Project Name: Cepac Brazil Solar Panel

LEAD TIME: 6 MONTHS[1]

1. IDENTIFICATION OF THE ORGANISATION OF CIVIL SOCIETY

Osc Name: Association for the Protection of Children and Adolescents - CEPAC.

Address: Rua Martim Afonso de Sousa, 72 **Bairro:** Parque Imperial

City: Barueri **State**: SãoPaulo ZIP **Code**: 06462-130 **Phone**: 55 11 4195.9060

E-mail: cepac@cepacbarueri.org.br **Website**: www.cepacbarueri.org.br

CNPJ No.: 65.698.052.0001-29 - **Cnpj Registration Date:** 08/06/2002

Main Activity: Social Assistance Area

1.2. IDENTIFICATION OF THE LEGAL REPRESENTATIVE OF THE CIVIL SOCIETY ORGANISATION

President: Carlos José Meismith E-mail: cepac@cepacbarerueri.org.br

General Coordinator: Ivone Antunes Teixeira E-mail: ivone@cepacbarueri.org.br

2.SUMMARY

In the midst of the 26th United Nations Conference on Climate Change – COP26 and the reality of global warming and its catastrophic consequences for biodiversity and humans, it is imperative that everyone seeks greater awareness and actions aimed at mitigating the gases that cause the greenhouse effect and consequently global warming.

The UN Intergovernmental Panel on Climate Change (IPCC) found that the rise in the planet's temperature is the result of human actions due to the lack of analysis and control over the impact of some types of technologies that have driven pollution and degradation of the environment such as burning fossil fuels (coal and oil), releasing large volumes of carbon dioxide (CO2), methane, and other elements.

In compliance with SDGs 7, 10,11 and 17 (Sustainable Development Goals) and in the midst of this economic and social context, the institution aims to contribute to the reduction of greenhouse gases by replacing its energy matrix with a renewable and clean system with the installation of a photovoltaic solar energy panel in its headquarters unit where it serves each year, around 500 families in situations of social vulnerability with their projects and programs.

[1] From the moment we capture the total amount for project execution.

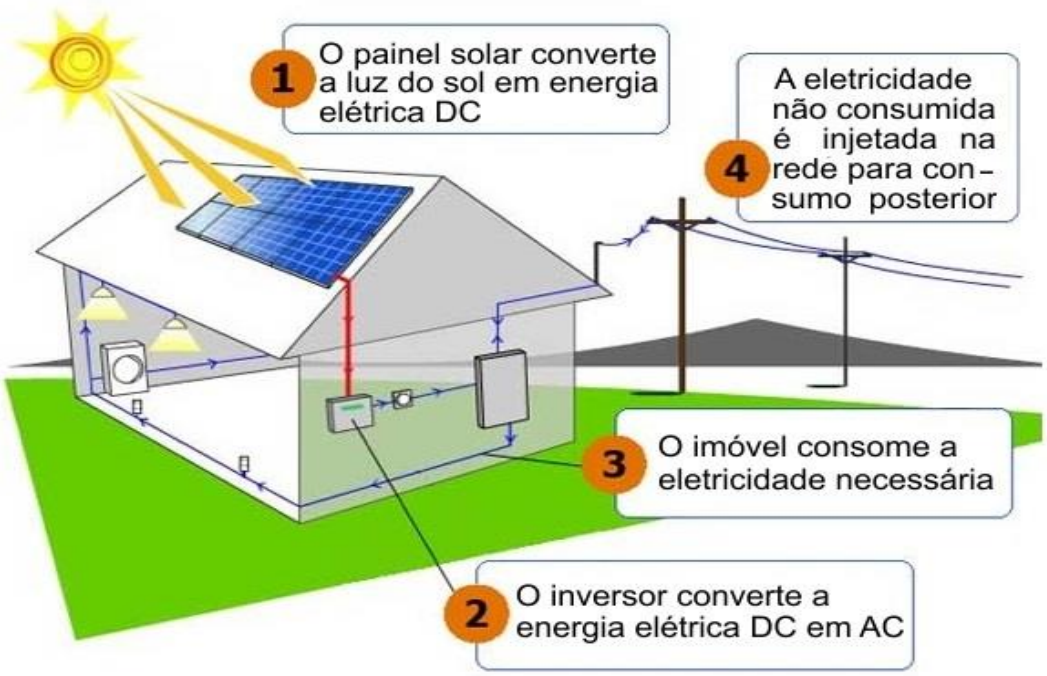
3. CHALLENGE

Curbing global warming is the great challenge today and also for future generations, which, according to studies by the IPCC (Intergovernmental Panel on Climate Change) whose goal is to limit the rise in temperature to 1.5ºC by 2100 by adopting technologies capable of converting primary energy, with lower costs and more efficiently, have enabled the increasing replacement of coal and oil by renewable resources in addition to reducing economic expenditures.

