



GLOBAL GRANT APPLICATION TEMPLATE

GG2342895

The following pages outline the questions you will be asked on the online global grant application. You can use this document for planning purposes. Find the actual grant application at www.rotary.org/grants.

Step 1: Basic information

What's the name of your project?

Habitat restoration for reducing Human-Wildlife conflict near Mudumalai Tiger Reserve, India

What type of project are you planning? (humanitarian project, vocational training, scholarship)

All global grants support activities within Rotary's areas of focus.

Humanitarian

Select the primary host and international contacts for this project.

The primary host contact lives in the country where the project, training, or study will take place. The primary international contact lives in another country. Both contacts will be responsible for all grant-related correspondence and reporting to The Rotary Foundation.

Primary Host: Rotary Club of Nilgiris West

International Host:

Step 2: Committee members

The committee will include at least three members from the host sponsor and three members from the international sponsor.

Who will serve on the grant's host committee?

Dr. V. Balasubramaniam, Anandhi chandran, Thiyagu Venkatesh

Who will serve on the grant's international committee?

Do any of these committee members have potential conflicts of interest? If so, please briefly explain.

A conflict of interest is a relationship through which an individual involved in a program grant or award causes benefit for such individual or such individual's family, acquaintances, business interests, or an organization in which such individual is a trustee, director, or officer.

No

Step 3: Project overview

Tell us a little about your project. What are the main objectives of the project, and who will benefit from it?

We're only asking for a general idea of the project. Try to be as concise as possible here. We'll ask you for details later in the application.

Invasive species like Lantana camara, Senna spectabilis, Parthenium degrade forest habitat in India by reducing grazing and making areas impenetrable to ungulates and large herbivores. This forces them out of the region and causes human-wildlife conflict when they graze in agricultural land in villages outside wildlife reserves.

Cattle also fall victim to predators like Tigers and Leopards. Villagers tend to poison bait to reduce depredation. The region, Mudumalai Tiger Reserve in South India, part of the Nilgiris Biosphere, and Sigur Ghat adjoining it are also home to three critically endangered vulture species. Poison baits also cause their death. Villagers with cattle are also not sure of medications given to their cattle and NSAIDs as well as some of the current veterinary drugs prove fatal for vultures if they eat carcasses treated with these drugs.

Our project addresses human-wildlife conflict in two ways- removing the invasive species and converting it by upcycling it to plyboard and decor items thus increasing local community economic development and participation in restoring the habitat. Secondly, by educating vets and villagers about vulture safe drugs and periodic cattle camps, cattle insurance and registration, through the animal husbandry department, ensure that vultures survive in this landscape.

Community conservation teams for vultures are also planned as a part of this project.

Step 4: Area of focus

Which area of focus will this project support?

Select at least one area. Note that we'll ask you to set goals and answer questions for each area of focus you select.

- Peacebuilding and conflict prevention
- Disease prevention and treatment
- Water, sanitation, and hygiene
- Maternal and child health
- Basic education and literacy
- Community economic development
- Environment

Step 5: Measuring success

Which goals of this area of focus will your project support?

We'll ask you questions about the goals you choose, and at the end of the project, you'll report on your results for each goal. Each area of focus has its own set of goals. Select only the goals that your project will address.

1. Hands on Conservation

a. Protecting and restoring terrestrial ecosystems through initiatives such as preventing deforestation and habitat degradation, planting native vegetation, promoting reforestation and habitat restoration, and removing invasive plant and animal species

e. Preserving biodiversity by protecting habitats, conserving native species, preventing poaching, and monitoring and protecting endangered species

How will you measure your project's impact?

Use only measures that are clearly linked to your goals and will demonstrate the project's impact on participants' lives, knowledge, or health. Find tips and information on how to measure results in the [Global Grant Monitoring and Evaluation Plan Supplement](#). You need to include at least one standardized measure from the drop-down menu as part of your application. (Add rows as needed.)

| Measure | Collection Method | Frequency | Beneficiaries |
|--|----------------------|-----------|---------------|
| Area cleared of Invasives | Measurement in acres | 6 months | 20 |
| Number of Cattle Predated | Carcass count | Monthly | |
| Number of people trained in cut root stock method | Project register | Yearly | 20 |
| Number of people trained in the upcycling unit | Project Register | Yearly | 20 |
| No. of units of Recycled Lantana Board Made and Sold | Project Register | Yearly | |
| Bokashi Training Sessions | Project Register | Yearly | 10 |
| Fodder cultivation Training | Project Register | Yearly | 10 |
| Vulture conservation Team | Project Register | Yearly | 2 |
| No. of Cattle Insured | Project Register | Yearly | 75 |

Do you know who will collect information for monitoring and evaluation?

