

GOVERNMENT OF MEGHALAYA
MEGHALAYA STATE WATERSHED AND WASTELAND DEVELOPMENT AGENCY

No. MSWWDA/ADB-14/3/395

Dated: Shillong, the 7th February, 2022

NOTICE INVITING EXPRESSION OF INTEREST

Meghalaya State Watershed and Wasteland Development Agency, Shillong, Meghalaya, invites Water User Associations / Community Organization / Traditional Institution / Other Organizations having suitable land(s) to indicate their interest to collaborate with the Agency for the creation of Small Multipurpose Reservoirs (SMRs) on such land(s) for the benefit of the community.

The Detailed REOI can be downloaded online at www.megsoil.gov.in & www.meghalaya.gov.in

The EOI shall be submitted to the Chief Executive Officer, Meghalaya State Watershed and Wasteland Development Agency, Meghalaya, Shillong at the earliest. The last date for submission of EOI is March 2nd, 2022 by 3:00 PM.



Chief Executive Officer
Meghalaya State Watershed and Wasteland
Development Agency
Meghalaya, Shillong

Sl. No.	District	Address
1.	East Khasi Hills	Office of the Director Soil & Water Conservation & Deputy Chief Executive Officer, MSWWDA, Meghalaya, Shillong and Office of the Divisional Soil & Water Conservation Officer & Deputy Project Manager Shillong (T) Division
2.	West Khasi Hills	Office of the Divisional Soil & Water Conservation Officer & Deputy Project Manager Nongstoin Division
3.	West Jaintia Hills	Office of the Divisional Soil & Water Conservation Officer & Deputy Project Manager Jowai (T) Division
4.	Ri-Bhoi	Office of the Divisional Soil & Water Conservation Officer & Deputy Project Manager Ri-Bhoi Division
5.	South West Khasi Hills	Office of the Divisional Soil & Water Conservation Officer & Deputy Project Manager Mawkyrwat Division
6.	East Jaintia Hills	Office of the Divisional Soil & Water Conservation Officer & Deputy Project Manager Khliehriat Division
7.	Eastern West Khasi	Office of the Range Officer

	Hills	Mairang Range Office
8.	East Garo Hills	Office of the Divisional Soil & Water Conservation Officer & Deputy Project Manager Simsangre Division
9.	West Garo Hills	Office of the Divisional Soil & Water Conservation Officer & Deputy Project Manager Tura (T) Division
10.	South Garo Hills	Office of the Divisional Soil & Water Conservation Officer & Deputy Project Manager, Baghmara Division
11.	South West Garo Hills	Office of the Divisional Soil & Water Conservation Officer & Deputy Project Manager Ampati Division
12.	North Garo Hills	Office of the Divisional Soil & Water Conservation Officer & Deputy Project Manager Resubelpara Division

No. MSWWDA/ADB-14/3/395-A

Dated Shillong the 7th February, 2022

Copy to:

1. The Commissioner & Secretary, Soil & Water Conservation Department, Meghalaya and Chairman of Meghalaya State Watershed and Wasteland Development Agency, for kind information.
2. The Joint Secretary, Soil & Water Conservation Department, Meghalaya, for information.
3. The Director, Soil & Water Conservation Department, Meghalaya and Deputy Chief Executive Officer of Meghalaya State Watershed and Wasteland Development Agency, for information.
4. The DIPR, Shillong for publishing the above EOI in only two issues of the The Shillong Times / Salantini Janera and U Nongsain Hima before the 9th February, 2022. Bills in triplicate may be submitted to the office of the undersigned.
5. The SIO, NIC, Shillong for posting the EOI and the detailed REOI in the Government of Meghalaya website and the Soil & Water Conservation Department, Government of Meghalaya website prominently.
6. Notice Board, Director of Soil & Water Conservation Department.
7. Notice Board, Office of the Divisional Officer, Soil & Water Conservation Department at the 12 District Headquarters.

Chief Executive Officer
Meghalaya State Watershed and Wasteland
Development Agency
Meghalaya, Shillong

DETAILED REQUEST FOR EXPRESSIONS OF INTEREST
Meghalaya State Watershed and Wasteland Development Agency

Title: Selection of Community Organization / Traditional Institution for creation of Community Owned Small Multipurpose Reservoirs under ADB Assistance.

