

**CENTRE FOR RESEARCH
AND DEVELOPMENT
(CRD)**



**ANNUAL REPORT
2010-2011**

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Foreword

Centre for Research and Development (CRD) is a Non Profit Organization registered under Societies Registration Act XXI of 1860 and has been active in the field of development with various activities since 2002. CRD works in close association with Developmental Agencies under various programmes and schemes.

The core activity of the organization consists of Planning, Executing and Monitoring of Integrated Watershed Management Programmes. In the year 2009, we have been appointed by National Bank for Agriculture and Rural Development (NABARD) as the Resource Support Organization (RSO) for its Watershed Projects in Kasaragod District under Prime Minister's Distressed District Package Programme and the project is in good progress. It is a remarkable achievement in the reporting period that we have been recognized as one of the Technical Support Organizations (TSOs) by the Commissionerate of Rural Development, Government of Kerala for the implementation of Integrated Watershed Management Projects (IWMP) in the State. CRD has a meritorious record of performance as the Project Facilitating Agency (PFA) for NABARD sponsored Watershed Projects and also as the Project Implementing Agency (PIA) for Watershed Projects under Western Ghats Development Programme (WGDP) of the Government.

During 2010-11 we have conducted Capacity Building & Training Programmes for various stakeholders like Gramapanchayat Representatives, Watershed Development Team, Village Watershed Committees, Watershed Community and School Children. We have prepared a number of Training Materials (Print & Visual form) on Watershed Project Preparation, Watershed Project Management, etc to suit the requirements of various stake holders. CRD has an impressive track record of meaningful association with Research & Development institutes in the areas of Trainings and Watershed & Agricultural Development programmes. CRD has been recognized by NABARD as the Nodal Agency for Kasaragod District for Pilot Project for Integrated Development (PPID)

We do have ample experience in preparing Developmental Projects under various Schemes for the Grama Panchayats, Watershed Master Plans under Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS).

We have to our credit a qualified and trained team of staff comprising of Engineers, Agronomists, Social Scientists and Social Workers to manage developmental programmes.

The report on activities for the year 2010-11 will explain the activities implemented by us in detail. At this moment, we thank all the Agencies supported us in actualizing various developmental programmes. We are extremely grateful to have the sustained participation and cooperation of the people from our programme areas in making the development possible.

Director, CRD

Organizational profile

The Institution:

Center for Research and Development (CRD), a Society registered with Government under Societies Registration Act XXI of 1860 has been active in the field of social mobilization, awareness training, capacity building, organizing campaigns, implementation of various watershed development programmes, conducting studies and participatory action research since 2002.

CRD works in close association with Government, Panchayati Raj Institutions (PRIs) and other Development agencies. The office of CRD situated at Nileshwaram, Kasaragod DT, Kerala State.

CRD is registered with Planning Commission of GOI with Unique Id No. KL/2009/0021888 at http://ngo.india.gov.in/state_ngolist_ngo.php (SL No. 89 in the list).

Legal status:

- 1) Registered under Societies Registration Act XXI of 1860 with number 528
- 2) Reregistered under section 12AA of the Income tax Act.
- 3) Registered under the FCRA Act, 1976 of GOI with Number 052920008
- 4) Income tax PAN (Permanent Account Number) – AAATC8030G

Vision:

To usher in sustainable development process for a just society

Approach:

CRD believes that sustainable development is possible through the collaboration of different actors. So, it follows a collaborative and participatory approach in all its endeavors

Objectives:

- To facilitate studies, researches and learning process in developmental field.
- To promote initiatives for environment conservation and management
- To strengthen decentralization and local self governance process
- To integrate and promote gender equity in development process
- To promote and facilitate human and institution development process

Some of the key intervention areas:

- Watershed Management
- Research and Development
- Community Health and sanitation
- Livelihood and Entrepreneurship Development
- Panchayathi Raj and Decentralization
- Human Resource Development

Areas of expertise

CRD has expertise in following area

- Planning /Preparing Projects in the areas of Integrated Watershed Development, Livelihood, Community Development, Health & Sanitation, etc
- Facilitating implementation of Developmental Projects including Watershed Projects
- Conducting Studies
- Doing Project Appraisal
- Conducting Project Evaluation /Assessment
- Participatory Rural Appraisal
- Result Focused Participatory Monitoring and Evaluation process
- Training/Capacity Building programmes

Team/Personnel of CRD

The personnel of CRD comprise of Social Development Experts and Technical Experts (Agronomists, Agriculture Engineer, Civil Engineers, etc). We also have consultants from Social and Technical disciplines.

Activities undertaken for the year 2010-11

I. Integrated Watershed Management Programmes

Watersheds are the ideal unit for generating sustainable development. We have 4 types of activities under Watershed Management Programme.