If yes, please provide the name and contact information for that person or organization and briefly explain why this person or organization is qualified for this task. If no, please tell us how you plan to find a person or organization to complete this task.

Our Partner NGO Arulagam. Arulagam has been working on vulture conservation and environmental education in this region for the past ten years. Their Board member is a part of the State Environmental committee and it is a organization of repute having published many papers as well as done ground level work on conservation.

They have previously Pre covid have had community conservation efforts for vultures and have been running awareness camps in the area. www.Arulagam.com

Step 6: Location and dates

HUMANITARIAN PROJECT

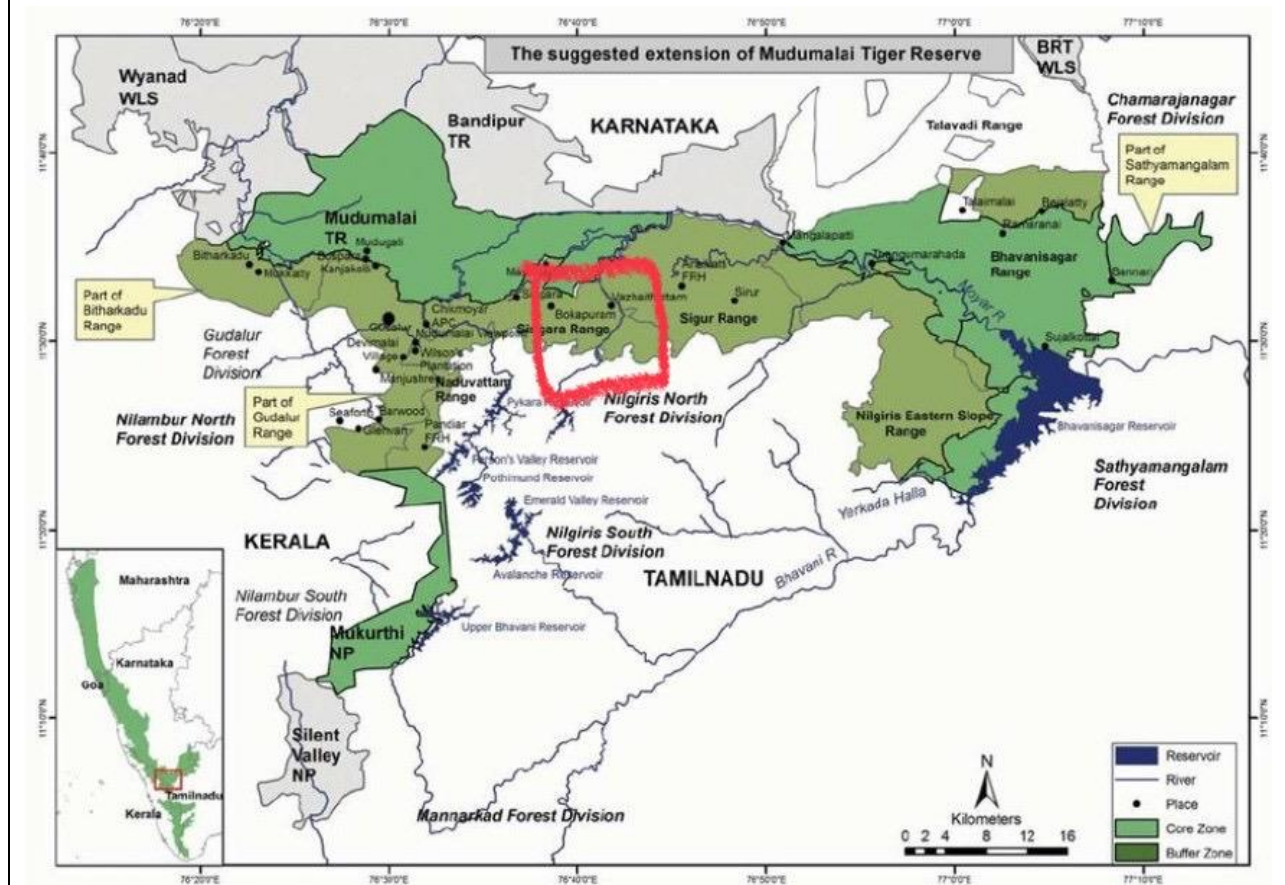
Where and when will your project take place?