Reference: No. MSWWDA/ADB-14/3/395, dated 07-02-2022

1. BACKGROUND

Meghalaya receives more than 60 billion CuM of rain water which is a prime natural resource fundamental to life, livelihood, food security, and sustainable development. With urbanization, changing lifestyle, population growth and rising needs of a developing state, the availability, affordability and sustainability of utilizable water, lack of sufficient storage capacity and poor water management practices lead to seasonal water shortage, flash floods and huge water stress in many parts of the State. The dependency on springs and small multipurpose reservoirs for meeting drinking water needs is very high and the discharge of these springs is dwindling, leading to hardships faced by the dependent population. In addition, the distribution of water is inequitable and there is a lack of a large scale water harvesting system for surface runoff water storage.

Low public consciousness about judicious use of rainwater and its economic value also results in its wastage and inefficient use. Further, lack of awareness about sanitation and hygiene is leading to contamination of water bodies and increased disease burden on local communities.

The water bodies in Meghalaya are also victims of degraded catchment areas, lack of conservation and rampant quarrying and mining activities. This water quality degradation has adversely impacted the aquatic life and availability of potable water. The dwindling discharge water flow during lean season leads to adverse impact on agricultural productivity and other livelihood activities.

With rising livelihood needs, aspirations and impact of climate change, availability of utilizable water in future will be under further severe strain with the possibility of increased water conflicts among different user groups.

Considering the multiple and competing needs for water and the increased pressure on water resources, it is imperative that SMRs be created across the state within the community lands to meet the various water and environmental needs in a sustainable manner.

Hence, sustainable harnessing of water resources such as SMRs, roof top rain water harvesting, Jalkunds, springshed development, lakes, etc., would fulfill the needs of water not only for domestic use but also for livelihood development and income generation activities. SMR will be planned in a cascading manner to serve multiple livelihoods and uses of water within village ecosystems.

2. OBJECTIVES OF COMMUNITY OWNED SMRs

- To ensure universal access to water for enhancing sustainable and efficient water-based livelihood opportunities for the rural areas of Meghalaya.
- To enhance resilience to climate change (reduced number of precipitation days and increased precipitation intensity during rainy season in Meghalaya with acute water-shortage during non- rainy season)
- To establish institutional mechanism for community ownership and integrated management of water resources in Meghalaya in line with Meghalaya Water Policy, 2019.

- To adopt social and environmental safeguards in all aspects of project planning and implementation in order to avoid, minimize and mitigate associated impacts and risks.

(Refer ANNEXURE B for details)

3. The MSWWDA invites **Water User Associations / Community Organization / Traditional Institution / Other Organizations** having suitable land(s) to indicate their interest to collaborate with the Agency for the creation of Small Multipurpose Reservoirs (SMRs) on such land(s) for the benefit of the community. Interested applicants should provide information demonstrating that they have the relevant experience to perform the Services

4. Further information can be obtained at the address below during office hours [10.00 AM – 5.00 PM]

Sl. No.	District	Address
1.	East Khasi Hills	Office of the Director Soil & Water Conservation & Deputy Chief Executive Officer, MSWWDA, Meghalaya, Shillong and Office of the Divisional Soil & Water Conservation Officer & Deputy Project Manager Shillong (T) Division
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11.	South West Garo Hills	Office of the Divisional Soil & Water Conservation Officer & Deputy Project Manager Ampati Division
12.	North Garo Hills	Office of the Divisional Soil & Water Conservation Officer & Deputy Project Manager Resubelpara Division

5. Expressions of Interest must be delivered in a written form as per ANNEXURE A to the address below through registered post/speed post/ courier/ by hand/ email at the earliest before 2nd March, 2022.



Chief Executive Officer
Meghalaya State Watershed and Wasteland
Development Agency
Meghalaya, Shillong

No. MSWWDA/ADB-14/3/395-A

Dated Shillong the 7th February, 2022

Copy to:

1. The Commissioner & Secretary, Soil & Water Conservation Department, Meghalaya and Chairman of Meghalaya State Watershed and Wasteland Development Agency, for kind information.
2. The Joint Secretary, Soil & Water Conservation Department, Meghalaya, for information.
3. The Director, Soil & Water Conservation Department, Meghalaya and Deputy Chief Executive Officer of Meghalaya State Watershed and Wasteland Development Agency, for information.
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7. Notice Board, Office of the Divisional Officer, Soil & Water Conservation Department at the 12 District Headquarters.



