

Rivers of the World Approved Grant Proposals September - 2024

Exec. Summary
Sep 6, 2024

Sl. No.	Project Lead Name	Location	Executive Summary	Remarks Project Type
1.	Prof. Anil K. Kar	Near Sambalpur, Odisha, India	In collaboration with the Rivers of the World (ROW) Foundation, Inc., USA, we aim to improve a small pond near Sambalpur, Odisha, transforming it into a potable water source for the local community. This project will enhance access to clean water, benefit the local ecosystem, and involve consultations with ROW coordinator Mr. Sucharit Dutta and his team to develop an effective, cost-efficient renovation strategy.	Transforming a unusable pond to a potable water source. Cost Participation- 80% by local project lead
2.	Mr. Sudhir Nautiyal	Village Ghuttu, Uttarakhand, India	Since 2014, HES and Rivers of the World Foundation USA have collaborated on Water Testing, Monitoring and World Water Day activities to raise student awareness of water, the environment, and climate change. Our current project aims to develop an early warning system by establishing weather centers to monitor climate change near Khatling Glacier and address rising temperatures and glacier melt, ensuring timely evacuations of people living in the river valley.	Develop an early warning system for evacuating people. Cost Participation- 40% by local project lead
3.	Ms. Arundhati Sinha, and. Raghunandana Thammineni	Lincoln Hwy, Somerset, NJ, USA	Building on our commitment with Rivers of the World Foundation and our experience as ROW Somerset, NJ coordinators, we propose a ROW grant for a two-pronged initiative to enhance Six Mile Run's ecosystem. This project will involve: 1. Stream Management and Protection: Employing proper techniques for stream health and using drone imagery to map the stream's flora and fauna. 2. Community Engagement: Collaborating with the local Environmental Commission to raise awareness, particularly among youth, fostering environmental responsibility and interest in environmental science careers.	Using drone imagery to create a detailed map of a stream, and applying proper techniques to ensure the long-term health of a local stream, the Six Mile Run. Cost Participation- 30% by local project lead
4.	Mr. Sucharit Dutta,	Near Sambalpur, Odisha, India	We aim to rejuvenate a small pond near Sambalpur, Odisha, transforming it into a potable water source for the local community. This project involves collaboration with Professor Anil Kar from Veer Surendra Sai University of Technology, focusing on active oxidation and biosystems to enhance water quality and reduce organic load. The initiative will provide clean water, improve the local ecosystem, and develop an innovative and cost-effective rejuvenation method for broader applications.	Utilizing a new technology with active oxidation to enhance oxygen content and reduce organic loading in pond water. Cost Participation- 30%

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5.	Mr. Gautam Lahkar	Suburban area of Guwahati, Assam, India	Our ROW-Guwahati team, with over 10 years of collaboration with the Rivers of the World Foundation, proposes to clean a small pond near Guwahati, Assam, to create a potable water source for the local community. Building on our annual World Water Day events, including a 2024 painting competition, this project will involve removing vegetation with boats and using oxidation via a diffuser system, guided by Mr. Gautam Lahkar and ROW HQs. This initiative aims to enhance local water quality and engage closely with the community.	Transforming pond to potable water. Cost Participation- 30% by local project lead
6.	Mr. Suresh Soman	Khipiya Village near Urawar and Gokul, Uttar Pradesh, India	With over 10 years of collaboration with the Rivers of the World Foundation, we propose a pilot project to develop a clean drinking water system for two rural villages in Uttar Pradesh, India. The project will address issues with unhealthy water from hand pumps and lack of electricity by creating a non-electric filtration system, potentially incorporating solar/UV detoxification. We will install the pilot system in one village, Khipiya or Gokul, to ensure effective system development and provide safe drinking water for the community.	Installation of a pilot system. Cost Participation- 30%
7.	Dr. Prakasam Tata	Lakkavarapu Kota, Andhra Pradesh, India	In collaboration with the Rivers of the World Foundation and Bharathi Theertha, we propose to clean a heavily polluted pond in Lakkavarapu Kota, Vizianagaram District, A.P., India. Utilizing Nualgi, a diatom-based product, we aim to restore the pond's health without relying on electricity. The project will involve reviewing literature on Nualgi, assessing pollution levels, applying the product weekly for 20 weeks, and monitoring the pond's ecological recovery. Success could provide a model for similar pond renovations across Andhra Pradesh.	Rejuvenation of a polluted pond. Cost Participation- 40%
8.	Dr. Malali Gowda	School of Forest Farmers, Hassan, Karnataka, India	In response to the severe drought in Karnataka, India, with over 70% of groundwater sources depleted, we propose the "School of Forest Farmers" initiative to enhance agricultural water management. This project aims to raise awareness of rainwater conservation and implement rainwater harvesting systems for selected farmers, leveraging our 30+ years of experience in forest farming to improve resilience and productivity in agricultural landscapes.	Implement rainwater harvesting systems near the School of Forest Farmers. Cost Participation- 43%
9.	Dr. Sarat Sahu	Siksha 'O' Anusandhan (SOA) Deemed to be University, Bhubaneswar, Odisha	For the past decade, our university has collaborated with Rivers of the World (ROW) to train students in water conservation and climate change mitigation. This project aims to compare air temperature, humidity, and rainfall in urban versus rural areas to study the Urban Heat Island Effect (UHIE) and establish a Diurnal Temperature Range (DTR) for undisturbed climate data. Additionally, we will conduct workshops in schools and colleges to raise awareness about climate change impacts, such as prolonged heat waves.	Assess the urban heat island effect (UHIE). Undertaken by - Centre for Env. & Climate (CEC), Institute of Technical Edu. & Research (ITER). Cost Participation-55%

Updated- [July 4, 2024](#)

Rivers of the World Announcement for Grant Proposal May 2024



Proposal Topics –

💧 Awareness Program ; 💧 Remote Sensing Technologies/GIS; 💧 Water and Wastewater treatment technologies; 💧 Municipal Solid Waste management; 💧 River, Life, and Health; 💧 Developing a small water testing facility; 💧 Data Collection Centre; 💧 Encouraging youth to pursue Environmental Sciences as a career choice; 💧 Establish local Climate center to record the daily Temp. precipitation; wind speed and direction, humidity, atmospheric pressure and any other relevant parameters; 💧 Water management; 💧 Erosion control measures; and 💧 flood protection and stormwater runoff management.

