	-	-	-	15%	-	-	-	-
Furniture	1,272,667.97	-	4,250.00	-	1,276,917.97	10%	127,266.80	212.50	127,479.30	1,149,438.67
Kitchen Appliances	284,332.70	-	-	-	284,332.70	10%	28,433.27	-	28,433.27	255,899.43
Lamination Machine	944.29	-	-	-	944.29	15%	141.64	-	141.64	802.65
Laser Printer	1,009.71	-	-	-	1,009.71	15%	151.46	-	151.46	858.25
LCD projector	28,680.52	-	-	-	28,680.52	15%	4,302.08	-	4,302.08	24,378.45
MAXX - Jeep	27,558.72	-	-	-	27,558.72	15%	4,133.81	-	4,133.81	23,424.91

Mobile Hand set	29,289	-	-	-	292,89	15%	43,93	-	43,93	248,96
Monoblock 0.5 HP	4,576.13	-	-	-	4,576.13	15%	656.42	-	656.42	3,719.71
Paper cutting Machine	196.79	-	-	-	196.79	15%	29.52	-	29.52	167.27
PCO Monitor	1,767.41	-	-	-	1,767.41	15%	265.11	-	265.11	1,502.30
Pottary Wheel / Sprayer	6,040.92	-	-	-	6,040.92	10%	604.09	-	604.09	5,436.83
Rubber Roller	2,328.85	-	-	-	2,328.85	15%	349.33	-	349.33	1,979.53
Telephone & Intercom	1,664.02	-	-	-	1,664.02	15%	249.60	-	249.60	1,414.42
Vacuum Cleaner	6,378.27	-	-	-	6,378.27	15%	956.74	-	956.74	5,421.53
Fittings	25,716.85	-	-	-	25,716.85	10%	2,571.68	-	2,571.68	23,145.16
Xerox machine	13,892.33	-	-	-	13,892.33	15%	2,083.85	-	2,083.85	11,808.48
Sanitary Pad Disposer	13,034.95	-	-	-	13,034.95	15%	1,955.24	-	1,955.24	11,079.71
Stitching Machine	1,660.59	-	-	-	1,660.59	15%	249.09	-	249.09	1,411.50
Television	23,218.19	-	-	-	23,218.19	15%	3,482.73	-	3,482.73	19,735.46
Tab	77,872.32	-	-	-	77,872.32	40%	31,148.93	-	31,148.93	46,723.39
Palm Climber	1,343.22	-	-	-	1,343.22	15%	201.48	-	201.48	1,141.74
Car-Nylo KL 9 AD 3352	281,656.47	-	-	-	281,656.47	15%	42,248.47	-	42,248.47	239,408.00
Land	8,097,800.00	-	-	-	8,097,800.00	0%	-	-	-	8,097,800.00
Washing Machine	12,973.13	-	-	-	12,973.13	15%	1,945.97	-	1,945.97	11,027.16
Weighing Machine	2,333.68	-	3,100.00	-	5,433.68	15%	350.05	232.50	582.55	4,851.12
Wood Cutting Machine	4,078.40	-	-	-	4,078.40	15%	611.76	-	611.76	3,466.64
Solar Water Heater	36,432.89	-	-	-	36,432.89	15%	5,464.93	-	5,464.93	30,967.96
T total	33,681,768.94	39,020.00	36,350.00	-	33,757,138.94		1,526,668.59	6,245.00	1,532,913.59	32,224,225.35
Intangible Assets										
Tally ERP 9 Software	12,215.65	-	14,514.00	-	26,729.65	40%	4,886.26	2,902.80	7,789.06	18,940.59
T total	12,215.65	-	14,514.00	-	26,729.65		4,886.26	2,902.80	7,789.06	18,940.59
Grand Total	33,693,985.00	39,020.00	50,864.00	-	33,783,868.59		1,531,554.85	9,147.80	15,407,02.65	32,243,366.00