Chief Executive Officer
Meghalaya State Watershed and Wasteland
Development Agency

COMMUNITY OWNED SMALL MULTIPURPOSE RESERVOIRS

SECTION 1 – BASIC DETAILS OF THE ORGANISATION

#	Question	Response	Remarks
1	Name of the Organisation		
2	Type of the Organisation <i>(Only Water Users Associations, Local Traditional Institutions, Village Employment Council, Cooperative Society, Integrated Village Cooperative Society (IVCS), Farmers Producers Organization (FPO), Self Help Group (SHG), SHG Federation or any group or society, that has a majority membership of farmers are eligible to apply)</i>	<input type="checkbox"/> Cooperative Society <input type="checkbox"/> IVCS <input type="checkbox"/> Water User Association <input type="checkbox"/> Local Traditional Institutions <input type="checkbox"/> Village Employment Council <input type="checkbox"/> Farmer Producer Group <input type="checkbox"/> SHG <input type="checkbox"/> Society working with farmers <input type="checkbox"/> Trust working with farmers <input type="checkbox"/> NGO working with farmers <input type="checkbox"/> Others (Mention)	
3	Location of the Organisation	Village / Block / District	
4	Is the Organisation registered?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
5	If Yes, Date of registration of the Organisation		
6	Registered under which of the Acts?	<input type="checkbox"/> Cooperative Society <input type="checkbox"/> Producer Company <input type="checkbox"/> Societies Act <input type="checkbox"/> Trust <input type="checkbox"/> Company <input type="checkbox"/> Others (Mention)	
7	Location of Registration	Village / Block / District	
8	Number of members of the Organisation		
9	How many of the members are farmers?		
10	Has the Organization taken any loan from Banks / Cooperative Society	<input type="checkbox"/> Yes <input type="checkbox"/> No	

SECTION 2 – LAND AND SITE DETAILS

#	Question	Response	Remark
11	What type of SMRs is suitable for your land?	<input type="checkbox"/> Dug Out <input type="checkbox"/> Embankment <input type="checkbox"/> CC Core Wall <input type="checkbox"/> RCC Dam	
12	Does the Organisation own the land to construct the SMR?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
13	If Yes, where is the location of the land?	Village / Block / District	
14	Does the proposed site have perennial water source?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
15	What will be the surface area of the Impounded water in the reservoir?	<input type="checkbox"/> > 4.0 Ha <input type="checkbox"/> 2.0 – 4.0 Ha <input type="checkbox"/> 1.0 – 2.0 Ha <input type="checkbox"/> >0.5 – 1.0 Ha	
16	Does the proposed site have Road Connectivity?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
17	If No, how far is the site from Main Road?		
18	Does the proposed site have any existing cultivable land / habitation?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
19	If Yes, mentions the area of cultivable land or area of habitation.	Cultivable Land _____ Habitations_____	

SECTION 3 – EXPERIENCE

#	Question	Response	Remarks
20	Does the Organisation have any experience in doing similar kind of SMRs?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
21	If Yes, briefly explain the kind of the SMR activities / initiatives undertaken?	(Write in brief about the activities / initiatives in 100 words)	
22	What is the turnover of the SMR activities / initiatives undertaken?		

SECTION 4 – PROPOSED SMR DETAILS

#	Question	Response	Remarks
23	Is the Organisation willing and able to contribute 10% of the project cost as their share of investment?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
24	How many households will the proposed SMR be able to provide service?		
25	Mentioned the Names and numbers of the households to be benefitted.	1. Village / Block / District 2. Village / Block / District . . . 20. Village / Block / District	
26	What are the additional proposed activities to be taken up through this SMR		
27	Contact Details of the Organisation's Representative	Name of the Person Designation Mobile No. Alternative Mobile No. Address:	

***Important Note:** All the shortlisted Organisations will be contacted by MSWWDA for preparation of a Detailed Project Proposal. Construction of the SMRs will be taken up through the respective VECs / Contractors.