- 1) Resource Support Organization (RSO) Project
- 2) Technical Support Organization for IWMP
- 3) Watershed Project Implementation
- 4) Watershed Master Plan preparation
- 5) Capacity Building Training and Awareness Building Programmes

1) Resource Support Organization (RSO) for NABARD

CRD is the Resource Support Organization for NABARD for its Holistic Watershed Development Projects in Kasaragod DT. This 3-5 year project covers 35 Watersheds spread across Manjeshwaram, Kasaragod, Karadka, Parappa and Nileshwama Blocks in the District, covering a total area of 30351 hectares in 22 Grama Panchayats (We are also Project Facilitating Agency for 7 of these Projects).

The following are the major functions being performed by CRD as RSO.

- Capacity Building & Training
- Coordination & Linkages (Facilitate Meetings, Visits, Workshops, WS development- Agronomic intervention, Inputs supply, Animal Husbandry, Agro-Horti, coordination with Research and Development Institutions like CPCRI, KVK, RARS for IPM, INM , Organic Farming and Capacity Building programmes)
- Studies & Documentation (Impact Monitoring, Audio – Video modules in vernacular, Associate with NABARD in electronic & print documentation, etc- Developing Formats- Net Planning & Family Based Livelihood, Analysis & Report Writing , Gender Issues, Agronomic changes, Agro Horti, Final Impact Studies)
- Special Recommendation for Release of Funds- Recommend PFA's proposal for disbursement
- Monitoring of Project Implementation
- To develop one replicable Watershed model in each block – Act as PFA
- Cluster Plus Activities – S & W Conservation, AH, Agronomic, NFS, Micro finance, Exposure visits & Cross learning, Specialized Trainings
- MIS & Reporting System – Fund Utilization & Physical Progress – Monthly, Quarterly Variance Report, Demand for Release of Funds/Certifying demand, Special Reports , Progress to District Level Committee & NABARD RO

The project is being implemented through the Village watershed Committees (VWCs) with the support of Project Facilitating Agencies (FFAs- 2 Gramapanchayats, 10 NGOs and 1 Farmers Club) appointed by the Gramapanchayats with the approval of NABARD.

As RSO, we are giving technical support to the PFAs and VWCs for quality implementation of the Project adhere to the WDF guidelines of NABARD. NABARD

directly release the fund for treatment measures, supervision, etc to the concerned VWCs and project management cost to the concerned PFAs.

Following are the details of watersheds under RSO Project

SL No	Watershed	GP	PFA	Total area in Ha	Total NABARD Grant in Rupees
1	Modogram	Kodom-Belur	Kodom Belur Grama Panchayat	1110	16614264
2	Panathur	Panathadi	Panathady Grama Panchayat	1520	22651387
3	Pallikandam	Pilikode	CRD	922	13041764
4	Perumbala	Chemnad	Planet Kerala	1060	14338200
5	Neelimala	Kallar	CRD	1113	14767609
6	Thaliyamada	Kayyr-Cheemnei	CRD	1075	11998048
7	Pettikundu-Chenappamchal	Kayyr-Cheemnei	CRD	900	12684926
8	Kundar	Karadka	CRD	594	6424444
9	Kunjar	Badiadka	CRD	919	12332043
10	Banatpadi	Kuntar	CRD	1231	16058110
11	Cheripady	Bedadka	RRC	625	10016377
12	Pandikandam	Bedadka	Planet Kerala	763	10976800
13	Vellakallu - Chakkla	East-Eleri	CDA	687	9410719
14	Sheni	Enmakaje	GSGSK	1106	1340800
15	Thottayamchal	East-Eleri	KAIROS	525	8079900
16	Kidoor-Ambiladka	Kumbla	Planet Kerala	706	9839500
17	Peraladkam	Bedadka	Planet Kerala	569	7832100
18	Mugu	Puthige	CRM	1506	22816100
19	Konibail	Vorkadi	CRM	1031	1193700
20	Pathyapurachal	West-Eleri & Balal	Souhrudha Farmers' Club	725	11198800
21	Bellarkaje-Nerodi	Delampadi	MIDA	546	8668300
22	Sarolimoole	Bellur	GSGSK	631	7890100
23	Permude	Puthige & Paivalige	CRM	650	9935500
24	Ballur-Kaniyala	Paivalige	CRM	825	11744700
25	Bejja	Meenja	CRM	887	1020700
26	Barkolu	Karadka	SGSK	544	8123000
27	Mallam II	Muliyar	MIDA	500	7646300
28	Kundappu	Enmakaje	SEDS	1174	1080000
29	Kadar	Badiadka& Kumbadaje	GSGSK	769	9439400
30	Korikar	Enmakaje&Badiadka	GSGSK	804	12363700
31	Napachal	Kayyr-Cheemnei	SEDS	731	10192303
32	Pallathadka	Badiadka	MIDA	634	9423400
33	Nallompuzha	East-Eleri	KAIROS	926	14072100
34	Malamkadappu-	Kuttikol	FLAME	1106	13310000

