

CENTRE FOR RESEARCH
AND DEVELOPMENT
(CRD)



ANNUAL REPORT
2011-2012

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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 reporting period, The Local Self Government Department of Government of Kerala have accredited CRD as one of the Service Providers to implement Sanitation programmes through the Gramapanchayats.

In the reporting period, we have completed the participatory study project supported by NABARD to explore the farm practices of 101 select farmers and to publish the details in a book form. This book, lead farmers series-I was released by the CGM, NABARD.

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 for three years. On successful completion of the implementation of RSO project, NBARD has extended the project for two more years.

It is a great achievement for us that CRD to prepare Detailed Project Reports (DPR) for the three cluster watershed projects with a total area coverage of 16738 Ha under Integrated Watershed Management Programme (IWMP) of the Government in Parappa and Kanhangad Block Panchayats of Kasaragod DT. The project was approved by the District Planning Committee and is submitted to the State Level Nodal Agency.

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.

In this period, we have conducted Capacity Building & Training Programmes for various stakeholders like Gramapanchayat Representatives, Watershed Development Team, Village Watershed Committees and Watershed Community.

We keep meaningful association with Research & Development institutes in the areas of Trainings and Watershed & Agricultural Development programmes._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).

The report on activities for the year 2011-12 explains the activities implemented by us in detail during the year. At this moment, we thank all the Agencies supported us in actualizing various developmental activities. 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
- 5) Income Tax Deduction Account Number (TAN) - CHNC03719C

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 2011-12

I. Jeevanam (Integrated Watershed Management Programmes)

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).

Considering the achievements of CRD as RSO, NABARD has extended the RSO project to two more years ie till March 2014.

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-Pallanji	Kuttikol	FLAME	1106	13310000
35	Pudiyaparambu-Thavanam	Kuttikol	FLAME	937	13392400
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	IP (for 10 Projects only)	FIP(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) **Monitoring Study Visits (MSVs):** Monitoring Study Visits are being conducted every six months to all the watersheds. This scientific study will assess the performance of the watersheds in mobilizing the community and scientific implementation of the project activities. The report of the MSV is mandatory for replenishment of subsequent installments to the watersheds. In the reporting period 35 MSVs were conducted to the watershed projects.
- c) **Meeting of Chief Executive Officers (CEOs) of PFAs:** There are 2 Gramapanchayats, 10 NGOs and 1 Farmers' Club acting as Project Facilitating Agencies. In each quarter, RSO conduct meeting of the CEOs of the PFAs to analyse the progress in project implementation. The meeting will also assess the issues and best practices in the watersheds and plan for effective implementation of the project. We had 04 Meetings of CEOs during 2011-12(viz. 30 May 2011, 8 August 2011, 14 September and 23 December 2011).
- d) **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.
- e) **Appraisal of Feasibility Study Reports (FSR):** Appraisal was conducted against the FSR draft submitted by the PFAs. In the reporting period all the remaining 6 watershed projects submitted FSR. 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.
- f) **Sanction of FIP projects by NABARD:** In the reporting period, NABARD has sanctioned 6 FIP Projects against the final FSR submitted by the PFAs through CRD (RSO). We have facilitated the project agreement execution process and guided the PFAs to prepare six months action plan and fund requirement. With this, FIP projects of all the 35 watershed projects were sanctioned by NABARD.
- g) **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, 9 district level meetings and 6 cluster level meetings were organized.

h) Preparation of implementation plan in FIP and meeting with PFAs

To have uniformity in implementation of FIP, we have in consultation with NABARD RO prepared an implementation plan. Separate meeting with each PFA have been conducted in the month April 2011 to present the plan and to prepare the action plan in FIP.

i) State level review meeting at NABARD Kerala RO

We, as RSO have presented the district level progress and success stories in the state level review meeting of the NHWDP conducted by NABARD Kerala RO at Thiruvananthapuram on 09 December 2011.

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 on various topics, 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

CRD is one of the Institutes empanelled by Government 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.

