

Watershed Development & Management Centre (WMC)

SIRD, Yashada

Background

Of late, policy makers and administrators are increasingly feeling the need for holistic approach to rural development. Often one of the problems being encountered to achieve desired goal in rural development is the affordable and equitable availability of water. In this direction Government of Maharashtra is implementing watershed development programme throughout the State involving all concerned departments, NGOs and PRIs. In view of the gravity of situation the approach and implementation has changed to a great extent. All stakeholders are being involved and efforts are made to seek active participation of all in order to get desired success.

In this scenario, the Central & State governments are striving always in evolving suitable watershed development policies & programmes. Along with comprehensive policy planning, also needed is to have a proper coordination between direct & indirect stakeholders crosscutting all the levels and monitoring mechanism vis-à-vis government regulation. YASHADA being the State Apex Institute may play a leading role in capacity building, monitoring & evaluation, studies & documentation and policy advocacy. YASHADA may also take up a lead role to find out and device a mechanism to develop a strong linkage between programme funds and effective implementation of watershed programme. The Watershed Development & Management Centre was established in YASHADA in २००४.

Objectives

- To undertake capacity building of major stakeholders
- To develop an effective network in watershed development activities
- To ensure effective functioning of Government-aided Schemes as major source of funds in watershed development activities
- To conduct action research and evaluation studies in selected watersheds and suggest ways of effective implementation

Institutional partners

National Level:

- National Rainfed Area Authority (NRAA), Ministry of Agriculture, Government of India, New Delhi
- Department of Land Resources (DoLR), Ministry of Rural Development, Government of India, New Delhi
- National Institute of Rural Development (NIRD), Hyderabad
- Council for Advancement in Participatory Rural Technology (CAPART), New Delhi

State Level:

- Department of Water Conservation, Government of Maharashtra, Mumbai
- Department of Employment Guarantee, Government of Maharashtra, Mumbai

- Department of Agriculture, Government of Maharashtra, Mumbai
- Vasundhara Watershed Development Agency (SLNA). Mantralaya, Mumbai

District Level:

- Collectorate
- Zilla Parishad
- DRDA
- All line departments (Agri., A.H., GSDA, Soil & Water conservation etc.)
- NGOs
- Training & Support Institutes
- Agri . Line Dept.

Block Level:

- Panchayat Samiti
- Project Implementing Agency (PIA)
- All line departments
- NGOs

Village Level:

- Gram Panchayat & Watershed Committee members
- Watershed Development Team (WDT) members
- User Group
- Self Help Groups
- JFM Committee members

Activities

In accordance to the objectives and based on the needs of the stakeholders following activities are undertaken by the Centre.

Executive Summary of Integrated Watershed Management Centre

The Common Guidelines-२००८ (Revised २०११) for watershed projects lays strong emphasis on participatory watershed development for livelihood promotion through capacity building and institutional building, underlines involvement of resource organizations and offers to form resource networks for ensuring multi-disciplinary inputs.

‘Vasundhara State Level Nodal Agency’ [VSLNA], Maharashtra entrusted YASHADA, Pune to draft ‘Capacity Building Strategy’ for IWMP to be implemented in the State. The strategy proposes cross-cutting framework ensuring to reach out all stakeholder levels. It was discussed in the core group meeting and principally accepted.

In the context of the shifting paradigm from national level, it was a proactive decision of Hon. Director General to initiate brainstorming on the Common Guidelines-२००८ (२०११). This marked the beginning of YASHADA’s active participation in IWMP

(Integrated Watershed Management Programme). Following activities give a clear indication of WMC's role and efforts in promoting IWMP in the State. Apart from IWMP there is other Project also for which capacity building Programs are conducted.

Watershed component is now a part of PRADHAN MANTRI KRISHI SINCHAYEE YOJANA (PMKSY). The Illustrative Activities of PMKSY are: (A) Water Harvesting Structures such as Check Dams, Nala Bund, Farm Ponds and Tanks etc.

(B) Capacity Building, Entry Point Activities, Ridge Area Treatment, Drainage Line Treatment, Soil and Moisture Conservation, Nursery Raising, Afforestation, Horticulture, Pasture Development, Livelihood Activities for the Asset- less Persons and Production System & Micro Enterprises for Small and Marginal farmers etc.

(C) Effective Rainfall Management like Field Bunding, Contour Bunding/Trenching, Staggered Trenching, Land Leveling, Mulching etc.

Capacity Building under Integrated Watershed management Programme (IWMP)

Given below are the details and information about Training and Capacity Building programmes conducted under three programmes namely-

- Integrated Watershed Management Programme (IWMP),

Activities at WMC:

- Preparation of training Modules: WMC has developed 02 training modules for IWMP.
- Out reach programmes for RTS (STP) and various subjects by State Resource

Organization.

- Inhouse Training Programme of IWMP, STP Agri. Dept. for Grade A Officers and NIRD & PR.

