***Increasing Safe Water for Healthy Lives***

**An Application for Funding for**

**Increasing Access to Safe Drinking Water**

**Through Water Borehole Drilling**

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**A Cover Sheet**

**Project Title:**

*Increasing Safe Water for Healthy Lives*

**Name of Entity and Acronym of Organization**

Committee for Peace and Development Advocacy Sweden (COPDA SE)

**Contact Information and Address:**

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**Project Beneficiaries:**

|  |  |
| --- | --- |
| **Total No. of Households** | 600 |
| **Total No. of Beneficiaries** | 5,000 |

**Target Country and Communities:**

Eight (8) Mine-affected Communities in Nimba County, Liberia, West Africa:

Sehyi Geh, Makinto, Zolowee, Gbapa, Bolo, Liagbala, Bonlah and Camp Four

**Overall Project Goal:**

To increase access and availability of safe drinking water as a measure for preventing the spread of water borne diseases as well as COVID-19;

**Funding Amount Requested:**

**$ 42,618.51**

**Summary Description of Project:**

COPDA will build a system of sustainable community-managed sources of safe drinking water within mine affected communities of Nimba County, Liberia. This will be carried out through the drilling of boreholes and installation of hand pumps within eight mining communities in Nimba County, Liberia. Following the construction of safe water supply sources, COPDA will establish Water Management Committees in each community to ably manage and maintain the water pumps, ensuring proper management and strict hygiene practices are enforced.

1. **Background**

Nimba County contains most of the country’s natural resources and was the birthplace of Liberia’s 14-year brutal civil war. ArcelorMittal (AML) and the Liberian Government entered into a mining concession agreement in 2007 for the extraction of iron ore from Mount Tokadeh located in Nimba County, Liberia. Despite the lucrative nature of the sector, all the mining communities surrounding the mining operations of ArcelorMittal are poor and underserved.

One of the most crucial needs faced by these mining communities is access to safe drinking water. Unfortunately, all the mining communities lack health facilities. In 2017, AML concluded exploration and began extraction of high-grade iron ore at an adjacent mine known as Mount Gangra. Since then, nothing has been done to benefit surrounding mine-affected communities as part of the company’s corporate social responsibility for local communities. Now, hundreds of citizens lack access to safe drinking water. There are no opportunities now to support programs to help address the social impact of mining on at least 600 vulnerable households.

Realizing the crucial nature of safe water to sustaining lives and the importance of adequate handwashing as a safety measure in preventing the spread of water borne diseases as well as COVID-19, COPDA Sweden herewith submits this application for funding which is intended to increase access to safe drinking water within eight communities affected by mining in Nimba County, Liberia.

1. **Project Objectives**

The overall goal of this project is to provide adequate access and availability of safe water as a measure for preventing the spread of water borne diseases as well as COVID-19. This will provide daily at least 2 liters of safe drinking water to each of the 5000 persons targeted.

The objectives of the project are to:

1. Reduce community health risks caused by limited access to safe drinking water; and
2. Increase awareness on community health and hygiene.
3. **Project Activities**

COPDA will undertake the following activities with support from our donor partner:

1. **Siting the Borehole Location, Borehole Drillings and Installation of Hand Pumps**

Using the services of our Technical Consultant, COPDA will firstly conduct siting which is basically locating the best spot to drill the boreholes that will have the best performance and water quantity at a lowest possible cost.

COPDA will hire the services of a drill machine which will undertake the drilling and construction of each borehole until water level is reached. An aquifer test will be performed to gauge the yield of each borehole. Following the test, the engineer will supervise the concrete works intended to support the installation and design of each borehole pump.

After the installation of each borehole pump, there will be a brief turn over ceremony during which the water pumps will be handed over to the community leadership and the Management Committee of each community.

1. **Community Health Awareness:**

COPDA will organize a five - member Water Management Committees within each community. The purpose of the committees is to manage and control the use of the borehole pumps, thus ensuring strict compliance with health regulations and hygiene practices.