Mudumalai Tiger Reserve (MTR) (11°32' – 11°43'N, 76°22' – 76°45'E) lies on the northern flank of the Nilgiri Mountain Range in the Western Ghats and is contiguous with Wayanad Wildlife Sanctuary in the west, Bandipur Tiger Reserve in the north, and Nilgiris Forest Division in the south. The MTR also forms part of the Nilgiri Biosphere Reserve. The area is renowned for its rich ecological diversity of flora and fauna. This is a Project Tiger Reserve and is home to endangered species like tigers, vultures (critically

endangered), elephants, and birds, like the Great Indian Hornbills. The total area of the MTR is 588.59 sq.km of which the core zone is attributed to 321 sq.km. The buffer region has villages made up of tribal populations who use Non-Timber Forest Produce, have cattle, as well as small land holdings for subsistence agriculture. The livelihood opportunities are few, so most youth are leaving the area to look for jobs in nearby cities. Cattle are a mainstay for most populations.

The region in and around Mudumalai Tiger reserve with villages in the Bokkapuram cluster and Semmantham in the period May 2023-26

Study Area marked in red



VOCATIONAL TRAINING TEAM

Give us some information on your team or teams. (Add rows as needed.)

| Team name | Type | Training location | Departure - Return |
|-----------|------|-------------------|--------------------|
| | | | |
| | | | |

SCHOLARSHIP

What are the candidate's estimated travel dates?

Step 7: Participants

VOCATIONAL TRAINING TEAM

In this section team leaders and at least two other members must be added to each team created.

The following documents need to be uploaded for each member: their CV and [Vocational Training Team Member Application](#). Team itineraries must also be included in this step. It is the team leader's responsibility to gather, review, and upload all member documents.

The Vocational Training Team Member Application includes the following questions:

How does your educational and professional experience relate to the selected area of focus?

What is your role in this training? Describe how you will participate.

COOPERATING ORGANIZATIONS (OPTIONAL)

Provide the name, website and location of each cooperating organization.

A cooperating organization can be a nongovernmental organization, community group, or government entity. Please attach Rotary's [memorandum of understanding](#) that's signed by a representative of the organization. (Add rows as needed.)

| Name | Website | Location |
|-----------------------|--|--|
| Junglescapes | www.Junglescapes.org | Field station: Lokkere, Bandipur, India |
| Arulagam | www.Arulagam.org | Field Station: Moyar, Muduamlai Tiger Reserve, India |
| Ms. Geetha Srinivasan | | Leased property in Vazhaithottam for Repurposing Lantana |
| Eco eclectic | www.BinishDesai.com | Repurposing unit set up in Vazhaithottam |

Why did you choose to partner with this organization and what will its role be?

We chose to partner with Junglescapes as their members are from Society of Ecological Restorers and are training for the best practices in Restoration of habitats. They will train for removal of Lantana and Senna

We are working with Arulagam as they have been on the field in this area and have a previous relationship with the villages as well as have been in the frontline of vulture conservation Pre Covid and human animal conflict in the area. They will help with cattle awareness programs for insurance as well as fodder cultivation and setting up community conservation team for vultures. They will also help in managing both the teams on lantana removal as well as repurposing.

Eco eclectic came up with the process to repurpose and upcycle Lantana. They work on finding solutions to waste. More information can be found on their website <https://www.binishdesai.com/eetech>

PARTNERS (OPTIONAL)

Partners may include other Rotary clubs, Rotaract clubs, Rotary Community Corps, or individuals.