4. SOLUTION

In a scenario of great scarcity of natural resources, worsening of the global climate situation and increased demand for energy, a growing expansion is experienced by the search for alternative energy sources. Investing in the decarbonization of the electricity sector by migrating to renewable sources is a way to mitigate the greenhouse effect by adopting green solutions to basic demands of the population that are not yet accessible to everyone, such as solar photovoltaic systems.

At this time of pandemic, economic crisis and unemployment in Brazil, this means important gains for energy security and diversification of the electric matrix, in addition to reducing greenhouse gas emissions.



5. LONG-TERM IMPACT

The use of renewable energies causes, in the long term, the reduction of the concentration of polluting gases in the atmosphere, which makes it an important factor for the control of the greenhouse effect and in the preservation of natural resources, besides generating savings for the institution regarding the electricity bill in its units.

As a place to stimulate reflection, the institution has a role of great importance in the formation of 'young people and children, who will have contact with sustainable technologies favoring the construction of a collective consciousness, and adults more engaged in the conservation of the environment.

Another important factor to be considered with the capture of solar energy is the reduction of the gases that cause the warming of the planet, it is estimated that, with the installation of the photovoltaic system, we will avoid the emission of 512,760 kg of CO2 in the atmosphere that is, the equivalent of carbon sequestration of 3,663 trees.

If we want a fairer, healthier future and in harmony with the environment, we need to prioritize concrete solutions: it is not enough to stop destroying, we need to invest in the restoration of nature with social inclusion.

6. GENERAL OBJECTIVE

Develop a photovoltaic electric power project and install a solar power system as well as raise awareness among users and the community about the importance of clean energy for the planet's environmental sustainability.

6.1 SPECIFIC OBJECTIVES

1. Study and analysis of energy efficiency of the NGO
2. Preparation of photovoltaic system design, maximum and minimum energy production capacity according to environmental variations / value
3. Acquisition of electrical equipment and adaptations
4. System Installation
5. Study and dissemination of the advantages of the renewable energy system itself (economy for NGOs, Carbon Sequestration, Environmental Awareness)

7. TOTAL VALUE OF PROJETO_____

R$ 100 THOUSAND REAIS

R$ 56,000 - Telefonica Vivo Foundation

R$ 44,000 - value to be captured (OR U$ 10,000 DOLLARS)

8. FISICO-FINANCIAL SCHEDULE

STEPS/ACTIVITIES	DESCRIPTION	ACCOUNTABLE	VALUE R$	PERCENTAGE COMPLETED	PERIODS 1 2 3 4 5 6
STEP 1			50k		
Activity 1.1	Study and analysis of energy efficiency of the NGO	Students Technical Energy Course at SENAI Piritura/SP		**100%**	
Activity 1.2	Preparation of photovoltaic system design, maximum and minimum energy production capacity according to environmental variations / value	Students Technical Energy Course at SENAI Piritura/SP		**100%**	
STEP 2			100K to capture		
Activity 2.1	Acquisition of electrical equipment and adaptations	Cepac		**0%**	
Activity 2.2	System Installation	Company D'Argento Eletroeletronica		**0%**	
STEP 3			0		
Activity 3.1	Study and dissemination of the advantages of the renewable energy system itself (economy for NGOs, Carbon Sequestration, Environmental Awareness)	Cepac and Students Technical Energy Course at SENAI Piritura/SP		**0%**	

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STEP 2			100K to capture	
Activity 2.1	Acquisition of electrical equipment and adaptations	Cepac		**0%**
Activity 2.2	System Installation	Company D'Argento Eletroeletronica		**0%**
STEP 3			0	
Activity 3.1	Study and dissemination of the advantages of the renewable energy system itself (economy for NGOs, Carbon Sequestration, Environmental Awareness)	Cepac and Students Technical Energy Course at SENAI Piritura/SP		**0%**