SOCIETY FOR INTEGRATED RURAL TECHNOLOGY CENTRE Mundur, Palakkad - 678592 Receipts and Payments Account for the year ended 31st March 2020		
Receipts	Schedule No.	Amount (Rs.)
Opening Balances:		
Cash in Hand		58,125.00
Bank Accounts	1	8,716,021.28
Contingency Reserve Fund		
Current Liabilities	2	5,610,305.24
Duties & Taxes	3	2,467,368.00
Biogas Plants Receipts	4	921,548.00
Project Receipts	5	11,209,849.00
Training Receipts	6	9,707,544.00
WSP Receipts	7	1,246,500.00
Grant in Aid Received	8	2,418,000.00
Advance amount Refunded	9	1,224,201.00
Debtors	10	1,059,167.00
HSS Receipts	11	10,454,718.00
Indirect Incomes	12	2,674,887.80
Total Receipts		57,768,234.32
PAYMENTS	Schedule No.	Amount (Rs.)
Fixed Assets Purchased	13	89,884.00
Current Liabilities	14	5,446,788.00
Duties & Taxes	15	3,183,142.00
Biogas Plants	16	489,784.00
Training Payments	17	2,222,797.00
Project Payments	18	14,573,887.00
WSP Payments	19	1,599,628.00
Payments out of Grant in Aid	20	2,408,705.00
Loans & Advances Paid	21	3,366,752.00
HSS Payments	22	8,949,243.55
Indirect Expenses	23	9,097,355.75
Closing Balances:		
Cash in Hand	24	104,585.00
Bank Accounts	25	6,235,683.02
Total Payments		57,768,234.32

SCHEDULE FORMING PART OF RECEIPTS & PAYMENTS ACCOUNT

	Amount (Rs.)
Schedule 1	
Bank Accounts	
Canara Bank A/c No : 0773101014773	1,284,999.00
Canara Bank A/c No:0773101015124 (ITDP)	2,502.00
PNB-A/c : 4318000100074822 (KILA DII)	83,621.55
PNB A/c :4318000100085110 (Social Jus.Dept)	38,036.14
PNB A/c No:4318000100050549	146,807.58
PNB A/c No:4318000100051557 (DDWS)	4,271.19
PNB A/c No:4318000100057223(RSO NABARD)	239,883.00
PNB A/c No:4318000100082177(Contingency Res.Fund)	444,619.80
PNB A/c No :4318000100090103 (HSS)	33,111.00
PNB FD A/c No:4318000R00000908	500,000.00
PNB FD A/c No:4318000R00000917	500,000.00
PNB FD A/c No:4318000R00000926	500,000.00
SBI A/c No:10590557836	208,991.95
SBI A/c No:38318582589 (Bio Kissan)	2,999,000.00
SBT A/c No: 57028786873	1,659,827.87
SBT A/c No:67324608083 (WADI Project)	5,515.00
SBT A/c No:67324608107 (POPI Project)	6,566.20
Treasury Savings Bank A/c No:5607(Spl TSB 66)	58,269.00
Total	8,716,021.28
SCHEDULE 2	
Current Liabilities	
ESIC Deducted and Payable	745.00
IRTC Project Implementation Unit Advance	1,283,000.00
IRTC Staff Welfare Society	42,000.00
Staff Insurance(LIC) - Jeevan Tharang	16,113.00
KSSP - Flood Relief Project	545,112.24
KSSP General	359,135.00
IRTC - Proj Imple.Unit -Advance HSS	1,765,000.00
IRTC Project Implementation Unit	588,923.00
KSSP Kozhikode	4,530.00
Parishad Production Centre	1,005,747.00
Total	5,610,305.24

Schedule 3	
Duties & Taxes	
CGST 2019 - 20	1,194,834.50
Kerala Flood Cess 1% 2019-20	77,699.00
SGST 2019 - 20	1,194,834.50
Total	2,467,368.00
Schedule 4	
Biogas plant receipts	
Biogasplant - Keezhuparambu GP	54,000.00
ANERT, Thiruvananthapuram	12,000.00
The Dep.Gen.Manger, Airport Authority of India	183,748.00
The Principal, Govt .Medical College, Kozhikode	671,800.00
Total	921,548.00
<u>SCHEDULE 5</u>	
<u>Project receipts</u>	
Brahmagiri Develop Society Waynad	250,000.00
DST - Bio-Tech Kissan	83,104.00
FFDA Malampuzha	211,255.00
Kailasanadha Trust DPR Preparation	42,016.00
NABARD Exhibition - Trivandrum	7,530.00
NABARD Exhibition - Hyderabad	13,348.00
NABARD - KFW Proj Anchammile	141,436.00
NABARD - KFW Proj Chazhiyattiri	150,736.00
NABARD - KFW Proj DPR Preparation	923,640.00
NABARD - KFW Proj Konnakkalkadavu	150,536.00
NABARD - KFW Proj Nadupathy Muttuchira	145,236.00
NABARD - KFW Proj Nagalassery	150,836.00
NABARD - KFW Proj Pazhaniyarpalayam	144,336.00
NABARD - KFW Proj Poothanakkayam	150,836.00
NABARD - KFW Proj Pullundassery	151,037.00
NABARD - WADI TDF Project Measurers	39,932.00
NABARD - WADI TDF Proj.(Manag.Fund)	190.00
NABARD - Integr. Tribal Dev..Program(ITDP)	16,362.00
Thalasseri Municipality - DPR Preparation (SWM Proj	217,316.00
Theeramythri Project 2019-20	592,270.00