List any other partners that will participate in this project.

Other Rotary Clubs in the District- not yet listed

VOLUNTEER TRAVELERS (OPTIONAL)

A grant for a humanitarian project can pay for travel for up to two people who will provide training or help implement the project if the necessary skills are not available locally.

Provide name, email of traveler(s).

Describe this person's role in the project.

SCHOLARSHIP CANDIDATE

Provide name and email for the scholarship candidate. Upload the candidate's admission letter.

ACADEMIC INSTITUTION

Provide the name and address of the academic institution.

ROTARIAN PARTICIPANTS

Describe the role that host Rotarians will have in this project.

Describe the role that international Rotarians will have in this project.

Step 8: Budget

What local currency are you using in your project's budget?

The currency you select should be what you use for a majority of the project's expenses.

USD

What is the U.S. dollar (USD) exchange rate?

USD =82.83 INR 30 Dec 2022

What is the budget for this grant?

List each item in your project's budget. Remember that the project's total budget must equal its total funding, which will be calculated in step 9. Project budgets, including the World Fund match, must be at least \$30,000. (Add rows as needed.)

| # | Category* | Description | Supplier | Cost in local currency (INR) | Cost in USD |
|---|--|--|------------------|------------------------------|-------------|
| 1 | Training | Root cut stock method of Removal of Lantana | Junglescapes NGO | 10,000 | |
| 2 | Habitat restoration | Removal of Invasives Lantana 75 acres in 3 years | Villagers | 40,12,000 | |
| 3 | Lantana repurposing | Using dried lantana to make plywood | Multiple | 21,30,000 | |
| 4 | Travel | Multiple | Multiple | 2,40,000 | |
| 5 | Community Outreach and Veterinary Programs | | | 7,20,000 | |
| 6 | Personnel | | | ₹ 21,57,600 | |
| 7 | Project Management Costs 10% | | | ₹ 9,75,960 | |
| | | | | | |
| | | | | | |
| Total budget: on dec 31/22 inr 83=1 usd | | | | ₹ 1,07,35,560 | 129344.096 |

*Possible categories: Accommodations, Equipment, Monitoring/evaluation, Operations, Personnel, Project management, Publicity, Signage, Supplies, Training, Travel, Tuition

Supporting documents

Upload any documents, such as price bids or pro forma invoices, to substantiate the listed expenses.

Step 9: Funding

Tell us about the funding you've secured for your project.

We'll use the information you enter here to calculate your maximum possible funding match from the World Fund. List all of your funding, including cash contributions and District Designated Funds (DDF). (Add rows as needed.)

| # | Source | Details | Amount (USD) | Support* | Total |
|---|--------|------------------|--------------|----------|--------|
| 1 | DDF | 3203 | 20,000 | | 20,000 |
| 2 | Club | RC Nilgiris West | 15000 | 750 | 15750 |

| | | | | | |
|--|--|--|--|--|--|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

*Whenever cash is contributed to the Foundation to help fund a global grant project, an additional 5 percent is applied to help cover the cost of processing these funds. Clubs and districts can receive Paul Harris Fellow recognition points for the additional expense.

How much World Fund money would you like to use on this project?

16000

Step 10: Sustainability

Sustainable projects provide long-term solutions to community problems — solutions that community members themselves can support after grant funding ends. Your answers to the questions below will help us understand the components of your project that will make it sustainable.