The Rivers of the World (ROW) Foundation¹ a Tax-Exempt 501(c)3 Charitable organization invites proposals from the ROW Volunteers/Members to submit requests for proposal to conduct specific environmental and water related activities as listed below. The primary goal of these activities includes protection and restoration of human health and the environment for the local communities. The numbers of grants (1 to 15) and the amount of each grant, generally between \$100 to around \$750 will be solely dependent upon the merits of the proposal as determined by the Rivers of the World (ROW) Foundation, Inc. Any unfair demand or request will count towards rejection of the applicant.

The **total grant** for All proposals combined will be limited to **USD8500.00**. The timeframe for project completion with validation supported by pictures and reports will be limited to a maximum of 14

¹ Rivers of the World (ROW) Foundation is a Tax-Exempt (501(c)3) Organization. All contributions to the ROW Foundation (Fed. Tax ID 26-062-3120) qualify to be deductible from U.S. income taxes. All Rivers of the World Foundation team members are participating on their personal time and contributing their personal funds. No volunteer of the foundation is receiving any compensation. They are conducting the activities in compliance with applicable regulations (US 18 U.S.C. 207 , 5 CFR 2635, and others; India - IPC for Ethics) in their respective countries.

months . For incomplete projects, the recipient will lose their remaining grant amount beyond the amount received according to their percent of completion of the project.

The focus will be development of communities in the context of their growing aspirations to improve the quality of Life and the environment. The project proposals based upon environmental development, water related challenges, waste management and education for rural children would be of high value.

1. Background

The Himalayas are remarkably diverse and of global importance as the center of biological diversity. Its greatest values may be the sources of the major rivers, ecosystem and high levels of biodiversity.

The survival of these ecosystems and wildlife are now threatened by human activities, such as timber harvesting, intensive grazing by livestock and agricultural expansion into forestlands, and various factors affecting climate change.

The most recent report by the Intergovernmental Panel on Climate Change (IPCC) states that global warming will lead to **“changes in all components of the freshwater system,”** and concludes that **“water and its availability and quality will be the main pressures on, and issues for, societies and the environment under climate change.”**

In the state of Uttarakhand (India) it is clearly visible that the growth is limited by reduced water supplies from depleted groundwater and shrinking glaciers that sustain key rivers. India's drinking water crisis has become severe over the past decade. Increasing demands on available water resources for intensive agricultural practices and industrial use, together with deteriorating water quality, constrain drinking water availability despite massive outlays for drinking water and sanitation infrastructure.

Acute drinking water shortage due to drastic fall in water levels in major reservoirs, continuing crisis in agriculture and a harsh summer have made this the worst. Probably our ***next generation*** will suffer a lot. To prevent a disastrous water crisis, unprecedented floods, fires and resulting sufferance, we'd like to encourage the government , the non-government, the society, and the local communities as a whole to wake up and work together to meet these challenges due to climate madness and build *climate resilience* and begin *climate reversal* steps.

2. Specific Activities for this Proposal

As listed above, the following activities are listed again for the applicants to choose one or two of these activities and submit their proposal.

Only one proposal from a particular entity/ROW- member will be considered.

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| I. Awareness Program | III. Wastewater and water treatment technologies |
| II. Remote Sensing Technologies/GIS | |

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| IV. Municipal Solid Waste management | IX. Establish local Climate center to record the daily Temp., precipitation, wind speed and direction, humidity, atmospheric pressure and any other relevant parameters. |
| V. River, Life, and Health | |
| VI. Developing a small water testing facility | |
| VII. Data Collection Centre | |
| VIII. Encouraging youth to pursue careers in Environmental Sciences | X. Water management, ideas for erosion control, flood protection and stormwater runoff management. |

Project partnership by the applicant/community is mandatory.

For example, if your proposal is for INR100,000, you have to provide 20-40% of the total cost as determined by the specific circumstances. This partnership effort must be clearly written in the proposal. Please provide your background and details of any past activities or award from the ROW Foundation, such as World Water Day (WWD) with the ROW Foundation

3. Last Date and Time for Submission of Revised/Final Proposals using email attachment: 12th July 2024, Midnight US Eastern (New York time)

(Language English)

Please send your **Final Proposal by email to:** rowfoundation@gmail.com

You MUST provide your valid/clear **email address** for correspondence. All efforts MUST be made by the applicant to prevent copy/paste of unknown/virus-laden contents from the internet.

- A Draft outline of the proposal with one or two of the Specific topics (item 2. Above) must reach rowfoundation@gmail.com by June 21. It could be a short email indicating your plan/intent to submit a proposal.
- ROW foundation will send a Zoom link inviting the Draft submitters for a meeting **on July 3rd** to clarify common questions and provide ROW expectations of coverage in the final proposal submission by everyone. (✓)