Theeramythri Project 2018-19	448,474.00
Theeramythri Project - SAF 3 R Package	296,135.00
Thirur Ponnani Puzha - DPR Preparation	754,150.00
UNICEF - Eureka Project	473,350.00
UNICEF - Higher Sec Edu Thrissur DP	192,150.00
UNICEF - Tribal Project	2,099,950.00
Melattoor Room Rent Advance refund	5,000.00
DBT Foldoscope	200,000.00
KILA - Impact Assmt -Capacity Buildg Muni Officials	941,026.00
Secretary, Palakkad Small Hydro Co	1,080,540.00
Divisional Railway Manager (Works) Palakkad	861,082.00
The Principal, Rajagiri College of Scocial Sciences	272,500.00
The Project Director, PAU, Thrissur	3,540.00
Total	11,209,849.00
<u>SCHEDULE 6</u>	
<u>Training Receipts</u>	
ANERT, Palakkad	24,937.00
Block Project Co Ordinator , BRC, Parali	17,900.00
Crescent ,Hss Adakkakundu	22,243.00
CUTEC, Koduvayur	48,852.00
Director, KILA	7,058,908.00
Director, Samagrasiksha, Kerala	50,095.00
Director, SCERT, Trivandrum	145,175.00
DNEU ,Palakkad	22,015.00
Dt. Mission Co Ordinator, Kudumbasree, Palakkad	44,625.00
Govt. Engineering College , Kannur	30,031.00
ITDP,Attappady-Training Program	70,800.00
Kerala University,Tvm(Dept of Env.Sciences)	7,440.00
KILA -Impact Assmt - Child Friendly Local Govern.	1,523,338.00
Malabar Poly Technic ,Kottakkal	16,756.00
Managing Director, KSBCDC	270,000.00
Markaz Arts & Science College ,Athavanad	5,653.00
NABARD - Climate Change Training	50,000.00
NABARD - SDP (RSO)	47,000.00
National Institute of Agri.Extension Management	82,435.00

Principal, TPLC, Gov.Engg.College, Barton Hill, TVM	86,187.00
Providence College , Calicut	4,165.00
Registrar, KFRI, Peechi	66,375.00
Secretary, Anchammile Village Watershed Committee	4,000.00
Teacher Incharge ,SSUS Rc ,Payyannur	8,614.00
Total	9,707,544.00
<u>SCHEDULE 7</u>	
<u>WSP Projects</u>	
WSP - Melattoor GP	293,100.00
WSP - Pothukal Grama Pachayath (GIS)	100,000.00
WSP - Thanalur Grama Panchayath	450,000.00
WSP - Karuvarakundu GP	403,400.00
Total	1,246,500.00
Schedule 8	
Grant in Aid	
KSCSTE - Plan Grant-in-Aid 2019 - 20 Income	2,400,000.00
KSCSTE - Mushroom "BIRD" Training	18,000.00
Total	2,418,000.00
<u>SCHEDULE 9</u>	
<u>Advance amount refunded</u>	
Advance - Abhilash.T.K	2,000.00
Advance - Ajay .R	9,000.00
Advance - Akhil Benny	55,000.00
Advance - Anagha. E	40,000.00
Advance - Anandu K .S	5,600.00
Advance - Anju .B	10,000.00
Advance - Babu Security	1,000.00
Advance - Bindhu.A.K	3,000.00
Advance - Bindhu T .C	9,000.00
Advance - Binilkumar .T	12,000.00
Advance - Co Ordinator, Nabard Wadi Project	50,000.00
Advance - Dhanoop Mohan.N	9,000.00
Advance - Dharshini . M .P	29,000.00

