



**SCOPING MEETING**  
**NATIONAL WATER MISSION, NEW DELHI**  
**20<sup>th</sup> Nov, 2018**

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**BAIF Development Research Foundation**

**Committed to Sustainable Development of Rural India**

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# Overview of BAIF

BAIF's Mission is to create opportunities of gainful self-employment for the rural families, especially disadvantaged sections, ensuring sustainable livelihood, enriched environment, improved quality of life and good human values.

- Team of about 50 scientists, 3000 professionals and 3000 field functionaries
- Overall programme in 90, 000 villages of 300 districts in 15 States of India

## Program Outreach

### Livestock Development

- 268 Districts
- 4290 Livestock Devt Centres
- 79,965 Villages
- 49,17,109 Families

### Water Centric Livelihoods

- 1013 villages
- 669 Watersheds
- 304386 Ha area treated
- 1,93,618 Families benefited

### Climate Resilient Agriculture

- 5727 villages
- 197836 Families, benefited from the Wadi program

### Climate Change Adaptations

- Member of the “4 per 1000” initiative, focussing on soil health management.
- Climate Smart Village Program, Climate Proofing Program and Adaptation projects under implementation in about 200villages

### Improving Quality of Life

- 3455 SHG Groups and 41454 members
- Drinking water and sanitation initiatives being implemented in convergence with local government.

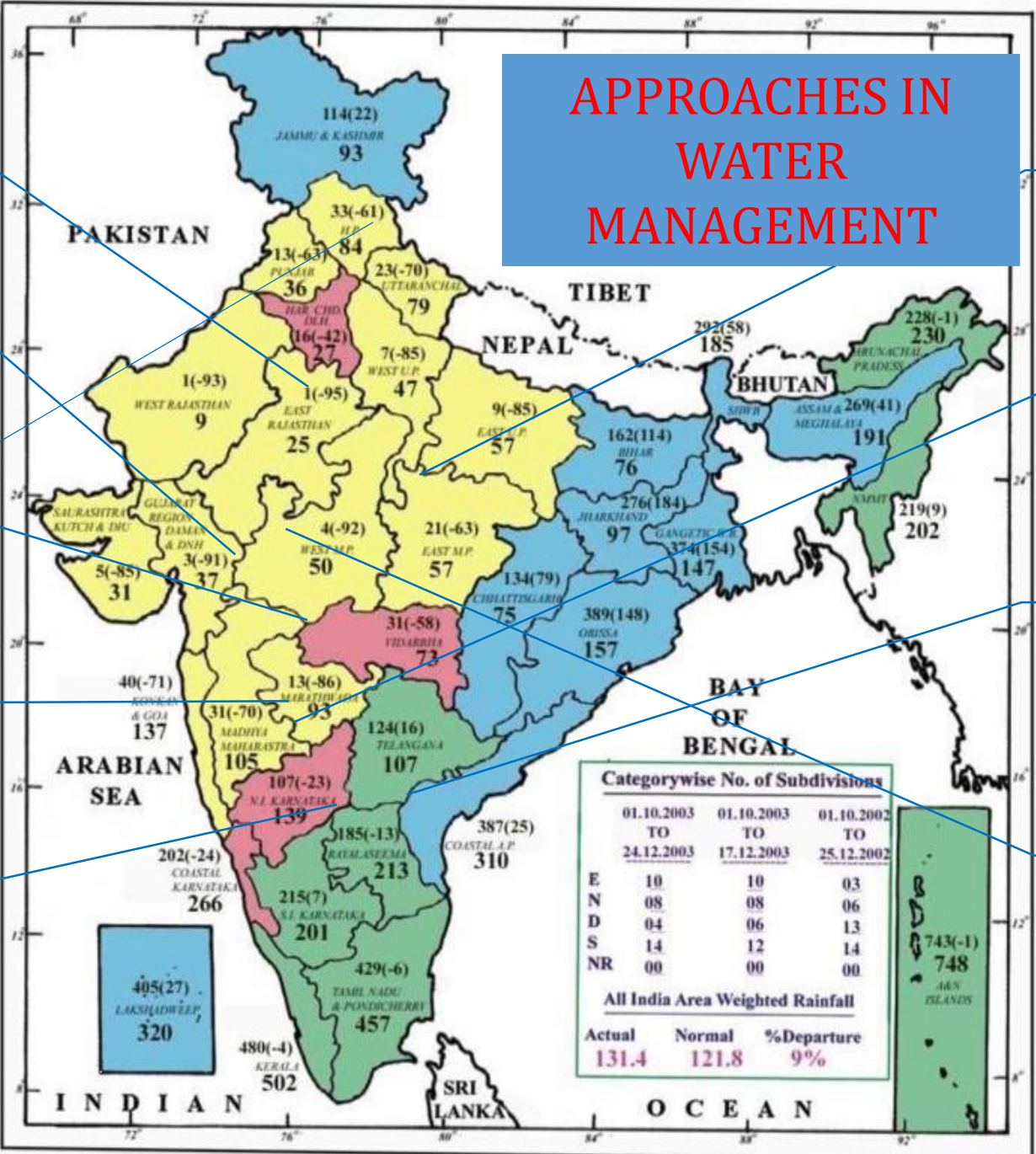
# Strengths and Initiatives in the Water Sector