Meghalaya Small Multipurpose Reservoirs Project

The SMR project would encourage creation of multipurpose reservoirs to promote water security, create livelihood opportunities and enhance micro power generation through hydroger schemes. Similarly, small water storage structures for rainwater harvesting and ground water recharge, spring-shed development and spring rejuvenation would be promoted to improve water security. Improved land and water management practices, such as catchment area treatment and protection, protection and preservation of water resources, protection from land degradation, preservation of forest, afforestation of upper catchments, control of Jhum cultivation, riverbank protection and construction of check dams and field ponds would be promoted.

The project would empower and develop the capacity of communities to develop the Small Multi-Purpose Reservoirs to provide water security for livelihood activities. For that, a coherent and coordinated approach would be adopted to promote community and other stakeholders participation in planning and management of SMRs to ensure self-sufficiency of water for villages and for promoting localized water utilization and decentralized water management. Efforts to encourage the community organisations / water users groups to own up the responsibilities to operate, maintain and manage the SMR would be taken, in collaboration with the communities, to ensure the sustainability. Areas of convergence with other departments would be identified and concerned government departments/ agencies would be involved, wherever required in the entire project lifecycle.

Being inter-disciplinary in nature, the SMR projects are being planned considering social and environmental aspects also, in addition to techno- economic considerations. Consultation with project affected communities for catchment area management, environmental and ecological concerns, to maintain minimum water flow throughout the year and provision for fish movement will be part of project planning. Special focus would be given to quality of project preparation and project management to reduce time and cost overruns and sub-optimal realization of benefits.

Private sector and civil society participation will be encouraged in planning, development and management of SMR project as this will help in introducing innovative ideas, generating financial resources, introducing corporate management and improving service efficiency and accountability to users.

➤ **Solutions:** The water bodies in Meghalaya are victims of degraded catchment areas, lack of conservation and rampant mining activities. The water quality degradation has adversely impacted the aquatic life and availability of potable water. The dwindling discharge of water flow during lean season leads to adverse impact on agricultural productivity and other livelihood activities. Solutions lie in the following:

- i) Multi-disciplinary and integrated efforts on the concept of water as a common pool resource will be undertaken for planning of SMR projects at the community level to ensure equitable access to water.
- ii) Traditional community knowledge on water harvesting using modern tools, technologies and approaches would be used in project planning and execution.
- iii) Comprehensive assessment of water resources in the State would be undertaken through mapping of rivers, streams, springs and other water bodies on watershed basis so there is no gap between potential created and potential utilized.

- **Principal Objectives:** The specific objectives of the community owned SMR are as follows:
 - i) Recognize water resources as a common pool resource
 - ii) Provide safe and hygienic water for drinking, domestic and sanitation and livelihood development
 - iii) Ensure protection and conservation of catchments all water sources
 - iv) Enhance resilience to disasters and the impacts of climate change
 - v) Ensure convergence of all water related developmental interventions and activities
 - vi) Promote latest tools, technologies, dynamic and easily accessible data and information for use by the community and other stakeholders.
 - vii) Promote and support community participation in development and management of water resources;
 - viii) Setting up of an efficient and effective regulatory framework for the SMR to realize the economic value of water.

➤ **Advantages of SMR:** The project's outcome will be sustainable income opportunities and climate resilience of SMRs beneficiaries enhanced. The project will indicatively have the following three outputs: (i) Institutional Capacity developed for climate resilient and sustainable management of SMRs; (ii) Community livelihood enhanced through value addition and technology transfer; and (iii) Climate resilient SMRs built and water sources for beneficiaries created.

➤ **Ownership:** Proposed SMR should be 'Community-Owned Community-Operated (CoCo)'. Thus, these community owned and managed SMRs would be centred around protecting and promoting the water resources and interests of the local community. Community Organisation shall be any local Traditional Institutions, Village Employment Council (VEC), Water User Associations, Cooperative Society, Integrated Village Cooperative Society (IVCS), Farmers Producers Organization (FPO), Self Help Group (SHG), SHG Federation or any group or society, that has community as majority membership.

➤ **Target:** Those water-stressed areas across the state having water potential and willing communities for creation of such SMRs as per the following categories.