Advance- Fathima Nashwa	4,500.00
Advance - Focus Computers	134,350.00
Advance - Geetha (Pottery)	3,500.00
Advance - Kalyani Amma	10,000.00
Advance -Kavya Jeevan	3,000.00
Advance - Mohammed Ashraf(Rent Adv Thirur Ponnani)	14,000.00
Advance - Mohammed Nazeer (Room Rent Thanalur)	15,000.00
Advance - Muralidas. A	26,300.00
Advance - Naseera (Water Testing Charges)	31.00
Advance - Naveen Babu .T	10,000.00
Advance - Nikil .K	5,000.00
Advance - Noorudheen (Room Rent Kadappuram)	15,000.00
Advance - Padmavathy.P.V	3,000.00
Advance - Prameela	5,000.00
Advance - Pranav .S	12,500.00
Advance - Praveen.K.V	55,000.00
Advance - Radhamani .M	1,500.00
Advance - Rahul .K	8,500.00
Advance - Rajan .M	35,000.00
Advance - Ramachandran. M	95,300.00
Advance - Rangaswamy	2,000.00
Advance - Rema .R	38,710.00
Advance - Sabu.P.S	56,000.00
Advance - Said Muhammed .V.N(WDF Nilambur Rent Adv)	25,000.00
Advance - Sajil N.R	3,000.00
Advance - Sajitha (Mess)	3,000.00
Advance - Sarojini	12,000.00
Advance - Satheesh. R	2,160.00
Advance - Selvaraj. V.C	97,950.00
Advance - Shanish V.N	11,000.00
Advance - Shibu .P	46,500.00
Advance - Shibu.P (KFW Soil Project)	12,000.00
Advance - Shinton	2,600.00
Advance - Sabin K .K	20,000.00
Advance - Sindhu Manoj (Room Rent,WSP Tri'gode)	5,000.00
Advance - Sobha T .R	700.00

Advance - Sophy.K.Antony	35,000.00
Advance - Sreedevi .R. K	5,400.00
Advance - Sreeraj	8,200.00
Advance - Sreesankar(Harithakeralam Mission)	10,000.00
Advance - Subesh Babu .K .K	3,000.00
Advance - Subramanian(Biogas)	11,100.00
Advance - Sudha .P.S	3,000.00
Advance - Sundari	10,000.00
Advance - Sunitha.P.L	25,000.00
Advance - Surya .S	7,000.00
Advance - Susmitha.V	12,000.00
Advance - Swathi M	17,000.00
Advance - T.P.Sreesankar	30,000.00
Advance - Vaishakh .P. N	14,000.00
IRTC - E Vallate Account (IRCTC)	4,800.00
Total	1,224,201.00

SCHEDULE 10

Debtors

BSNL, Palakkad	36,000.00
P.M.A. Jaleel, Ottappalam Municipality	1,770.00
Sathyajith. S - TDS Receivable	5,190.00
Apparel Training and Design Centre	269,431.00
Asst.Develop.Commissioner,Thrissur	2,596.00
BUDS School, Peringottukurissi	536.00
Co Ordinator, Gifted Children Program	5,355.00
DRDA, Rohtas, Bihar	678,002.00
Kendriya Vidyalaya, Ottappalam	1,652.00
Precot Meridian Ltd	4,956.00
Secretary, Alathur Gramapanchayath	2,380.00
Secretary, Eruthempathi Grama Panchayath	1,770.00
Secretary ,Kozhinjampara GP	3,570.00
Secretary, Nalleppilly Grama Panchayath	7,080.00
Secretary ,Pattenchery GP	1,785.00
Secretary , Vandazhi GP	1,785.00
Stabaka Consulting P Ltd, Hyderabad	20,000.00