HUMANITARIAN PROJECTS – PROJECT PLANNING

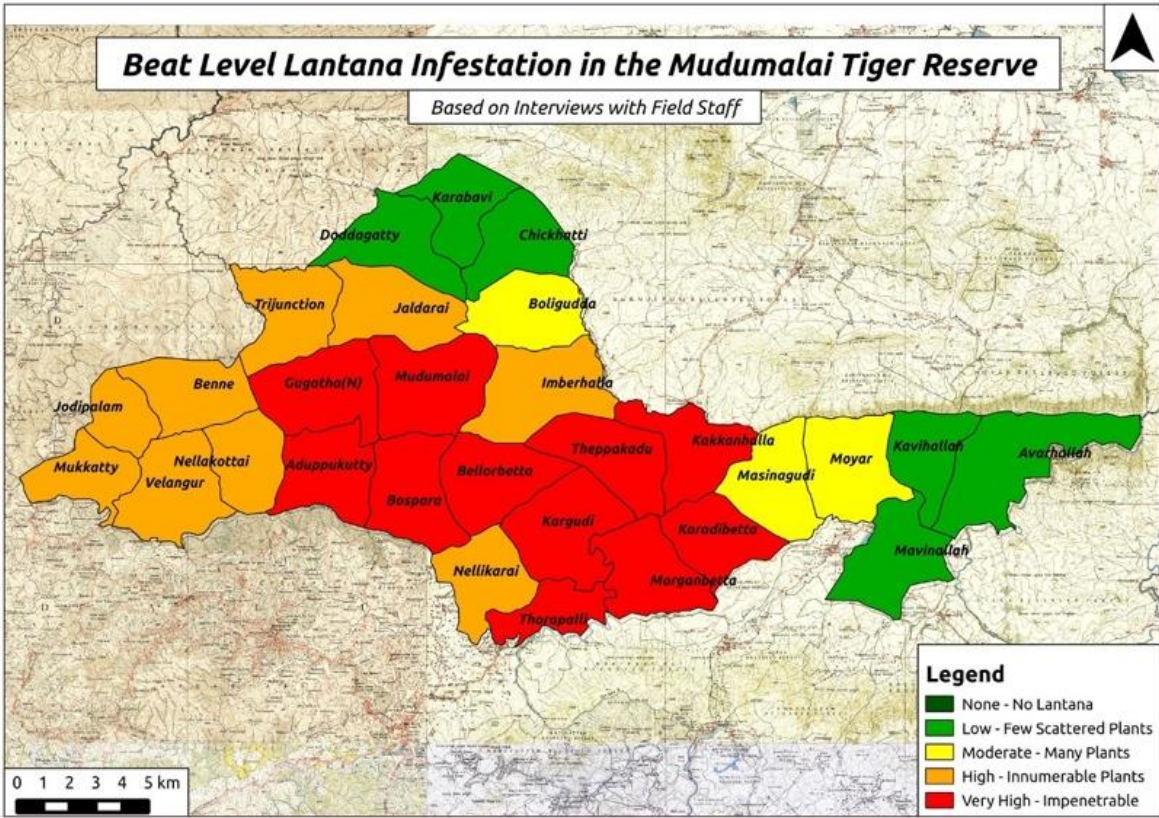
Describe the community needs that your project will address.

This project will deal with human-animal conflict issues and using circular economy involving invasive species provide habitat restoration as well as community conservation efforts.

Mudumalai Tiger Reserve (MTR) (11°32’ – 11°43’N, 76°22’ – 76°45’E) lies on the northern flank of the Nilgiri Mountain Range in the Western Ghats and is contiguous with Wayanad Wildlife Sanctuary in the west, Bandipur Tiger Reserve in the north, and Nilgiris Forest Division in the south. The MTR also forms part of the Nilgiri Biosphere Reserve. The area is renowned for its rich ecological diversity of flora and fauna. This is a Project Tiger Reserve and is home to endangered species like tigers, vultures (critically endangered), elephants, and birds, like the Great Indian Hornbills. The total area of the MTR is 588.59 sq.km of which the core zone is attributed to 321 sq.km. The buffer region has villages made up of tribal populations who use Non-Timber Forest Produce, have cattle, as well as small land holdings for subsistence agriculture. The livelihood opportunities are few, so most youth are leaving the area to look for jobs in nearby cities. Cattle are a mainstay for most populations.

The area in the buffer as well as the core zone has been over-run with invasive species of (click here Lantana camara), (click here Senna spectabilis), Parthenium spp. to name a few. Of these, Lantana and Senna spread very easily and in areas without intervention, form a mid-canopy. This reduces availability of grass and makes areas inaccessible to ungulates who are the prey to the larger carnivores. Elephants cannot move through most of these areas easily. Both these lead to human-animal conflict with depredation of cattle as well as elephants getting into crop land and habitation. Lantana also has the propensity to burn easily in the wildfire season, along with Parthenium, and poses a huge concern for the Forest Department. Senna spectabilis must be uprooted and replaced immediately with fast growing plant

species.