	Pallanji				
35	Pudiyaparambu-Thavanam	Kuttikol	FLAME	937	13392400
Grant total				30351	371917494

Out of the total, the area and grant amount for different phase are as given below

Total No of Watersheds	Total area in Ha	NABARD Grant in Rupees		
		Capacity Building Phase	Interim Phase (for 10 Projects only)	Full Implementation Phase(excluding 4 Projects)
35	30351	29699750	7313500	329578644

Following are the activities/achievements in the reporting period under RSO Project.

- a) **Monitoring Visits to the watersheds:** Number of monitoring visits has been conducted to various watersheds to know the field level progress in implementation of the project measures, quality of the implementation, level of participation of people, success & constraints factors, etc. Necessary guidance was given to the Watershed Community, Village Watershed Committee and Watershed Development Team.
- b) **Structured Monitoring Visits (SMVs):** Structured Monitoring Visits are conducted before recommending the watersheds for release of funds by NABARD and conduct of Feasibility Study Reports. In the reporting period 31 SMVs were conducted to the watershed projects. Based on the SMVs, Watersheds were recommended for release of fund and for conduct of Feasibility Study for Full Implementation Phase.
- c) **Preparation of Feasibility Study Report (FSR):** All the watersheds have been qualified for Final Implementation Phase (FIP) by achieving more than 80% progress in implementation of the Capacity Building Phase Project. Feasibility Study is conducted in each watershed to prepare projects for FIP. We have guided the VWCs and PFAs in the process of FSR preparation through capacity building programmes, developing formats for FSR and field level technical support.
- d) **Preparation of methodology for FSR, various formats and engineering estimates:** We have prepared a methodology for conducting Feasibility Study in watersheds and the contents and structure for Feasibility Study Report in consultation with NABARD. The methodology for conduct of PRA and livelihood planning in watershed is also prepared. Formats for Participatory Net Planning (PNP) and Performa for data / information entry were also prepared.
- e) **Methodology for preparing success stories:** A methodology for preparing success stories of watershed projects was prepared for the use of the VWCs/PFAs. Model questionnaires for collecting data/information from field are also prepared.

- f) Meeting of Chief Executive Officers (CEOs) of PFAs:** This meeting is intended to have an analysis of the progress of projects, to discuss various innovations and issues in watersheds and to plan for effective implementation of the project. We had 03 Meetings of CEOs during 2010-11.
- g) Contact with Research and Development Institutions:** The service of Research and Development Institutions were roped in for the quality undertaking of the projects. We have utilized the service of the CPCRI, KVK, COA and RARS which are the R & D Institutions in the district. Their service is utilized in the form of training facilitation, organizing training programmes, expert advice and guidance for project preparation & quality implementation of the projects, soil testing & soil analysis, etc.
- h) Appraisal of Feasibility Study Reports (FSR):** Appraisal was conducted against the FSR draft submitted by the PFAs. In the reporting period 29 FSR were submitted. Appraisal was conducted in two stages viz. desk appraisal and field level appraisal of the FSR. The field appraisal was conducted jointly by NABARD & RSO.
- i) Sanction of FIP projects by NABARD:** In the reporting period, NABARD has sanctioned 29 FIP Projects. We have facilitated the project agreement execution process and guided the PFAs to prepare six months action plan and fund requirement.
- j) Preparation of training module:** Training modules for Feasibility Study Report (FSR) preparation in Watersheds, Agronomists Training, Technical Training for Final Implementation Phase (FIP) and Impacts of Watershed Projects were prepared.
- k) Project Review Meetings at various levels:** To review the progress in implementation and to have a coordinated implementation of the project, we had review meeting at two levels viz. at district level by participating Project Managers from all the projects and at Cluster Watershed level by participating VWC representatives and PFA. In the reporting period, 4 district level meetings and 6 cluster level meetings were organized.

Apart from the above activities, as RSO we have guided various Meetings (watershed committee, gramasabha, etc) in Watersheds, facilitated field level training programmes organized by the PFAs/VWCs, social audit process, documentation of success stories, technical guidance for the implementation of the project, etc.

An exclusive team with Project Leader, Engineer, Agronomist, Documentationalist, Social Scientist and Accountant are the team members of RSO project.

2) Technical Support Organization for IWMP

In the reporting period, Commissionerate of Rural Development, Government of Kerala has approved CRD as Institute to provide Technical Support for the effective implementation of Integrated Watershed Management Programme (IWMP) in the State in accordance with the Common Guidelines and the directions issued by the Department of Land Resources, Ministry of Rural Development, Government of India.