Thaluk Head Quarts Hospital, Ottappalam	12,831.00
Uralungal Labour Contract	2,478.00
Total	1,059,167.00
<u>SCHEDULE 11</u>	
<u>Haritha Sahaya Sthapanam (HSS) Receipts</u>	
HSS	171,848.00
Secretary ,Agali GP -HSS	193,017.00
Secretary ,Alathur GP (HSS)	195,903.00
Secretary, Ambalapara GP (HSS)	62,657.00
Secretary, Amballoor GP - HSS	135,895.00
Secretary ,Ananganadi GP -HSS	186,323.00
Secretary ,Arppukkara GP (HSS)	210,083.00
Secretary, Athirampuzha Grama Panchayath HSS	98,700.00
Secretary - Chavakkad Municipality HSS	242,896.00
Secretary, Chenagannur GP (HSS)	281,620.00
Secretary , Chittur Tattamangalam Municipality(HSS)	32,994.00
Secretary , Chottanikkara GP HSS	84,034.00
Secretary , Edachery GP (HSS)	62,417.00
Secretary ,Eramala GP HSS	254,228.00
Secretary ,Guruvayoor Municipality (HSS)	248,875.00
Secretary ,Harippad Municipality HSS	219,972.00
Secretary ,Iritty Municipality HSS	336,847.00
Secretary, Kalikavu GP HSS	130,892.00
Secretary, Kappur GP (HSS)	128,669.00
Secretary, Karthikappally GP HSS	141,338.00
Secretary,Karuvatta GP HSS	187,209.00
Secretary ,Kavassery GP (HSS)	156,117.00
Secretary, Kavilumpara GP (HSS)	143,185.00
Secretary ,Kizhekkenchery GP HSS	181,126.00
Secretary ,Kodumbu GP (HSS)	55,206.00
Secretary , Kollam Corporation HSS	388,656.00
Secretary ,Kumarapuram GP HSS	124,806.00
Secretary, Kunnamkulam Municipality(HSS)	491,524.00
Secretary, Malampuzha GP HSS	95,440.00
Secretary, Mangalam GP HSS	163,377.00

Secretary ,Mannur GP HSS	100,493.00
Secretary ,Maruthomkara GP HSS	97,597.00
Secretary, Mavelikkara - Thamrakulam HSS	152,684.00
Secretary, Meenangadi GP (HSS)	42,036.00
Secretary, Mynagappally GP (HSS)	285,715.00
Secretary ,Naripatta GP HSS	55,119.00
Secretary,Nedumbassery GP HSS	50,650.00
Secretary, Palamel GP (HSS)	290,077.00
Secretary, Pallippad GP HSS	35,335.00
Secretary ,Payyannur Municipality (HSS)	561,984.00
Secretary, Pookkottukavu GP HSS	93,084.00
Secretary, Poruvzhi GP (HSS)	122,450.00
Secretary , Puduppariyaram GP (HSS)	280,380.00
Secretary ,Puduserry GP HSS	168,940.00
Secretary,Purathur GP HSS	264,947.00
Secretary ,Sasthamkotta GP HSS	139,830.00
Secretary, Sooranad South GP - HSS	72,873.00
Secretary, Sreekrishnapuram GP HSS	59,850.00
Secretary ,Thalakkad GP HSS	131,919.00
Secretary ,Tharur GP HSS	16,465.00
Secretary ,Thirunavaya GP HSS	319,412.00
Secretary ,Thrippangode GP HSS	146,220.00
Secretary ,Udayamperur GP HSS	112,772.00
Secretary ,Vadakkenchery GP - HSS	183,675.00
Secretary ,Vadekkakkara GP HSS	71,848.00
Secretary ,Valayam GP HSS	32,838.00
Secretary ,Vallikunnam GP HSS	207,856.00
Secretary ,Vattamkkulam GP (HSS)	110,102.00
Secretary, Velam GP (HSS)	130,688.00
Secretary ,Velayam GP HSS	69,661.00
Secretary, Vellinezhi GP - HSS	111,136.00
Secretary,Vettam GP HSS	211,864.00
Secretary, Vilayur GP HSS	88,236.00
Secretary ,West Kallada GP (HSS)	122,450.00
Secretary , Pattithara GP HSS	107,678.00
Total	10,454,718.00

<u>SCHEDULE 12</u>	
<u>Indirect Income</u>	
Contingency Reserve Interest	95,956.00
DBT - Foldscope Scheme Income	3,851.00
General - Administration	1,613,833.80
General - Agriculture	119,448.00
General - Fisheries	198,479.00
General - Mushroom	542,725.00
General - Pottery	44,700.00
General - SWM Unit, IRTC	31,895.00
Consultancy Expenditure - Haritha Sahaya Sthapanam	24,000.00
Total	2,674,887.80
<u>SCHEDULE 13</u>	
<u>Fixed Assets</u>	
Amplifier/Microphone	10,820.00
Computer / Accessories	57,200.00
Furniture	4,250.00
Tally Software - ERP 9	14,514.00
Weighing Balance	3,100.00
Total	89,884.00
<u>SCHEDULE 14</u>	
<u>Current liabilities</u>	
ESIC Deducted and Payable	178,900.00
Honorarium Payable - K.K.Janardhanan	190,000.00
Honorarium Payable - Prof V.R.Raghunandanan	144,000.00
IRTC Project Implementation Unit Advance	735,500.00
IRTC Proj Imple Unit Payable (R & D Activities)	341,735.00
IRTC - Proj Imple.Unit -Advance HSS	1,300,000.00
IRTC Staff Welfare Society	2,023,614.00
PPC - Waste Management Unit	54,000.00
Professional Tax - 2019-20	86,510.00
Railway Div Office - Labour Charges Payable	121,973.00
Staff Insurance(LIC) - Jeevan Tharang	171,900.00
Ranjith Karthikeyan Associates	98,656.00
Total	5,446,788.00