Research and Evaluation —

Third party Evaluation of Capacity Building & Training under IWMP project by Yashada and SRO over the period of time i.e. २०१४-१५ & २०१५-१६, conducted by Centre for development Communication & Studies (CDECS), Jaipur-

Human Resource —

- Faculty and staff : The Centre is headed by the Head of Department (HOD) supported by २ Project Assistant.
- Resource Person : the Centre has a strong network of resource persons from almost all disciplines of watershed management, rural development management and fisheries etc.
- Trainers — The trainers are from all different line departments and NGOs.

Financial Resource

- Grants: Department of Land Resources, New Delhi and Department of Water Conservation, Mumbai.
- Sponsorships: Vasundhara State level Nodal Agency (VSLNA)
- Charges: Department of Land Resources and CAPART, New Delhi

YASHADA - Apex Training Institute (ATI)

The Apex Training Institute plays the pivotal role for knowledge management. Government of Maharashtra has principally assigned the responsibility to Watershed Management Centre at the State Institute of Rural Development (SIRD) in YASHADA to work as Apex Training Institute for Integrated Watershed Management Programme (IWMP). The Main Functions of YASHADA as ATI is as follows.

- To prepare capacity building plan
- To prepare training modules
- To identify training resource organizations
- To conduct on campus training programme
- To coordinate and monitor SRO (State Recourse Organization) training programmes as per approved action plan

Training Levels

In Year २०१७-१८, YASHADA continued with responsibility of YASHADA & SRO Level Training Programmes. Watershed Management Centre, State Institute Rural Development imparts training at two levels. This structure is for IWMP project.

- YASHADA level trainings

- State Resource Organizations (SROs) —
 १. Marathwada Sheti Sahayak Mandal, Jalna
 २. Rural Cummunes, Khopoli
 ३. Watershed Organisation Trust, Ahmednagar
 ४. Action for Agricultural Renewal in Maharashtra (AFARM)

Target Group/Stakeholders of Watershed Management Centre, SIRD

- State, Division, District and PIA level functionaries
- Master Trainers
- State and District Resource Organizations representatives
- Watershed Cell cum Data Centre (WCDC) team members
- Grade ‘A’ Officers from Agriculture Department.

Training Programmes

YASHADA conducts Training Programmes at two levels i.e. YASHADA and SRO.

These programmes are as per the guidelines and requirements of the stakeholders.

YASHADA imparts trainings to SROs and develops training modules for the trainings.

The trainings include theoretical and practical knowledge aspect. Expert resources persons teach the theory by classroom lectures and hands on experience through

exposure and field visits imparts practical knowledge. The details of the Training

Programmes conducted by YASHADA are as follows-

Level	Trainers	Training Program	Trainees (Stakeholders)

<p>Nodal Agency</p>	<p>Apex Training Organization YASHADA</p>	<ul style="list-style-type: none"> • Induction and Refresher Training Programme • Training Need Analysis Workshop • Review Workshop • Livelihood Training Programme • Watershed Treatment Techniques • Exposure visit • Jalsaksharta (Water Literacy) • Training Programme — NIRD & PR 	<p>Grade- A Officers, Agri. Dept. Agri. Dept. Officers & Master Trainers</p> <ul style="list-style-type: none"> • Master Trainers from SRO, DRO and PTO • APM, DPM, PIA • APM, DPM, PIA • APM, Dy. Director, GIS Expert • ZP Officers, Master Trainers • Executive Engg., Project Manager (IWMP) & District Superintending Officer, Project Manager (IWMP) & District Superintending Officer, District Animal Husbandary Officer, Sr. Geologist, Dy. Director, Dy. Conservator of Forest, NGO MT etc.
<p>STATE</p>	<p>State Resource Organization</p>	<ul style="list-style-type: none"> • Livelihood • Agriculture Engineering 	<ul style="list-style-type: none"> • Watershed Development Team (Agriculture Expert, Livelihood Expert, Social

	s	<ul style="list-style-type: none"> • Agriculture Management • Social Mobilization • Agriculture Engineering (Part-२) 	Mobiliser, Agriculture Supervisor), <ul style="list-style-type: none"> • Agriculture Assistant, • Assistant Plantation Officer • DRO Master Trainer
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Action Plan 2018-19

Training : Subject, Duration & Stakeholder			
Sr. No.	Subject	Duration (Days)	Stakeholder
<u>YASHADA LEVEL</u>			
१.	Exit Protocol for Batch IV	२	APM/DPM, BDO & PIA,
२.	Livelihood Training for IV, V & VI	२	PIA's, Livelihood Expert & APM/DPM
३.	Watershed Treatment Techniques for PIA for IV, V & VI	२	PIA's, Agri Expert & APM/DPM.