Parappa Block Panchayat vide a Resolution passed by the Board Meeting with No. 8 dated 02/02/2011 has selected and appointed CRD as its Technical Support Organization (TSO) to implement its Integrated Watershed Management Project (IWMP) viz. IWMP-1(D3), IWMP-II (E1) & IWMP-111(G1) covering a total area of 16738 Hecter.

3) Watershed Project Implementation

We are facilitating/implementing 13 Watershed Projects viz. 7 projects under NABARD Watershed Development Fund acting as Project Facilitating Agency and 6 projects under Western Ghat Development Programme (WGDP) of the Government.

3.1) Projects under WGDP

Under WGDP projects, we act as Project Implementing Agency for two projects and Project Support Organization for 4 projects.

3.1.1) Details of Watershed projects

SL No	Name of watershed	Grama Panchayat	Total area in Ha	Period of implementation	Role of CRD	Total project cost in Rupees
1	Konnakkad	Balal	975	2006-10	Implementing Agency	9344026
2	Deviyottukavu	Kankol - Alapadamba	610	2006-10	Implementing Agency	6882144
3	Kaliyadukkam	Pullur-Peria	612	2009-2012	Support Organization	4189113
4	Chalingal	Pullur-Peria	593	2009-2012	Support Organization	5022339
5	Podavoor	Kayyur-Cheemeni	475	2009-2012	Support Organization	4537500
6	Kothottu	Madikkai	397	2009- 12	Support Organization	3052500
Grand total			3662	-	-	33027622.00

Watershed Committees are being formed in all these watersheds as per the guidelines of WGDP to manage the implementation process at watershed level. This committee is being constituted with members selected from the Watershed Gramasabha. Entire project

fund from Government is directly being credited to the Bank Account of the Watershed Committee, annually.

3.1.2) Treatment Measures being implemented

The treatment measures are in four major heads. They are:-

- A) **Natural Resource Management (NRM):** It includes various engineering and agronomic measures for sustainable management of soil, water and bio resources. Engineering measures Implemented are stone bunds, earthen bunds, water percolation pits, farm ponds, ground water recharging structures, roof top rain water harvesting tanks, check dams, retaining wall construction, etc and Agronomic measure are live fencing, live check dams, vegetable cultivation, planting of seedlings of agriculture crops and timber value trees, etc
- B) **Production System Management (PSM):** This component has activities to enhance production and productivity in the sector of agriculture and allied activities. Main activities implemented are vegetable cultivation, vermi composting, bio-gas plants, planting of seedlings of agro forestry & agro horti crops, dairying, fodder grass cultivation, Azolla cultivation, etc
- C) **Livelihood Support Systems:** Various activities like dairying, back yard poultry are being implemented for the livelihood security of the poor families. This includes on farm and non farm activities. Skill trainings are given to the families involved in livelihood support programme.
- D) **Project Management:** This includes Community Organization, Capacity building Trainings & Awareness Generation Programmes, Participatory Rural Appraisal and Documentation. Need based training programmes are being organized for the watershed community.

3.2) Projects under NABARD-WDF

NABARD Holistic Watershed Development Projects (NHWDP) are being implemented with an aim to help farming community to overcome their distressed situation by earning more economic income from agricultural activities through enhancing production and productivity of crops by adopting scientific watershed management practices.

Under NHWDP, we act as Project Facilitating Agency (PFA) for 7 projects. All these watersheds have successfully completed Capacity Building Phase (CBP) and are in Full Implementation Phase (FIP). To facilitate the project, Watershed Development Team (WDT) is appointed for each Watershed with Project Manager, Engineer, Agronomist, Accountant and Social Worker.

Village Watershed Committee (VWC): The VWC, which is a formal registered body, is the arm of the Gramsabha for field implementation of the watershed project.

3.2.1) Details of the watersheds

SL No	Name of watershed	Grama Panchayat	Total area in Ha	Period of implementation	Total project Grant in Rupees
1	Pettikundu - Chanappamchal	Kayyur-Cheemeni	900	2008-13	12684926
2	Thaliyammada	Kayyur-Cheemeni	1075	2008-13	11998048
3	Neelimala	Kallar	1113	2008-13	14767609
4	Kuntar	Karadka	594	2008-12	6424444
5	Banatpady	Karadka	1231	2008-13	16058110
6	Kunjar	Badiadka	919	2008-13	12332043
7	Pallikandam	Pilikode	922	2008-13	13041764
Grant Total			6754	-	87306944

3.2.2) Inauguration of the Full Implementation Project (FIP)

The FIP of the Watershed Projects was inaugurated by Sri. K. Shasidhar, Chief General Manager, NABARD Kerala RO in a function at Cheemnei on 07 March 2011. Sri. M. Balakrishnana, President, Kayyur-Cheemnei Gramapanchayat presided over the function.