We have had participatory mapping and uprooting of these invasive species but due to labor and financial issues it has been a sporadic effort

The Project envisages removal of Lantana in 75 acres and using the lantana to make plywood.

Lantana camara (covering forest area)



Close up of Lantana camara



Unfinished Lantana plywood

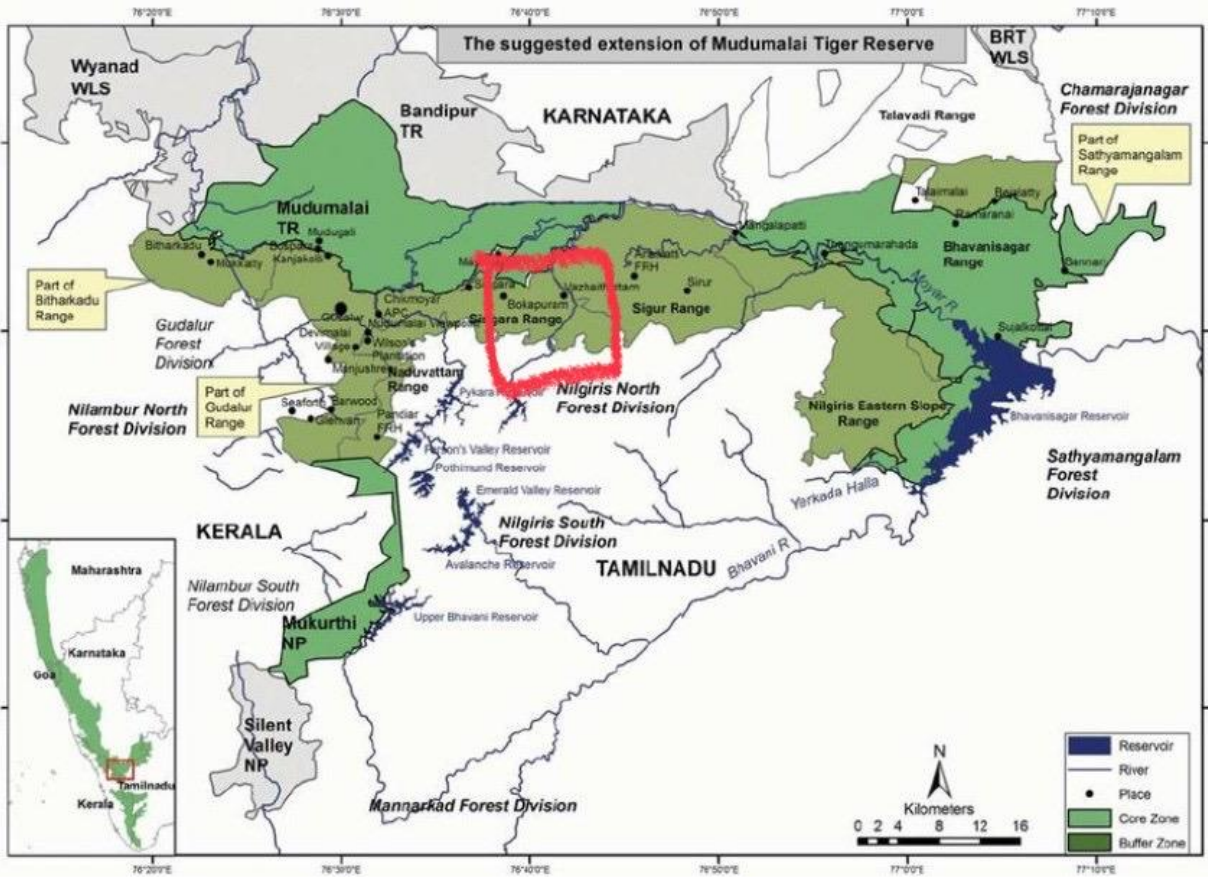


Finished Lantana plywood



Both these activities generate employment and serve as a pilot to create similar modules for restoring the habitat. Community based conservation watch for the critically endangered vultures is planned as well as encouraging the animal husbandary unit to set up more cattle camps to talk to villagers about poison baiting and using NSAIDs (Non steroidal Anti Inflammatory Drugs) for cattle that create vulture deaths.