<u>SCHEDULE 15</u>	
<u>Duties & Taxes</u>	
CGST 2018 - 19	371,044.50
CGST 2019 - 20	1,196,333.00
CGST RCM PAYABLE	450.00
IGST 2018-19	34,110.00
Kerala Flood Cess 1% 2019-20	126,505.00
SGST 2018 - 19	207,814.50
SGST 2019 - 20	1,196,333.00
SGST RCM PAYABLE	450.00
TDS Deducted & Payable 2018-19	3,729.00
TDS Deducted & Payable 2019 - 20	38,315.00
TDS Input 2019 - 20	8,058.00
Total	3,183,142.00
<u>SCHEDULE 16</u>	
<u>Biogas Plants - Payments</u>	
Biogas Plant - Airport, Karipur	10,700.00
Biogas Plant - Medical College,Kozhikode EXP	479,084.00
Total	489,784.00
<u>SCHEDULE 17</u>	
<u>Training Payments</u>	
KSBCDC Pottery Training -Decoup. Unit Payable	36,000.00
Climate Warriors-Training in Climate Chagen Expend.	87,531.00
ITDP,Attappady-Training Program EXP	105,905.00
SCERT - Comp Study of Pre Schg System Expe	63,765.00
Training Expense-KSBCDC Tvm Potters Training	159,262.00
Training Expenses - KILA	1,727,157.00
Training Expenses - NABARD Climate Change	23,137.00
Training Expenses - SAF	20,040.00
Total	2,222,797.00

SCHEDULE 18	
Project Payments	
FGD Payable - Krishna.G.Nair	36,000.00
NABARD - Integr. Tribal Dev..Program(ITDP)	494,995.00
Project Investigator, DBT Payable	93,850.00
Karumkulam Grama Panchyath ,TVM	81,279.00
KSCSTE - EMO Preparation II	1,500.00
KSCSTE - National Science Day 2020	10,732.00
NABARD - WADI TDF Proj.(Manag.Fund)	299,628.00
NABARD Exhibition - Hyderabad	13,395.00
Brahmagiri Develop Society, Waynad - Expenditure	208,830.00
DST - Bio-Tech Kissan Expenditure	2,818,962.00
FFDA ,Malampuzha Expenditure	472,155.00
Kailasanadha Trust - DPR Preparation- Expenditure	10,150.00
KILA-Impact Assmt-CBPMO Expenditure	331,740.00
KILA -Impact Assmt - CFLG Expense	879,340.00
Muthalamookkan Kadavu Boating - Vellinezhi GP Exp	10,000.00
Nabard Exhibition - Trivandrum Expenditure	7,717.00
NABARD - KFW Proj (Anchammile) Expenditure	46,493.00
NABARD - KFW Proj (Chazhiyattiri) Expenditure	37,225.00
Nabard - KFW Proj (DPR Preparation) Expenditure	1,098,500.00
NABARD - KFW Proj (Konnakkalkadavu) Expenditure	48,885.00
NABARD - KFW Proj (Nadupathy Muttuchira) Expenditur	38,933.00
NABARD - KFW Proj (Nagalassery) Expenditure	36,110.00
NABARD - KFW Proj (Pazhaniyarpalayam) Expenditure	28,991.00
NABARD - KFW Proj (Poothanakkayam) Expenditure	63,102.00
NABARD - KFW Proj (Pullundassery) Expenditure	38,759.00
NABARD - SDP (RSO) EXP	275,875.00
NABARD-TDF-Chaliyar&Urangattiri ITDP- Managem Expen	63,280.00
NABARD - WADI TDF Project Measurers Expenditure	526,514.00
Palakkuzhy Small Hydel Project-Expenditure	650,403.00
Ranni Pazhavangadi SWM (DPR) Expense	49,853.00
Thalasseri Municipality - DPR (SWM Proj EXP	226,232.00
Theeramythri Project 2018-19 Exp	560,986.00
Theeramythri Project 2019-20 Expenditure	691,824.00
Theeramythri Project - SAF 3- R Package Expendi.	126,734.00