3.2.3) Interim Phase (IP) Project

To keep the flow of fund, IP Projects were sanctioned by NABARD for Kuntar, Banatpadi, Thaliyammada and Neelimala watersheds. A nano watershed was taken for IP in each of these watersheds. Kunatr & Banatpadi watersheds have completed the IP project implementation and progress in implementation is 80% in Thaliyammada and 75% in Neelimala in the reporting period.

3.2.3) Treatment Measures being implemented

- A) **Area & Drainage Line Treatment:** It includes various engineering and agronomic measures for sustainable management of soil, water and bio resources. Stone bunds, earthen bunds, water percolation pits, farm ponds, ground recharging structures, check dams, etc are the major engineering measures implemented and agronomic measure included are live fencing, live check dams, vegetable cultivation, planting of agro horti & agro forestry seedlings, agrostological measures, etc
- B) **Family based Livelihood programmes:** This is an integral part of the project. This is being implemented in revolving fund model. Concerned VWCs are the Revolving Fund Management Agencies (RFMA). Activities like Back yard

poultry, dairying, vegetable cultivation, betel vine cultivation, vermi composting, etc are the major activities.

C) Special programmes

We have two special programmes sanctioned by NABARD under the project. They are establishment of Farmer Participatory Seed Production & Seed Bank programme and Agricultural Service and Marketing Centre.

Farmer participatory seed production is the methodology envisaged in the seed bank programme. This is aimed at production of quality seeds of short term crops in sufficient quantity in the watershed villages and to make available the seeds to the farmers in time and in sufficient quantity. Taking the stock of demand for seeds of short term crops in the watershed villages and the selection process of farmers for seed production is in progress.

Various agriculture produces are being produced in the watershed areas. Community at present depends to marketing agents / traders outside the watershed area to sell their produces. In this practice, the farmers have no control over the market and pricing system. One alternative to this is to develop farmers' direct marketing system avoiding intermediaries. This is the concept behind Agricultural Service and Marketing centres in the watersheds. Through these centres being managed by VWCs, the producing farmers can sell their produces. Preliminary works to install the center is in progress.

D) Project Management: This includes Community Organization, Capacity building Trainings & Awareness Generation activities, Keeping of Records, Reports and Management Information System and Impact Monitoring.

Mitigating the issue of climate change through watershed projects

Increasing the vegetative cover is one of the best ways to address the issue of climate change. CRD as a development institution conceive the need to undertake activities to mitigate the climate change related problems. Following activities have been implemented in our watershed projects in this line.

- a) 23162 Running metres of vegetative fencing was completed
- b) 14 bio gas plants were constructed
- c) 30780 seedlings were planted under agro horti & agro forestry programmes
- d) 14793 Running metres of agrostological measures implemented

4) Watershed Project/ Master Plan Preparation

We prepare watershed project/master plan for the watersheds with which we have associated and on demand of other agencies / PRIs

4.1) For associated Watersheds

In the reporting period following Detailed Projects were prepared

SI No	Watersheds	Gramapanchayat	Funded by
1	Podavoor	Kayyur-Cheemnei	WGDP, Government of Kerala
2	Kaliyadukkam	Pullur-Peria	WGDP, Government of Kerala
3	Pallikandam	Pilikode	NABARD
4	Pettikundu-Chanappamchal	Kayyur-Cheemeni	NABARD
5	Kunjar	Badiadka	NABARD

4.2) Watershed Master Plan preparation under Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS)

Following watershed master plans were prepared by us during 2010-11

SI No	Watersheds	Gramapanchayat
1	Manoori	Kinanoor- Karinthalam
2	Kattipoyil	
3	Mayyanganam	
4	Mythalamkaya	
5	Parappachal	
6	Parappa- Karottapadavu	
7	Kinanoor	
8	Banatpady-I	Karadka
9	Banatpadi-II	
10	Kuntar	
11	Barkolu	

5) Capacity Building Trainings & Awareness Building Programmes

Capacity Building Trainings are for different stakeholders like PRI Representatives & Personnel, Community, NGOs, Students and Watershed Development Team. Following are the Capacity Building Training Programmes conducted during the reporting period.

5.1) Trainings under NABARD-WDF

With the support of NABARD in the reporting period, we have conducted 13 Training programmes viz. Agronomists training- 1 No, Training on Feasibility Study Report Preparation of Watershed Projects – 6 Nos, Project Planning and Management cum Exposure- 5 Nos and Training on impact Assessment of Watershed Projects- 1 No. following are the details of the training programmes conducted. Total 332 persons were trained. Following are the details.