CRD is the Technical Support Organization (TSO) to Parappa Block Panchayat for its Cluster watersheds under IWMP. In the reporting period, we have prepared the Detailed Project Report (DPR) for the cluster watershed projects viz. IWMP-1(D3), IWMP-II (E1) & IWMP-111(G1) covering a total area of 16738 Hector. CRD is the first TSO to prepare a DPR for the IWMP projects in the state. We have followed a participatory methodology to prepare the DPR. The process involves watershed delineation, detailed soil survey studies, plot wise net plan survey, livelihood planning, preparation of thematic maps in GIS, etc. The DPR prepared has been presented at watershed level, Gramapanchayat level, Block Panchayat level for a second appraisal. The draft of the DPR was presented at District level expert meeting in which the experts from CPCRI, RARS, District heads of Soil Conservation & Soil Survey Departments, Officials from PAU and Geologists and soil scientists were attended. The DPR was approved by the District Planning Committee and was submitted to the State Level Nodal Agency.

3) Watershed Project Implementation

At present we are facilitating/implementing 14 Watershed Projects viz. 7 projects under NABARD Watershed Development Fund acting as Project Facilitating Agency and 7 projects under Western Ghats Development Programme (WGDP) of the Government.

3.1) Projects under WGDP

Under WGDP, we act as Project Implementing Agency for three projects and Support Organization for four 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
7	Nalilamkandam-Kuttamath	Kayyur-Cheemeni	865	2010-2014	Implementing Agency	713625
Grand total			3662	-	-	33741247.00

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

3.2.3) 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. IP project was in implementation in Thaliyammada and Neelimala Watersheds. During the reporting period, IP projects were completed in these two watersheds.

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 as revolving fund mode. 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.

Detailed project report preparation process for livelihood programme is in progress. RO has prepared operation guidelines for revolving fund assistance, maintenance fund, activities for agronomic interventions and training & demonstration programme. We have translated the same to Malayalam.

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 of short term vegetable crops and Agricultural Service and Marketing Centre.

Seed Bank programme 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. The pilot programme was inaugurated by Sri. N. Gopalan, DDM, NABARD Kesaragod in a function organized at Regional Office of CRD at Kumbla on 29/09/2011. During the reporting period, the programme was successfully implemented in 10 watersheds including Kunjar and Thaliyammada watershed projects being facilitated by CRD. In Thaliyammada watershed the seed bank programme was implemented in Open Jail, Cheemeni. Necessary training and field level facilitation support was given to the farmers, apart from financial incentives. The seeds were procured and the VWCs sold it to the farmers and other VWCs. CGM, NABARD along with the Officers from NABARD Kerala RO and DDMs have visited the seed bank programme at Kunjar Watershed.

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.

3.2.4) Presentation of the treatment measures to be implemented at Open Jail compound in the Jail Advisory Committee Meeting.

Various soil and water conservation activities were planned to be implemented in the open jail campus under FIP of Thaliyammada WS. To have a common understanding and to get necessary permission to implement the activities, we have presented the treatment measures to be implemented at open jail compound, in the Jail Advisory Committee meeting held at Open Jail on 12 July 2011

3.2.5) Inauguration of planting of coconut saplings by Dr. Alexandar Jacob, ADGP, Jails

Planting of coconut saplings at Open jail campus under Thaliyammada watershed project was inaugurated by Dr. Alexander Jacob, ADGP Jails on 12 July 2011. District sessions Judge, District Collector, Kayyur-Cheemeni Gramapanchayat President, etc were attended the function.

3.2.6) Haritha Gramam Programme

The Haritha Gramam Programme through planting of various tree saplings was inaugurated in Thaliyammada Watershed on 6 June 2011 by Sri. K. Kunhiraman, MLA, Thrikarippur in a function organized at Open Jail building. Sri. N. Gopalan, DDM NABARD Kasaragod presided over the function.

3.2.7) Mavu Gramam Programme:

Mavu Gramam Programme was implemented in the Pettikundu-Watershed project in the reporting period. Mango saplings were planted in all the homesteads of the watershed. The programme was inaugurated by Sri. N. Gopalan, DDM, NABARD Kasaragod in a function organized at Chanadukkam School on 6 June 2012 as part of observing world environment day.

3.2.8) Fruit tree village programme

Fruit tree village programme was implemented in Banatpadi watershed by planting about 7 items of fruit tree saplings in each homestead. The programme was inaugurated by Srmt. Jayalakshmi Bhat, President Karadka GP in a function organized at Adhur School on 19 December 2012.

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 Detailed Project Reports were prepared

Sl No	Watersheds	Gramapanchayat	Funded by
1	Nalilamkandam-Kuttamath	Kayyur-Cheemnei	WGDP, Government of Kerala
2	Kothottu	Madikkai	WGDP, Government of Kerala
3	3 Cluster watersheds	Various Gramapanchayats in Parappa and Kanhangad Block Panchayats	IWMP, Government of Kerala

4.2) Watershed project prepared for MG University Campus

Through an invitation from Sri. R.Anilan, Visiting faculty of the School of Environmental Sciences, MG University, we have associated with the preparation of watershed project to be implemented in the MG University campus, Kottayam.