Study Area near the Sigur Range



Indigenous cattle in villages in Moyar



How did your project team identify these needs?

We used the expertise of the partner NGO Arulagam and a PRA (Participatory Rural Appraisal) team from Gandhigram University, Tamilnadu to conduct a PRA with Focus group Discussions, Community meetings, transects and village mapping too understand the problems the villagers in the buffer zone faced. The community assessment reports are attached

How were members of the benefiting community involved in finding solutions?

Members were aware of techniques to remove the Lantana but were not trained. So they expressed an interest in getting trained for this process. The added benefit of finding work in their own area without being migrants also appealed to them. Cattle are a mainstay for many and they expressed interest in fodder cultivation as well as getting involved in cattle insurance and traditional remedies.

How were community members involved in planning the project?

The mapping of the villages and their proximity to the Lantana is the extent of involvement at this point in planning the project.

HUMANITARIAN PROJECTS – PROJECT IMPLEMENTATION

Summarize each step of your project's implementation.

Do not include steps related to fundraising, applying, or reporting. (Add rows as needed.)

| # | Activity | Duration |
|----|---|-----------------|
| 1 | Mapping of Lantana patches with density around Bokkapuram and Semmanatham cluster | 2 weeks |
| 2 | Selection of grids upto 75 acres in these regions working from low infestation towards higher | 1 week |
| 3 | Meeting of all stakeholders | 1 day |
| 4 | Selection of Men 20 and Women 10 for the Lantana projects from villages close to the Lantana (Partner NGO will assist as they work in this area) | 1 day |
| 5 | Employment of a Supervisor for the Lantana removal from the region | 1 day |
| 6 | Training of Lantana Removal team with help of Junglescapes trainers and purchasing of all implements | 1 week |
| 7 | Grass seed identification and collection and storage for women started in the same period with team | 2 days |
| 8 | Based on Lantana grid system, removal of Lantana begins. Grass seeding follows when lantana removed | 150 days/year |
| 9 | The Vazhaithottam center for repurposing electricity is connected and the equipment is set up. The temporary open shed is set up outside the center which is under lease. Training of supervisor and the team is carried out by the eco eclectic team whose process we are using. | 15 days-1 month |
| 10 | Center opens with training for women. Payment is in terms of square feet made. This increases opportunities for more women to benefit and come to the center for a few hours a day. The supervisor will allocate hours with input from the skilled labour in the team. | 3 years |
| 11 | Cattle Camps will be conducted monthly with vet, awareness team from community outreach where the villagers are taught simple home remedies | 3 years |

| | | |
|----------------|--|---------------|
| | to treat cattle, growing fodder, the importance of correct non NSAIDs vet medicines. The relationship between Lantana, depredation, agricultural human wildlife conflict and bait poisoning for wildlife especially vultures will be reiterated. | |
| 1 2 | Market linkage for plywood secured. | 5 months |
| 1 3 | Community conservation personnel from Semmanatham village are selected to work with Arulagam supervisor in mapping vulture nests and keeping a record of kills and cattle depredation. | 3 years |
| 1 4 | Awareness programs on cattle insurance and collecting compensation along with vulture conservation will be carried out by Arulagam | 3 years |
| 1 5 | Profit from sale of the Lantana plywood will be reinvested in increasing areas of Lantana removal and increasing number of women employed in repurposing | 1 year |
| 1 6 | At end of 75 acres clearing and completion of the awareness camps, cattle camps, the project will be closed and handed over to Arulagam to carry forward. All equipment will be handed to them. To continue running the repurposing center in Vazhaithottam the Arulagam NGO will re negotiate and sign lease. | after 3 years |
| | | |

Will you work in coordination with any related initiatives in the community? If yes, briefly describe the other initiatives and how they relate to this project. If no, please explain. Are local initiatives not addressing these needs? Or, if they are, why did you decide not to work with them?

There can be value in working with other groups including governments, nonprofit organizations, and private companies.

We are restricting to our project goals but will work with the departments in helping them with access to issues related to human wildlife conflict. The NGO partner is involved in several other issues on ground and we will help where as a Rotary Club can provide expertise.