SL No	Programme	Period	Venue	Total participants
1	Agronomists' Training	19 – 20 April 2010	CRD	29 Agronomists
2	Training on preparing of Feasibility Study Report(FSR) of Watershed Projects	28-30 June 2010	CRD	29 from 3 Watersheds (Mallam-II, Barkol & Puthiyaparamba-Thavanam)
3		01-03 July 2010	CRD	26 from 3 Watersheds (Sarolimoole, Bejja & Belluru-Kaniyala)
4		08-10 July 2010	CRD	28 from 3 Watersheds (Korikar, Permude & Bellarkaje-Narodi)
5		12-14 July 2010	CRD	30 from 3 Watersheds (Mallam-II, Barkol & Puthiyaparamba-Thavanam)
6		19- 21 July 2010	CRD	21 from 3 Watersheds (Pallathadka, Kundappu & Kidoor-Ambiladka)
7		26-28 July 2010	CRD	27 from 3 Watersheds (Kadar, Mugu & Konibail)
8		Project Planning and Management (PPM-I) cum Exposure Training	03- 05 May 2010	CRD
9	06- 08 May 2010		CRD	23 Persons from 2 Watersheds (Muttachira & Chinnamoolathara) from Palakkad DT
10	13-15 May 2010		CRD	21 Persons from 2 Watersheds (Punchapadam & Cherambi) from Palakkad DT
11	17- 19 May 2010		CRD	20 Persons from 2 Watersheds (Moonjilmada & Sarkarpathi) from Palakkad DT
12	20- 22 May 2010		CRD	24 Persons from 2 Watersheds (Moolamthod & Nadupathy) from Palakkad DT
13	Training on Watershed Impact Assessment	30 October 2010	CRD	31 WDT Members

5.2). Trainings under WGDP

17 Training /exposure visit programmes were conducted under WGDP during 2010-11

SL No	Trainings	Duration	No. of programmes
1	Watershed exposure programmes for watershed community	1 day	02
2	Training on watershed management for the watershed community	1 day	05
3	Beekeeping	1 day	02
4	Animal husbandry	2 days	02
5	Organic farming	1 day	01
6	Scientific farming practices/ POP in agriculture	1 day	01
7	Fodder grass and Azolla cultivation	1 day	02
8	Watershed study and DPR preparation	2 days	02
Grant total			17

5.3) Other trainings

1) Training of Trainers (TOT) on Watershed Management at CPCRI

This 14 days training programme was conducted by CPCRI during 14-27 January 2011. We have mobilized 30 extension workers in watershed projects. We have also provided resource support for 6 sessions for the training programme.

2) Orientation Training on IWMP.

Since Parappa Block Panchayat has selected and appointed CRD as its Technical Support Institute to implement its Integrated Watershed Management Project (IWMP), we have in association with the Block Panchayat has conducted one day orientation training on 17 February 2011 at Parappa in which the Elected Representatives and the Block level officers have attended.

3) As RSO, we at our level have conducted following programmes to equip the Watershed Development Team.

SL No	Programme	Period	Venue	Total participants
1	Engineers Training	23 April 2010	CRD	27 Engineers
2	Case Study Preparation Training	04 October 2010	CRD	Selected 11 WDT Members
3	Workshop on FSR Performa filling & Text preparation	26 October 2010	CRD	15 WDT Members

5.4) Preparation of Information Education and Communication (IEC) materials

Following IEC materials are prepared in the reporting period

1. A brochure on 'jeevanam' (Integrated watershed management programme) with theoretical aspects of watersheds and photographs of watershed management treatment measures.
2. Reading material on Agronomy
3. Hand out on Detailed Project Preparation (DPR) of watersheds
4. Reading material on Impacts of Watershed Projects

II. 'Safalam'- Sustainable Agriculture through Farm and Land Management.

1) Preparing of a registry of 100 progressive farmers

This project assisted by NABARD under Farmer's Technology Transfer Fund (FTTF) aims at preparing a registry with details on the farm practices of 100 progressive farmers from Kasaragod DT. Our team members visited the farmers and farm field to collect data/information. The Project Monitoring Committee (PMC) with the participation of NABARD, Scientists from CPCRI, RARS, KVK, subject experts from line Departments (Agriculture, Dairy and Animal Husbandry) and Banks has approved the draft of the Registry and the same is submitted to NABARD for final approval for printing.

2) Onsite Technical Guidance Programme

We have been providing onsite technical guidance to the farmers in improving their farm practices. Technical guidance is given in the areas of soil & water conservation, organic practices, nutrient management, crop husbandry, etc. Service is also given to the farmers/farmer's groups in the form of project preparation to avail bank loan. All these services are being given at free of cost.

3) Farmer - Scientist interaction program

We have mobilized about 120 farmers from our watershed projects to attend farmer-scientist interaction programme organized by Dooradharshan under its 'Krishidharshan' programme in association with CPCRI, Kasaragod on 05 March 2011 at CPCRI campus, Kasaragod.