SN	Category	Water pondage area	Max amount permissible (Lakhs)	Implementation Agency	Remarks
1	I	> 0.50 -1.0 Ha	Rs 25.00	VEC	
2	II	1.0 – 2.0 Ha	Rs 50.00	VEC/ Contractor	
3	III	2.0 – 3.0 Ha	Rs 75.00	Class I Contractor	
4	IV	3.0 – 4.0 Ha	Rs. 100.00	Class I Contractor	
5	V	> 4.0 Ha	@ Rs 25.00 lakhs/Ha	Class I Contractor	

➤ **Implementation:** The Soil & Water Conservation Department, Meghalaya would be the nodal department and the Meghalaya State Watershed and Wasteland Development Agency (MSWWDA) as

Project Implementation Unit (PIU) will be responsible for identifying the location, selection of the community organisations, tendering, construction and supervision of the construction of these SMR.

➤ **Selection Criteria:** MSWWDA shall be responsible for selection of community organisations having suitable lands for creation of SMR either through respective VEC or through tendering process. It shall issue a notice through local newspapers and online sites seeking EOIs from those community organisations that fulfil the following criteria:

- i) **Registered Entity or Willing Register:** The organisation should be a registered body or willing to be registered, if gets selected.
- ii) **Location:** The organisation should preferably be located/ registered in the area in which it has evinced the interest in creating the SMR.
- iii) **Land:** Have suitable secured land with minimum acreage of 0.50 Ha pondage area
- iv) **Characteristics of organisation:**
 - a) Should be having the requisite experienced manpower to run the infrastructure created in a business-mode.
 - b) Should have a track record of doing similar works
 - c) Their proposed site / land should have perennial source of water with good catchment area and potential for command area development
 - d) The village road leading to this land should be free for movement of vehicles to project site
 - e) No cultivable lands, buildings, habitations etc. within the proposed site

➤ **Investment:** The Organisation must be willing and able contribute 10% of the project cost as their share of equity for creation of the SMR. Convergence with other developmental schemes will be done for investment sharing and enhancing water-use efficiency for strengthening livelihood opportunities.

➤ **Clearances:** The Organisation must get the necessary clearance for establishing the SMR from the competent authority.

➤ **Selection Process** A Screening Committee comprising representatives from the SWCD, MSWWDA, WRD and District Administration would be constituted to scrutinize the EOIs. The Screening Committee would identify the locations based on the following:

- a) Proposals by the Organisation
- b) Suitability and Need of the SMR
- c) Geographical Distribution
- d) Any other need-based criteria

The Screening Committee would then evaluate the applications and choose the most well-suited SMR for the District. Based on the recommendations of the Screening Committee, MSWWDA would partner with the selected Organisation and local VEC and WCDC for construction and

operationalization of the SMR. Free and informed consent and participation will be the hallmark of village community led planning and implementation. Capacities of the people will be developed to benefit from the project activities.

The broad parameters for selection are listed but not limited to the following:

SN	Parameters	Criteria
1.	Demand Driven	EoI from VECs, VNRMC, NGO, Societies, SHGs, Village Councils, Clans, etc
2.	Feasibility	<ol style="list-style-type: none"> 1. Perennial SMR sites having not less than 0.5 Ha pondage. 2. Potential for multiple livelihood opportunities 3. Availability of Command Area 4. Catchment area is well protected
3.	Community Willingness with Non-Encumbrance certificate	<ol style="list-style-type: none"> 1. Social Agreement 2. MoU with VECs
4.	Relevance / Impact (Cost Benefit, etc)	<ol style="list-style-type: none"> 1. Potential for diversification and value addition of local produce 2. Assured live saving irrigation for high value low volume crops 3. Potential for improved ground water recharge, flora & fauna in the area
5.	Address Climate Change Vulnerability	<ol style="list-style-type: none"> 1. Rejuvenation of springs 2. Increase in forest cover 3. Food security
6.	Gender consideration	<ol style="list-style-type: none"> 1. Reduce in Drudgery and Time Poverty for women 2. Improve life skills for adolescent girls 3. Land ownership with women strengthened
7.	Catchment area protection	<ol style="list-style-type: none"> 1. Potential for payment of environment services 2. Protection from soil erosion 3. Potential for declaration of catchment area as village land bank