HI Sustainability Fund 2020

➢ **Purpose/objectives of the project activity —**
The main purpose of the new system is to minimize gas emissions to the atmosphere and to make the processes of heating and cooling the hostel more effective.

➢ **The Sustainable Development Goals that the project addresses and how**
By changing the heating/cooling system to a new one - a VRF system, we hope to achieve a complete stop of the CO2 emission and to increase the energy efficiency of the hostel.

➢ **Methodology**
It is a new closed air-conditioning electric system with gas pipes. The condensers we have outside the building send air to the inside units. We control the temperature, the engine works to reach this exact temperature, and it also prevent use of extra energy. The system keeps the energy and use it for it's own work.

➢ **Monitoring plan**

➢ The system is connected to a smart computerized control system. All hostel's spaces including guest's rooms, halls, dining room classrooms etc. are connected to the control system. This system includes volume detectors to recognize people's moves and it shut itself when the space is empty. In addition we have a magnetic micro switch in each door to ensure that lights and air condition is shut off when the guest leaves the room. The system is wired to a computer in the reception. The hostel team can easily watch this computer 24/7 and take care of the system. We can also have reports from the computer.

➢ **Contribution of the project activity to the ten areas**

➢ The Israeli association is doing a lot in sustainability matters: changing old systems into new and efficient systems; trying to produce less pollution and to emit less CO2; we are doing efforts to involve all our hostels in these processes and to contribute as much as we can to protect the nature and the environment.

➢ **Environment, social and economic impacts**
Since it is an electrical closed system, there is a complete stop of gas emission. (Expectations for money savings are detailed in the ROI section).

➢ **Estimation of emission reductions (CO² tonnes). Provide calculations and an estimate of how it will reduce the carbon footprint of the hostel.**
Currently the hostel use about 40 tons of gas per year. This will reduce CO2 emissions by 90,000 TCO2E

➢ **Saved funds and return of investment (ROI). How much do you anticipate saving on bills after completion of the project? Provide calculations and where savings will be invested**
The current energy costs of is about 59,000 GBP per year. Using the new system will save us about 12,000 GBP per year and the ROI is 5.

➢ **Why should the project be funded ahead of others?**
The Israeli association is very active in sustainable subjects. We invest large amounts of money in sustainable projects in order to improve and optimize all our systems and be energy efficient as much as we can. We think it has a great importance to improve the systems in the hostel and to invest in sustainability. By saving energy costs, the hostel can reallocate its resources to improve the services, to develop educational programs etc.

Click here to vote now

> **Outline a sustainable communication plan for guests and stakeholders: how will you ensure guests and stakeholders know you have won the competition and that the project is being implemented? Provide examples.**

> We advertise our sustainable actions, as well as HI's actions, in the hostels (bulletin board) and in our newsletter. Besides, we share the HISF details with our guests and potential guests through new media: website, Facebook etc. We will add this subject to the news

Click here to vote now