4) National AMLA Project

In association with OISCA International, under National AMLA Project, we have planted 200 gooseberry saplings in our Watersheds. The programme was inaugurated by Sri. N. Gopalan, DDM, NABARD, Kasaragod at Padikkeel School in our Pallikandam Watershed on 15 June 2011.

5) Training programmes

5.1) In association with KVK of CPCRI, Kasaragod, we have conducted following trainings to the farmers

- Training on vermi composting on 19/06/2010 – 1 No
- Trainings on fodder grass cultivation on 20/06/2010 & 16/03/2011- 2 Nos
- One Training on cow farming on 17/06/2010- 1 No
- One Training on intercropping in coconut garden on 26/08/2010- 1 No

5.2) Training on sustainable agricultural practices at Regional Agricultural Research Station (RARS), Pilikode

RARS has conducted the training during 22-30 March 2010 at Pilikode. We have mobilized about 30 farmers to attend this training programme.

III) Studies

1) Feasibility Study of Watersheds

We have conducted Feasibility Study of 3 Watershed Projects viz. Pettikundu-Chanappamchal, Pallikandam and Kunjar. The study involves Detailed Soil Survey, PRA, Water Balance Study, Study of Water Resources, Socio-Economic Studies, Assessment of the specific needs of the Watershed and preparation of various thematic Maps. The study was supported by NABARD.

2) Participatory Action Research (PAR) in livelihood

We have initiated a PAR on livelihood in Banatpadi Watershed. The activity for the PAR is back yard poultry for the SC families. The objective of the PAR is to initiate a participatory process at all stages of the livelihood activity and to document the roles and responsibilities performed by the families, who have associated with the activity for its success. There are 16 families under back yard poultry scheme. The PAR is in progress.

IV) Observing World Environment Day (WED) 2010

In all our watershed villages, WED was observed on 06 June 2010 by organizing sensitization programmes and planting of saplings/seedlings. The environment protection jadha performed by students of Puliyanur UP School in Thaliyamada Watershed was a notable programme. The VWC of Thaliyamada has conducted a painting competition on environment protection for the students on the day.

V) Extension activities through participation in seminars and exhibitions

1) Participated the 13th Biennial Conference of the International Association for the Study of Commons (IASC) at Hyderabad

CRD has attended the 13th Biennial Conference of the IASC held at Hyderabad between 10th and 14th January 2011 which was inaugurated by Dr. Elinor Ostrom, who was conferred the Nobel Prize for Economics (2009). The theme of the IASC 2011

Conference was 'Sustaining Commons: Sustaining our Future'. About 800 eminent scholars from 70 countries participated in the Conference.

Apart from the Conference CRD attended the NABARD Practitioners' Exchange Program (NPEP) and the Exhibition. The goal of the NPEP was to promote exchange and build capacity of a new generation of practitioners who are able to address critical issues related to the management of the commons. It started on 7 January 2011 and concluded on 18 January 2011 including Conference and an exhibition. 3 days field exposure to the selected project areas in Hyderabad & Karnataka State was also part of the programme.

Exhibition: We have been provided with a stall in the Exhibition. We have presented and demonstrated our experience in watershed development activities in the stall during 10-14 January 2011.

2) Participated in the Technology Week- Akshaya 2010 at KVK - CPCRI, Kasaragod

CRD has participated in the Technology Week-Akshaya 2010 organized by Krishi Vignan Kendra of Central Plantation Crops Research Institute (CPCRI), Kasaragod during 14-18 December 2010.

There was an exhibition on Agriculture Technology. We have been provided with a stall where we have exhibited and demonstrated the technologies implemented in its project areas of agriculture and watershed management. Scientists, Experts, Farmers and School Students from various places visited the stall.

VI) Visits

1) Visit by NABARD Officers

- Sri. K. Shashidhar, Chief General Manager of NABARD Kerala RO visited the Cluster X on 07 March 2011. His visit and speech has motivated the watershed community, VWC and the PFAs.
- On 08 October 2010, Sri. Balachandran, DGM, NABARD Kerala RO & Sri. Mashar, AGM NABARD Head Office along with Sri. N. Gopalan, DDM, NABARD, Kasaragod and Sri. N. Vikraman, AGM, Watershed Cell, NABARD Kerala RO have visited Banatpadi watershed project and interacted with the community, VWC and WDT.

2) Appraisal Visit by the State Programme Officer, Watershed & Training, GOK

Sri. R. Anilan, State Programme Officer, Watershed & Training, Commissionerate of Rural Development, GOK has conducted appraisal visit to CRD on 08 October 2010 against the application of CRD for State level accreditation by Government to prepare Watershed Master Plan under MGNREGS.

3) Visit by faculty and PG Students of Social Work Department, St. Joseph's College, Pilathara

This visit was conducted on 05 August 2010 by the department to CRD to learn the development activities of CRD.