Please describe the training, community outreach, or educational programs this project will include.

There are training modules are included in a separate form

How were these needs identified?

These needs were identified during the community assessment. Please see community assessments

What incentives (for example, monetary compensation, awards, certification, or publicity), will you use, if any, to encourage community members to participate in the project?

We are not using any of these

List any community members or community groups that will oversee the continuation of the project after grant-funded activities conclude.

These may or may not be Rotary members or clubs.

Arulagam NGO

VOCATIONAL TRAINING TEAMS – PROJECT IMPLEMENTATION

Describe the training needs that the team will address.

How did your team identify these needs?

Describe the specific objectives of the training, including what you expect training participants to gain from the team's expertise.

How were members of the local community involved in planning the training?

Will you work in coordination with any related initiatives in the community? If yes, briefly describe the other initiatives and how they relate to this project. If no, please explain. Are local initiatives not addressing these needs? Or, if they are, why did you decide not to work with them?

There can be value in working with other groups including governments, nonprofit organizations, and private companies.

What incentives (for example, monetary compensation, awards, certification, or promotion) will you use, if any, to encourage community members to participate in the training?

How will training recipients be supported after the training to keep the skills they acquire up-to-date?

List any community members or community groups that will oversee further training after the project ends.

These may or may not be Rotary members or clubs.

SCHOLARSHIP (SEE BELOW FOR SCHOLAR PROFILE QUESTIONS)**

Describe the process your team used to select this candidate.

How do this candidate's background, studies, and future plans qualify them for a global grant under this area of focus?

BUDGET

Will you purchase budget items from local vendors? Explain the process you used to select vendors.

We will use the process of obtaining tenders from local vendors whenever possible. This for constructing temporary structure. For the motorcycle we will look for competitive local bids

Did you use competitive bidding to select vendors? If no, please explain.

For the equipment as well as the machinery for lantana repurposing are custom made so we will go with

what our partners order

Please provide an operating and maintenance plan for the equipment or materials you purchased for this project. This plan should include who will operate and maintain the equipment and how they will be trained.

Through the project period the equipment will be maintained from administrative cost. The club will arrange for periodic maintenance of repurposing equipment as well as the motorcycle. This will include training for the supervisor of the repurposing unit. The motorcycle will be serviced at the local dealer.

Describe how community members will maintain the equipment after grant-funded activities conclude. Will replacement parts be available?

The NGO Arulagam will take over the running of the project after funding period. The profit from the repurposing unit should be sufficient to cover costs. Replacement parts should be available in a 50 km range.

If the grant will be used to purchase any equipment, will the equipment be culturally appropriate and conform to the community's technology standards? If yes, please explain. If no, describe how the project team will help community members adopt the technology.

The equipment will be culturally appropriate as it is a shredder and a lathe which are quite common in the area

After the project is completed, who will own the items purchased by grant funds? No items may be owned by a Rotary district, club, or member.

The items of the grant funds will be transferred to the NGO Arulagam who will be continuing the project

FUNDING

Have you found a local funding source to sustain project outcomes for the long term? If yes, please describe this funding source.

We are looking at the result of circular economy to keep the project sustainable. The Forest Department has skill development schemes and this pilot hopes to attract their attention to use this as turnkey

Will any part of the project generate income for ongoing project funding? If yes, please explain.

There will be income generated in this project but it will not be used for ongoing funding. The fund will be kept aside for expanding the project area after the project. Some funds may be used to increase number of beneficiaries but will not affect the budget sought for the project

Is your economic and community development activity a microcredit project? If yes, upload your [microcredit supplement](#) file.

****SCHOLAR APPLICANTS WILL ANSWER THE FOLLOWING QUESTIONS:**

List the two educational institutions you have most recently attended:

Provide the following information about the academic program you plan to attend:

Matriculating educational institution (including city and country):

Language of instruction:

Website:

Academic program:

Academic program start date:

Academic program end date:

List the classes you plan to take and provide any relevant links to information about the program.

How does your educational, professional, or volunteer experience align with Rotary's goals in the selected area of focus?

What are your plans immediately after the scholarship period?

How do your long-term professional goals align with Rotary's goals in the selected area of focus?