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 the following Training programmes.

SL No	Programme	Period	Venue	Total participants
1	Agronomists' Training	18 April 2011	CRD	35 Agronomists from Watershed projects
2	Engineers' Training	19 April 2011	CRD	35 Engineers from Watershed projects
3	MIS training	20-22 June 2011	CRD	33 persons comprising of PRI representatives, VWC members and WDT from Watershed projects in Palakkad DT

5.2). Trainings and exposure programme under WGDP in various watersheds

SL No	Trainings	Duration	No. of programmes
1	Watershed exposure programmes for watershed community to Dindigal , Tamilnadu	3 days	01
2	Training on watershed management for the watershed community	1 day	05
3	Animal husbandry	2 days	02
4	Organic farming	1 day	01
5	Scientific farming practices/ POP in agriculture	1 day	02
6	Training on watershed master plan preparation	1 day	01
Grant total			12

5.3) Other trainings

- 1) **Participatory Net planning training programme in IWMP watershed projects**
We have conducted 3 Participatory Net planning training programme in each cluster watersheds of IWMP.
- 2) **Training programmes in NHWDP Watershed projects**
To capacitate the watershed community, VWC, etc we have conducted MIS training, Technical training on watershed management, seed production & seed bank training, Supervisors' training, etc in all the seven NHWDP watersheds of CRD.
- 3) **Training to the inmates of the Open Jail, Cheemeni on seed bank**
On 5 July 2011 we have conducted training to the inmates of the Open Jail at Cheemeni on seed production of vegetable crops and seed bank.
- 4) **Training on watershed management under IWMP.**
We have conducted training programme on basic concepts of watershed management to the watershed committee leaders and PRI representatives in the micro watersheds of 3 Cluster watershed projects under IWMP of the Parappa Block panchayat.
- 5) As RSO, we at our level have conducted following programmes/provided technical support for training programmes to equip the Watershed Development Team. Major programmes are listed below.

SL No	Programme	Period	Venue	Total participants
1	Training to the WDT & VWC representatives of three WSs of the PFA(MIDA)	6 May 11	Mallam	30
2	MIS training to the PFAs in FIP	8 June 11	CRD	15 representatives of the PFAs
3	Meeting cum training for WDT and VWC representatives of 4 Watersheds of GSGSK	24 June 11	Badiadka GP hall	30
3	One day Training to the PFA representatives on how to prepare replenishment formats and QPR format	25 September 11	CRD Office	15 representatives of the PFAs
4	Refresher training for the	23 November 2011	CRD,	25

	Agronomists on seed bank and other agronomic interventions		Nileshwaram	
5	Refresher training for the Engineers on watershed treatment measures	24 November 2011	CRD, Nileshwaram	26

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

1. We have prepared a brochure in multi colour on CBP experience of CRD under NHWDP and the same was released by the Sri. Shashidhar, CGM, NABARD Kerala RO in a district level review meeting organized at Vorkady on 14/09/2011
2. A poster in multi colour was prepared by us for awareness generation on watershed management. This was released by Sri. Shashidhar, CGM, NABARD Kerala RO on 'jeevanam' (Integrated watershed management programme) with theoretical aspects of watersheds and photographs of watershed management treatment measures.
3. We have prepared the location map of NABARD Watershed Projects in the District map. It was released by Sri. Shashidhar, CGM, NABARD Kerala RO during the review meeting at Vorkady on 14/09/11.

6) Training need assessment and Preparation of training plan

We have conducted training need assessment through a participatory exercise for various stakeholders of IWMP watershed projects. Based on this need assessment we have prepared detailed module for trainings in the areas of agriculture, watershed management, community organisation & institutional strengthening, management aspects, livelihood activities, gender, environment, etc. The module was prepared for farmers, watershed committees, PRI representatives, officials, women, livelihood beneficiaries and school children.

7) PRA programme

As part of IWMP, we have conducted PRA programme in all the 35 Micro watersheds during November- December 2011. Elected representatives, Watershed committee representatives and farmers have participated in the PRA programme. Watershed area map, water seasonality diagrams, Historical time line of the area, inflow and outflow analysis, pair wise and matrix ranking & scoring tools were applied. Based on the data/information collected problem analysis exercise was also conducted. PRA report was prepared and included in the DPR.