4) Visit by Faculty and BSc Agriculture Students from College of Agriculture (COA), Padanakkad

This visit was conducted on 02 November 2010 to CRD by COA students to learn the activities of CRD in agriculture and rural development and the functioning of the organisation

5) Visit by Training participants

- The training participants of RARS have visited our Pallikandam Watershed area on 28 March 2011 to learn the implementation of watershed management programmes.
- On 04 May 2010, the PPM-I training participants from Palakkad DT has visited our Thaliyammada Watershed Project
- On 07 May 2010, the PPM-I training participants from Palakkad DT has visited our Pallikandam Watershed Project
- On 21 May 2010, the PPM-I training participants from Palakkad DT has visited our Thaliyammada Watershed Project
- On 28 May 2010, the PPM-I training participants from Palakkad DT has visited our Palikandam Watershed Project

VII) Infrastructure development of CRD

Purchase of land

To improve the infrastructure facility of the organization, we have purchased a land of 36.50 cents in Madikkai Village. A master plan for developing a rural training campus is under preparation.

Regional Office

We have opened a new regional office of CRD at Kumbla to coordinate the activities in the Northern Region.

Web site

A web site of CRD was created in the reporting period. Now any one can access information about CRD at www.crdksd.org

VIII) Micro Insurance Programme

In the reporting period, we have associated with Life Insurance Corporation of India under its 'Jeevan Madhur Programme' to cover the rural poor people under insurance coverage. So far 1500 families have been covered under the scheme.

IX) Staff capacity building trainings

a) Internal

SL No	Trainings	Duration	No. of programmes	Total participants
1	Result Focused Participatory Monitoring and Evaluation	3 days	01	18
2	Group dynamics and team building	2 days	01	28
3	Watershed Management to the newly appointed staff	2 days	01	08
4	Training on Agronomy	1 day	01	09

b) External

SL No	Trainings	Duration	Agency/Institution
1	Training on Windows and Office Productivity	6 days	National Institute of Rural Development(NIRD), Hyderabad
2	IWMP Workshop	1 day	Kozhikode
3	Capacity Building and Awareness generation on Gender	4 days	Indian Social Institute, Bangalore
4	Organisational Management Training	8 days	HABITAT Library, New Delhi
5	Orientation training for NGOs	1 day	State Social Welfare Board at Collectorate, Kasaragod
6	GIS Training	5 days	IRTC, Palakkad

IX) Participation in other programmes

SL No	Date	Programmes	Location/ Venue
1	08 Dec 2010	State level meeting on IWMP	Commissionerate of Rural Development, Thiruvananthapuram
	05 Jan 2011	State Credit Seminar	NABARD Kerala RO
2	07 Oct 2010	State level Review of Watershed Projects of NABARD	NABARD Kerala RO, Thiruvananthapuram
3	27 Jan 2011	Review Meeting of Micro Insurance Programme of LIC	Kozhikode
4	20 Oct 2010	DLCC Meeting (WGDP Watershed)	Collectorate , Kasaragod
5	19 Nov 2010	DLCC Meeting (WGDP Watershed)	Collectorate , Kasaragod
6	29 Dec 2010	DLCC Meeting (WGDP Watershed)	Collectorate , Kasaragod
7	29 Dec 2010	DLCC Meeting (WGDP Watershed)	Collectorate , Kannur
8	17 Jan 2011	DLCC Meeting (WGDP Watershed)	Collectorate , Kannur
9	18 Feb 2011	DLCC Meeting (WGDP Watershed)	Collectorate , Kannur

X) Monitoring and Evaluation

We have a participatory system of monitoring and evaluating of all our activities/programmes. All the Staff has specific Annual Action Plan. Activities at Project level are being monitored by the concerned Project Team using Project Action Plan. Project team will plan works on a weekly basis.

At Cluster level and CRD level, all the projects will be monitored in Monthly Review Meetings. Each staff will present their Personal Action Plan which is subjected to discussion and future planning. We have a system of Half Yearly Evaluation of all the programmes to know the results generated and to have necessary modifications for better performance.

Our Supporters

- Western Ghat Cell, Government of Kerala
- NABARD
- Government Departments
- CPCRI
- KVK
- Grama Panchayats
- Block Panchayat
- LIC of India
- Academic Institutions
- NGOs

A word of Thanks

We could facilitate various activities/programmes in development with the generous support and guidance from all our supporters. We thank all the agencies/institutions who supported us through providing grants and guidance/advice. We also thank all the community members and grass root level people's institutions associated with us in the process of making our vision and objectives happen.

We thank all our Governing Board Members who guide us in all our endeavors. We are thankful to our staff team for their committed and dedicated service in facilitating developmental interventions.