Thirur Ponnani Puzha - DPR Preparation Expenditure	22,974.00
UNICEF - Eureka - Expenditure	399,647.00
UNICEF - Expenditure- Tribal	2,055,782.00
UNICEF - Exp.Higher Sec Edu.Thrissur DP	384,486.00
KSCSTE - Value Added Products Jackfruit/Mango Exp	110,578.00
Kerala State Biodiversity Board ,TVM Expenditure	96,636.00
Holistic Watershed Devp Plan- KILA Thaliparambu Exp	31,500.00
Prepn. of Green Audit Report-Rajagiri Colle.Expend	198,704.00
St. Plg Board - Role MRS Perfororm Nalysis Exp	593,141.00
Terracotta Sculpture Work at Riy Div Office Expendi	50,000.00
UNICEF - Preproject Expenditure	51,134.00
UNDP - Chinnakanal G P(Waste Mgmt) Exp	66,894.00
Vattalakki Farm - DPR Preparation Expenditurd	133,439.00
Total	14,573,887.00
<u>SCHEDULE 19</u>	
<u>WSP Payments</u>	
WSP- Kadappuram Grama Panchayath	15,000.00
WSP -Mangalam GP	5,000.00
WSP - Karuvarakundu GP Exp	754,001.00
WSP - Kozhikode BP EXP	408,755.00
WSP - Melattoor GP Exp	238,971.00
WSP - Pothukal Grama Panchayath (GIS) Expenditure	93,063.00
WSP - Punnayur Gramapanchayath EXP	35,924.00
WSP - Thanalur Grama Panchayath Expenditure	32,319.00
WSP - Thirunavaya GP EXP	16,595.00
Total	1,599,628.00
<u>SCHEDULE 20</u>	
<u>Grant in Aid Payments</u>	
KSCSTE - Environment Day 2019 Expenditure	2,000.00
KSCSTE- National Technology Day 2019 Exp	5,617.00
KSCSTE - Ozone Day 2019 Expenditure	1,088.00
KSCSTE - Plan Grant in Aid 2019-20 Expenditure	2,400,000.00
Total	2,408,705.00

SCHEDULE 21	
Loans & Advances (Asset)	
Advance - Abhilash.T.K	2,000.00
Advance - Ajay .R	9,000.00
Advance - Akhil Benny	55,000.00
Advance - Anagha. E	40,000.00
Advance - Anandu K .S	5,600.00
Advance - Anju .B	10,000.00
Advance - Babu Security	5,000.00
Advance - Bindhu.A.K	3,000.00
Advance - Bindhu T .C	13,000.00
Advance - Binilkumar .T	12,000.00
Advance - Chinnan (Through PPC)	7,500.00
Advance - Dhanoop Mohan.N	9,000.00
Advance - Dharshini . M .P	29,000.00
Advance- Fathima Nashwa	4,500.00
Advance - Focus Computers	134,350.00
Advance - Geetha (Pottery)	4,500.00
Advance (HSS) - Arun Krishnan	73,000.00
Advance (HSS) - Jaisomanathan	10,000.00
Advance (HSS) - Jayakumar	5,000.00
Advance (HSS) - Subhash	34,500.00
Advance - Jinesh Balakrishnan,Karu Kundu Rent Adv	5,000.00
Advance - Kalyani Amma	30,000.00
Advance -Kavya Jeevan	3,000.00
Advance - Mohammed Nazeer (Room Rent Thanalur)	15,000.00
Advance - Muhammed Ismail .P. K	4,000.00
Advance - Muralidas. A	26,300.00
Advance - Naveen Babu .T	10,000.00
Advance - Nikil .K	5,000.00
Advance - Padmavathy.P.V	3,000.00
Advance - Prajeesh .A	3,500.00
Advance - Prameela	5,000.00
Advance - Pranav .S	12,500.00
Advance - Praveen.K.V	55,000.00
Advance - Radhamani .M	1,500.00