8) Livelihood planning under IWMP

Livelihood and micro enterprise is one of the major areas of IWMP watershed projects. To analyse the present livelihood scenario and to propose new livelihood and micro enterprise activities, we have conducted livelihood planning meetings participating PRI representatives, watershed committee leaders and the Kudumbasree representatives in all the watersheds under IWMP project areas. The prepared plan was incorporated in to the DPR.

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

1) Completion of Participatory Study and Preparing of a registry of 101 progressive farmers

This project to study to explore the farm practices of 101 farmers and to publish a book was assisted by NABARD under Farmer's Technology Transfer Fund (FTTF). We have completed the filed study and prepared the book titled Lead Farmers Series-I. The book was released by Sri. K. Shashidhar, CGM, NABARD Kerala RO in a function held at Vyparabhavan, Kanhangad on 5

January 2012. The programme was presided over by Sri. Krishnan, President, Block Panchayat Kanhangad. The book was released in the esteemed presence of Sri. Balakiran IAS, Sub Collector, Scientists, Officials, NGOs. The 101 farmers attended the function.

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) Training programmes

- Training on farm management at KVK, Kasaragod. We have participated 10 farmers from our Kunjar and banatpadi Watersheds
- Training on water productivity in agriculture organized at CPCRI during 1-2 December 2012. We have participated 15 persons in the programme
- Training on scaling up of water water productivity in agriculture organized at CPCRI during 02 -06 December 2012. We have participated 10 of our WDTs in the programme.

III) Feasibility Study of Watersheds

We have facilitated and guided Feasibility Study of 4 Watershed Projects during the reporting period. 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.

IV) Observing World Environment Day (WED) 2010

In all our watershed villages, WED was observed on 06 June 2011 by organizing sensitization programmes and planting of saplings/seedlings.

V) Extension activities through participation in seminars and exhibitions

Participated the Exhibition on watershed management at RARS Pilikode

We have been provided with a stall in the Exhibition organized at RARS Pilikode during 17- 24 December 2012. We have demonstrated various methods and approaches of soil and water conservation on a watershed basis in the exhibition.

VI) Visits

1) NABARD Officers

- Sri. K. Shashidhar, Chief General Manager of NABARD Kerala RO along with Sri. K.R. Rao, General Manager, Smt. Janaki Deputy General Manager, DDMs and other NABARD Officers have visited Kunjar Watershed project on 2 February 2012.

2) Visit by Dr. S.N. Rao, Associate Professor, NIRD

As part of an assessment study of the IWMP process, Dr. S.N. Rao, Associate Professor of National Institute of Rural development (NIRD), Hyderabad had visited CRD and the IWMP filed on 01 February 2012.

3) Visit by KVK Team

Scientists and experts from KVK of CPCRI have visited Kunjar and Banatpadi Watersheds on 5 December 2012, 19 December 2012 and 31 December 2012. The visit was as part of appraising various soil and water conservation activities implemented in the watershed.

4) Visit by team from IRTC

On 25 January 2012, a three member team from IRTC, Palakkad under the leadership of its Director had visited CRD Office and Thaliyammada & Pettikundu-Chanappamchal Watershed projects to know the activities and functioning of RSO.

5) Visit by Agriculture Officer, Badiadka to Seed bank programme of Kunjar

AO, Badiaka Krishibhavan have visited seed bank programme at Kunjar watershed on 29 January 2012.

6) Visit by School children to Kunjar Watershed

To learn the water activities implemented, students from Bela School have visited Kunjar Watershed on 27 January 2012

VII) 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.

VIII) Staff capacity building trainings

a) Internal

SL No	Trainings	Duration	No. of programmes	Total participants
1	MIS training	1 day	01	28
2	PRA orientation	2 days	01	28
3	Seed bank	1 day	01	08
4	Orientation to Engineers and agronomists	1 day	01	16

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	Orientation training for NGOs	1 day	State Social Welfare Board at Collectorate, Kasaragod
5	GIS Training	5 days	IRTC, Palakkad

IX) Participation in other programmes

SL No	Date	Programmes	Location/ Venue
1	21 Oct 2011	Workshop on women's collective farming	Pariyaram, Kannur DT
2	1 Mar 2012	Agriculture Seminar	SIRD, Kottarakkara
2	26-27 Mar 2012	IWMP workshop	NABARD Kerala RO, Thiruvananthapuram

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 Panchayats
- 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.