The Committee shall establish rules and regulations on the use of the pumps by community members, especially the women and children. The committee will ensure the pumps are properly taken care of and managed to ensure sustainability. COPDA will regularly consult with the committee on updates regarding the status of the pumps and water supply within the community.

1. **Project Timeline**

COPDA expects the project will last for **3 months**:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Activity** | **September**  **2020** | **October**  **2020** | **November**  **2020** | **Dec**  **2020** |
| Planning and Mobilization; Visit to communities; Siting (Staff coordination/Contractual Engineer) |  |  |  |  |
| Borehole drilling/Installation of Pumps |  |  |  |  |
| Organizing of and Meetings with Community Water Management Committees; |  |  |  |  |
| Assessment and Evaluation of Outputs |  |  |  |  |
| Project Reporting |  |  |  |  |

1. **Expected Results**

Expected results of this project are:

1. There will be improved access to safe drinking water.
2. There will be improved sanitation conditions within the communities.
3. There will be functional community volunteers to ensure supply of clean water.
4. Stronger ability of the communities to manage and maintain its water supply.

**6.0 Evaluation Plan**

|  |  |
| --- | --- |
| **Goal** | **Evaluation Plan** |
| Objective 1:  Reduce community health risks caused by limited access to safe drinking water; | *COPDA will monitor the process of completion of borehole drilling and installation of pumps.*  *COPDA will monitor the use of all hand pumps and follow up to ensure safe water supply through regular chlorination.* |
| Objective 2:  Increase awareness on community health and hygiene; | *COPDA will hold regular meetings with Water Management*  *Committee members from each community.*  *COPDA will assess the level of compliance with proper management and good hygiene practices related to the overall water supply from each hand pump.* |

1. **Project Budget**

**(Please see attached Excel file)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
|  | **Project Budget** | |  |  |  |  |
|  | **Project: Increasing Safe Water for Healthy Lives** | | |  |  |  |
|  | **(Amounts Expressed in United States Dollars)** | | |  |  |  |
|  |  |  |  |  |  |  |
|  |  | **Water Well Construction (bore holes)** |  |  |  |  |
|  | 1,0 | DRILLING OF BORE HOLE | lump sump |  |  | 3 800,00 |
|  | 1,1 | CEMENT | bags | 10 | 10 | 100,00 |
|  | 1,2 | SAND | cu.yds. | 1 | 12 | 12,00 |
|  | 1,3 | CRUSHED ROCKS 1/2'' | cu.yds. | 2 | 30 | 60,00 |
|  | 1,4 | AFRIDEV HAND PUMP (COMPLETE) | set | 1 | 450 | 450,00 |
|  | 1,5 | CONCRETE BLOCKS 4'' | no. | 35 | 1 | 35,00 |
|  | 1,6 | EXTRA RISER PIPES | no. | 2 | 25,00 | 50,00 |
|  | 1,7 | EXTRA RISER RODS | no. | 2 | 25,00 | 50,00 |
|  | 1,8 | PVC GLUE | pint | 1 | 5,00 | 5,00 |
|  | 1,9 | HTH CHLORINE 75% | gms | 50 | 0,30 | 15,00 |
|  |  | SUB-TOTAL |  |  |  | ***4 577,00*** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  | **Summary:** |  |  |  |  |
|  |  | **8 Bore Hole Wells @ $4,577** |  |  | **$ 36 616,00** |  |
|  |  | **Manpower (5%)** | **$1 830,80** |  |  |  |
|  |  | **Transportation (2%)** | **732,32** |  |  |  |
|  |  | **Management (1.2%)** | **439,39** |  |  |  |
|  |  |  |  |  |  |  |
|  |  | **Follow-up Trip to Liberia** | **3 000,00** |  |  |  |
|  |  |  |  |  |  |  |
|  |  | **TOTAL BUDGET** |  |  |  | **$ 42 618,51** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |