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| GENERAL INFORMATION |
| Brief Description of the project:Post mining land use has become a problem in Jamaica. After the excavation of the natural resources/aggregates, it has been observed that the lands are not properly rehabilitated. In Jamaica, several rural communities have demonstrated use of these lands to the point where they have enhanced livelihoods, generated income, and carried out reforestation efforts. This has allowed communities impacted by mining to realize enhanced environmental health and safety. If more of these lands could be utilized in a meaningful way, then we could achieve reduced negative impact of the mining operations at the community level. The goal of the project, therefore, is to improve environmental stewardship among community members and enhance community livelihood through the sustainable use of mined-out lands. |
| Expected Outcomes:It is anticipated that the overarching outcome of the project will contribute to the fulfilment of National Outcome # 13: Sustainable Management and Use of Environmental and Natural Resources (under the Vision 2030 National Development Plan). Specifically, the project aims to achieve the following:1. Generate a comprehensive map of mined-out lands
2. Conduct environmental impact assessments (EIAs) of identified areas
3. Sustainably manage 1 - 5 hectares of mined-out lands through sustainable forestry, agriculture and water management practices
4. Develop a strategy for income generation using the identified hectares of land under management via rehabilitation, rare earth metals (REMS) extraction and policy development
5. Conduct community awareness to environmental conventions that Jamaica is party to (climate change, land degradation, biodiversity)
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| Expected Outputs:1. Three (3) sensitization sessions with key/relevant stakeholders (i.e. Government, private sector, academia, community CSOs, NGOs, donors, faith based organizations, workers in the sector) on the impact of mining on the community.2. One (1) completed map of mined out lands3. At least three (3) EIAs of the areas with the various stakeholders4. 1 - 5 hectares of mined-out lands rehabilitated5. One (1) draft policy document outlining strategies using the recommendations from the EIAs for sustainable land and water use, with a focus on conservation, among community members, including workers in the mining sector, the indigenous knowledge from the community members would be included in the design of the strategies, along with knowledge garnered from the workshop.6. At least three (3) workshops geared toward disseminating information on strategies and activities that reduce soil, water and air pollution hosted.7. Multifarious partners [at least two (2)] engaged to mobilize support (financial, technical expertise)8. Completed pilot project of REMs extraction from by-product development. 7. At least two (2) national sensitization sessions held toward replication and scale-up on a regional basis8. One (1) published policy document with lessons learned and policies documented, implemented and revised. |
| Please describe how you plan to implement the return to work project: (outline key partnerships and collaborations across sectors in your country as well as any joint collaboration with other countries)The return to work plan will be implemented by the Project Management Team of EHF, in collaboration with key public stakeholders, including, but not limited to, the following:* Mines and Geology Division (MGD): Will be engaged to inspect the mines and approve activities in the field.
* National Environment & Planning Agency (NEPA): To ensure that activities are aligned with preservation and conservation of the environment.
* Jamaica Bauxite Institute (JBI): Assist with mobilizing workers in the industry to participate in sensitization sessions and workshops
* University of the West Indies, UWI (Mona): Provide mine mapping services
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| What indicators of success will you employ? (include indicators of success that go beyond activity-level implementation) Indicators will include:1. Number of stakeholders trained on the impact of mining on the community
2. Number of persons practicing strategies to reduce soil, water and air pollution obtained from training provided
3. One (1) completed map of mined out lands
4. Three (3) EIAs of the mined out areas
5. One to five (1-5) hectares of mined out lands rehabilitated
6. Completed pilot project of REMs extraction from by-product development
7. One policy document drafted outlining strategies using the recommendations from the EIAs for sustainable land and water use, adapted by Government
8. One published policy document with lessons learned and policies documented, implemented and revised
9. Financial and technical support obtained from multifarious partners
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| What other strategic opportunities have you identified that will contribute to the success and sustainability of your project?(include linkages to sub-regional and regional agenda)1. Environmental Development & Community Empowerment: Opportunities in entrepreneurship in the emerging REM extraction industry will create a myriad of wealth creating and new business development in the region. Using bauxite waste material to supply referenced rare earth metals (elements) which have their specific applications in value added products such as in the electronics and automotive industry will provide a sustainable, low-cost source of potential high value commodities. Returns from pilot projects can be used to fund other derived projects.
2. Environmental Development & Community Empowerment: Cottage industry development using bamboo for reforestation. The numerous uses of bamboo, for example, in water filtration, furniture and charcoal making, etc. will present opportunities for wealth creation through community cooperatives. Returns from projects can be used to fund other derived projects and split in a profit share agreement across cooperative members.
3. Education: Training and mentorship opportunities for undergraduate university students in geological mapping by partnering them with industry professionals will fulfill EHF’s mandate in the educational sector through this facilitation.
4. Overall: PPPs which will strengthen sectoral relationships between government, private sector, academia, community CSOs, NGOs, donors, faith based organizations and workers to initiate and substantiate national development which can then be scaled up to incorporate regional development
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| What aspects of the training will be most useful in implementing your project? Explain The exposure to real world examples of industry practices has been edifying in its processes and applications. It will provide the opportunity to liaise with industry professionals and provide a platform which fosters mutual understanding and create an enabling environment for policy development. Moreover, the linkages made at the sessions serve as the introduction to the establishment of the PPP alluded to in the foregoing.  |
| What are your future plans? (Include any additional capacity building needs for your professional development that you have identified during the course of the workshop).* Introduction to Ore & Mining Geology for team of four (4) persons
* Sustainable Mining Practices & Rehabilitation Techniques for team of four (4) persons
* Introductory Mapping for team of four (4) persons
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| ACTION PLAN |
|  Period Activities  | Month 1 | Month 2 | Month 3 | Month 4 | Month 5 | Month 6 | Month 7 |
| Activity 1: Host three (3) sensitization sessions with key/relevant stakeholders (i.e. Government, private sector, academia, community CSOs, NGOs, donors, faith based organizations, workers in the sector) on the impact of mining on the community. |  |  |  |  |  |  |  |
| Activity 2: Conduct mapping of mined out lands |  |  |  |  |  |  |  |
| Activity 3: Conduct EIAs of the areas with the various stakeholders |  |  |  |  |  |  |  |
| Activity 4: Identify and reforest (where feasible) 1-5 hectares of mined-out lands |  |  |  |  |  |  |  |
| Activity 5: Design strategies using the recommendations from the EIAs for sustainable land and water use, with a focus on conservation, among community members, including workers in the mining sector, the indigenous knowledge from the community members would be included in the design of the strategies, along with knowledge garnered from the workshop |  |  |  |  |  |  |  |
| Activity 6: Host workshops geared toward disseminating information on strategies and activities that reduce soil, water and air pollution |  |  |  |  |  |  |  |
| Activity 7: Mobilize support (financial, technical expertise) |  |  |  |  |  |  |  |
| Activity 8: Conduct pilot project of REMs extraction from value added product development |  |  |  |  |  |  |  |
| Activity 9: Organize national sensitization toward replication and scale-up on a regional basis |  |  |  |  |  |  |  |
| Activity 10: Review/revise the policies/implement relevant policies for sustainability. |  |  |  |  |  |  |  |