Advance - Rahul .K	8,500.00
Advance - Rajan .M	35,000.00
Advance - Raju. C.K	16,000.00
Advance - Ramachandran. M	145,300.00
Advance - Rangaswamy	2,600.00
Advance - Rejish.R (Mural Work)	85,000.00
Advance - Rema .R	38,710.00
Advance - Rugmini.A.P (Mess)	7,000.00
Advance - Rugmini (Labour)	10,000.00
Advance - Sabu.P.S	71,000.00
Advance - Said Muhammed .V.N(WDF Nilambur Rent Adv)	25,000.00
Advance - Sajil N.R	3,000.00
Advance - Sajitha (Mess)	3,000.00
Advance - Sarojini	19,000.00
Advance - Satheesh. R	2,160.00
Advance - Selvaraj. V.C	97,950.00
Advance - Shanish V.N	11,000.00
Advance - Shibu .P	46,500.00
Advance - Shibu.P (KFW Soil Project)	12,000.00
Advance - Shinton	2,600.00
Advance - Sibin K .K	20,000.00
Advance - Sobha T .R	700.00
Advance - Sophy.K.Antony	35,000.00
Advance - Sreedevi .R. K	5,400.00
Advance - Sreeraj	8,200.00
Advance - Subesh Babu .K .K	3,000.00
Advance - Subramanian(Biogas)	11,100.00
Advance - Sudha .P.S	8,000.00
Advance - Sundari	20,000.00
Advance - Sunitha.P.L	27,000.00
Advance - Surya .S	7,000.00
Advance - Susmitha.V	11,400.00
Advance - Swathi M	21,000.00
Advance - T.P.Sreesankar	30,000.00
Advance - Vaishakh .P. N	14,000.00
Advance - Yasodha	15,000.00

IRTC - E Vallate Account (IRCTC)	15,000.00
IRTC Project Implementation Unit	428,710.00
Parishad Production Centre	1,365,728.00
Hariharan Beena Pappachan	4,000.00
WIP Clean Chaliyar Project - Nilambur Block Panchayath	6,444.00
WIP Nabard - Chaliyar & Urangattiri (DPR)	24,000.00
Total	3,366,752.00
<u>SCHEDULE 22</u>	
<u>Haritha sahaya sthapanam Payments</u>	
Haritha Sahaya Sthapanam	65,077.00
Consultancy Expenditure - Haritha Sahaya Sthapanam	8,884,166.55
Total	8,949,243.55
<u>Schedule 23</u>	
Indirect expenditures	
General - Administration	7,375,730.75
General - Agriculture	262,640.00
General - Fisheries	338,977.00
General - Mushroom	661,608.00
General - Pottery	150,300.00
General - SWM Unit, IRTC	192,170.00
DBT - Foldscope Scheme Expense	115,930.00
Total	9,097,355.75
<u>SCHEDULE 24</u>	
<u>Cash-in-hand</u>	
Cash	104,579.00
Cash HSS	6.00
Total	104,585.00
<u>SCHEDULE 25</u>	
<u>Bank Accounts</u>	
Canara Bank A/c No : 0773101014773	202,917.00
Canara Bank A/c No:0773101015124(ITDP)	119,869.00
PNB-A/c : 4318000100074822 (KILA DII)	95,068.45
PNB A/c :4318000100085110 (Social Jus.Dept)	3,063.28

PNB A/c : 4318000100091069 (KfW Project)	456,243.83
PNB A/c No:4318000100050549	302,078.62
PNB A/c No:4318000100051557 (DDWS)	4,423.69
PNB A/c No:4318000100057223(RSO NABARD)	93,135.90
PNB A/c No:4318000100082177(Contingency Res.Fund)	438,269.20
PNB A/c No :4318000100090103 (HSS)	3,275,651.45
PNB FD A/c No:4318000R00000926	500,000.00
PNB FD A/c No:431800PU00003420	230,000.00
SBI A/c No:10590557836	168,214.20
SBI A/c No:38318582589 (Bio Kissan)	262,935.53
SBT A/c No: 57028786873	47,620.67
SBT A/c No:67324608083 (WADI Project)	5,705.00
SBT A/c No:67324608107 (POPI Project)	6,792.20
Treasury Savings :799010100158257 (HSS)	826.00
Treasury Savings Bank A/c No:5607(Spl TSB 66)	22,869.00
Total	6,235,683.02

ANNUAL REPORT

2019-2020

Integrated Rural Technology Centre (IRTC) is an autonomous research and development organisation that envisions the upliftment of the underprivileged sections of the society through knowledge, technology and skill transfer. The institution intervenes to meet the new age challenges and find sustainable solutions in the sectors of solid waste management, watershed development, energy management and livelihood. IRTC has played a pivotal role in handholding the local self-government institutions across the state through planning, DPR preparation and project implementation in these sectors.



INTEGRATED RURAL TECHNOLOGY CENTRE

Grant-in-aid Institution of KSCSTE

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