(In alignment with NWM – Goals)





# APPROACHES IN WATER MANAGEMENT



**Drought proofing- Silvi pasture Development (Raj)**

**Land Landscape Development (Guj, MS)**

**Diversion Based Irrigation and Springshed development (MS, Guj, UK)**

**Climate resilient Watershed (MS, Raj, Karnatak)**

**Farm pond Newt work (Karnataka)**

**Ravine land management (MP, UP)**

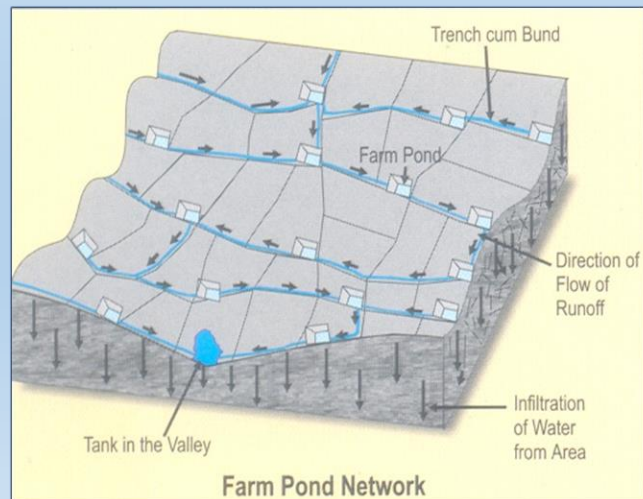
**Climate Proofing watersheds and 'Pro soil' (MS)**

**Traditional Tank Rehabilitation (AP, Telangana)**

**River Basin Management (Mah, Guj)**

# NWM Goal Specific Initiatives of BAIF

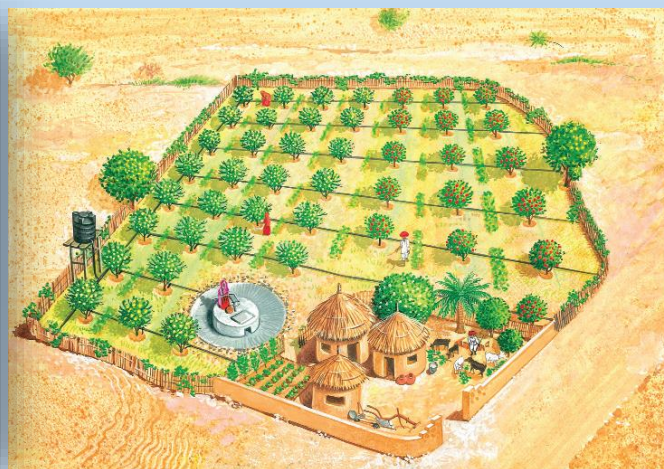
Goal	BAIF Programme
<b>GOAL 2:</b> Promotion of Citizen and State Action for water conservation, augmentation and preservation'	<b>Participatory Water Resource Management projects through PRIs/ WUGs/ Local Stakeholders –</b> <ol style="list-style-type: none"><li>1. Water budgeting and regulation in Maharashtra (Randullabad),</li><li>2. Farm-Pond Network based surface and ground water management in Karnataka through local community</li><li>3. Diversion based participatory irrigation in Maharashtra, Uttarakhand, Gujarat</li></ol>






# NWM Goal Specific Initiatives of BAIF

Goal	BAIF Programme
<b>GOAL 3</b> - “Focused attention to vulnerable areas including over-exploited areas”	<p>Projects in vulnerable ecosystems (Mountain, over-exploited areas) for irrigation water and drinking water :</p> <ul style="list-style-type: none"><li>• Watershed Management projects in Western Ghats, Climate Adaptation Project in Himalayas – Uttarakhand</li><li>• Climate proofing projects in semi-arid areas (6 states) and arid area of Rajasthan</li><li>• Restoration old water tanks in AP and Karnataka</li><li>• Clean drinking water supply through community water purification plants in the contaminated aquifer areas (Maharashtra, Karnataka)</li></ul>