୪.	Exposure Visit to successful project in other states	୪	SAO, SDO & SLNA Yashada faculty
୫.	SLNA Review Meetings	୨	VWDA committee members
୬.	Workshops/Seminar Meetings/organized by Yashada/WDT/VSLNA in MDC	୨	Various stakeholders of IWMP
୭.	Hydrology in watershed development for IV, V, & VI	୨	APM/DPM, PIA & NGO
୮.	Action plan for sustainability development of livelihood	୨	PIA, Agri. Asst., NGO & Master Trainer
୯.	Refresher training for Master trainers of DRO & LRA	୨	DRO & LRA Master trainer
୧୦	Evaluation of Training conducted by DRO & LRA from ୮ Agril. Divisions of ୮ Agril. District	-	-

State Resource Organizations (SROs)

State Resource Organization (SROs) are subject specific reputed institutes from the State having domain knowledge and proven experience. They can build the capacity of the stakeholders responsible for effective project management. The role of SROs is also important as these Guidelines are evolved for 'inclusive growth', allocate 22% funds for livelihood & productivity enhancement, and provide directives for holistic / integrated watershed management.

<u>STATE RESOURCE ORGANIZATION (SRO) LEVEL</u>			
Sr. No.	Subject	Duration	Stakeholder
१.	Climate change adaptation & mitigation for Batch IV ,V & VI	२	Agri. Supervisor & Agri expert
२.	Strengthening of Self Help Group & livelihood training for Batch IV ,V & VI	३	Agri. Supervisor & livelihood expert
३.	Agri. Engineering- I for Batch IV ,V & VI	५	Agri. Expert, Agri. Supervisor & civil Engineer

୪.	Agri. Engineering- II for Batch IV ,V & VI	୩	Agri. Expert, Agri. Supervisor & civil Engineer
୫.	Outreach by SRO at Dist. Level	୨	WC- Secretary & President

Development of Training Modules

Modules Preparation activities-

Sr. No.	Development & Publication Module
୧	User Group
୨	Self Help Group
୩	Village Level Orientation Training
୪	Common Guideline ୨୦୦୮ (Revised ୨୦୧୧)
୫	Participatory Rural Appraisal - Guideline
୬	Vikasachi Nidhal watchal
୭	Poster
୮	Social Mobilization (Preparatory Phase)
୯	Livelihood (Preparatory Phase)
୧୦	Project and Finance (Preparatory Phase)
୧୧	Agri. Engineering (Preparatory Phase)

१२	Agri. Management (Preparatory Phase)
१३	Detail Project Report (Preparatory Phase)
१४	Basic Training for Watershed Secretary (Preparatory Phase)
१५	Participatory Rural Appraisal (Preparatory Phase)
१६	Orientation District Level (Preparatory Phase)
१७	Agri. Engineering (Work Phase)
१८	Stress Management (Work Phase)
१९	Account Process (Work Phase)
२०	Motivation (Work Phase)
२१	NGO Management & Govt. Schemes Convergence (Work Phase)
२२	Water management & crop management (Work Phase)
२३	Exit Protocol (Batch 3 & 4)
२४	Watershed Treatment Techniques
२५	Jal Saksharta



SRO and PTO Training Modules



Posters on PRA

Modules Printed

State Resource Organization :

१. Specialized Training for Subject Specialists-Agriculture
२. Specialized Training for Subject Specialists-Agri. Engineering
३. Specialized Training for Subject Specialists-Social Mobilization
४. Specialized Training for Subject Specialists-Livelihood
५. Specialized Training for Subject Specialists-Project & Finance Management
६. Specialized Training for Agriculture Engineering Part - २ (Work phase)

YASHADA LEVEL

Modules Printed

Year २०१७-१८

७. District Level Orientation Training Programme
८. PRA
९. Sanstha vavsthapan & sashakiy yojnecha ektrikaran
१०. Consoldation and Withdrawl Pahse
११. Watershed Treatment Techniques
१२. Farmer producers company
१३. Trainer trainee module for Livelihood resource expert
१४. Strengthening of Self Help group
१५. Exit protocol

Visiting Faculty

1. Dr. Hemant Vasekar, Addl. CEO, Vasundhara, Pune.
2. Mrs. Shalini Kadu, Joint. CEO, Vasundhara, Pune.
3. Dr. Pritam Vanjari, GPS Expert, Vasundhara Pune.
4. Shri. Vishal Patil, PFMS, Mumbai.
5. Shri. Pradeep Patankar, Master Trainer, Satara.
6. Shri. Chandrakant Terkhedkar, NRM Advisor.
7. Mr. Aditya Jadhav, Researcher ACWADAM, Pune.
8. Mr. Sanjay Phalle, Agri. Supervisor, Rajgurunagar.
9. Mr. Uttam bhand, Agri. Supervisor, TAO, Maval.
10. Mr. Viraj Rajguru, Scientist ACWADAM, Pune.
11. Mr. Mukund Nigade, Administrative officer (Rtd.) Agril. Dept.
12. Mr. Brajesh Kumar, Divisional Account officer, PWD, Pune.
13. Mr. Shivraj Tate, Dy. Director, Quality control, Agril Dept.
14. Dr. Chandrashekhar Pawar, Asst. Professor, Indira college, Pune.
15. Dr. Madhukar Mahajan, Dy. Comm. (Rtd.) Animal Husbandry, Pune.
16. Mrs. Savita Pavaskar, Livelihood Expert, Bank Of Maharashtra, Thane.
17. Mrs. Sapna Karkande, APO DRDA, Pune.
18. Dr. Sanjay Patil, Director, MRSAC, Pune.

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