# NWM Goal Specific Initiatives of BAIF

Goal	BAIF Programme	
<p><b>GOAL 4 -</b> Improving Water Use Efficiency by 20%</p>	<p><b>Research studies on:</b></p> <ul style="list-style-type: none"><li>• Cotton water footprint in Khamgaon, Maharashtra</li><li>• Farming Footprint in Igatpuri, Maharashtra</li><li>• Dairy Livestock water footprint in Uttar Pradesh</li></ul> <p><b>Efficiency-</b> More crop per drop approach integrated in all water conservation projects</p> <ul style="list-style-type: none"><li>• Micro irrigation (Drip, Sprinkler, Gravity Drip Irrigation, Solar powered gravity drip irrigation, Solar powered irrigation systems with micro irrigation in convergence with government schemes).</li><li>• Crop intensification (SRI), Laser Land Levelling, reduce water foot print of agriculture crops</li><li>• Partner in Piloting Energy Efficiency in Agricultural Pumping with Smart Groundwater Management through Monitoring &amp; Targeting Aquifers supported by GITA (Global Innovation &amp; Technology Alliance) (DST Initiative)</li></ul>	  



# NWM Goal Specific Initiatives of BAIF

## **GOAL 4** - Improving Water Use Efficiency by 20%

### BAIF Programme

- **Waste Water Recycling:** Drainage Restoration piloted in Urulikanchan village near Pune
- Eco STP is the ecological cum natural way of sewage treatment. In other words Restoration of nalla using ecological and watershed management techniques

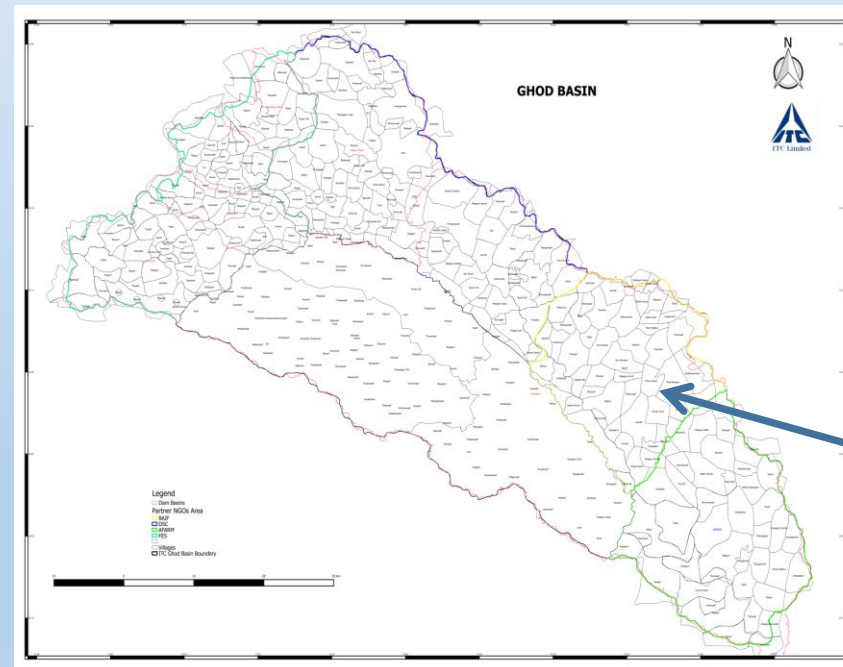




# NWM Goal Specific Initiatives of BAIF

Goal	BAIF Programme
<p><b>GOAL 5 -</b> Promotion of basin level integrated water resources management</p>	<p>Water Basin Management Projects</p> <ul style="list-style-type: none"> <li>• Ghod River Basin Management, Maharashtra in partnership with other CSOs, CSR (ITC), PRIs and other stakeholders</li> <li>• Basin Management project in Palghar district of Maharashtra</li> </ul>

Location Map of BAIF Project Area



# Possible Areas of Cooperation

## **A. Undertaking the pilot projects**

- Pilot Projects on Water Use efficiency, Climate change adaptation and mitigation, Waste water management, Conjunctive use of water, Drinking water supply in command and non command areas of selected Basins

## **B. Capacity building through BAIF-Water Academy**

- Sensitization and trainings of PRIs, WUG/WUAs, Water Technicians, CSOs, Agriculture Field Functionaries, Community Representatives

## **C. Resource Support Organization or Lead Agency:**

- Facilitation, hand-holding and Capacity building support to Project Implementing Organizations engaged in achieving the goals of NWM

## **D. Monitoring, Evaluation and Documentation of programmes in the selected Basin**



# Potential Pilots

- Integrated water resource management through stakeholder participation
  - at basin level
  - at landscape/watershed level
- Drainage water management - recycling and reuse through Eco-STP
- Water use efficiency through in command area through auxiliary water storages, optimum use through crop planning and value chain establishment
- Conjunctive Water Use in command area
- Climate Change Adaptation and Mitigation integrating Climate Smart Village Approach in Himalayan, Desert and Vulnerable area in Semi-arid area.

**Thank You**