

## TEK foundation funding Facesheet

Project number: <i>(To be filled in by Secretariat)</i>	Date received by Secretariat:	Late / Not late <input type="checkbox"/> <input type="checkbox"/>
<b>Name of NGO/Working Group: BEAUTIFUL TAIWAN FOUNDATION, ROC</b>		
<b>Title of Project:</b> Computer and Internet Access and Applied Proposal—Set Up A Internet and Learning Centers in Zen-I township of Nan-tou County, ROC		
<b>Proposing organization: Beautiful Taiwan Foundation</b>		
Co-sponsoring organization(s): (1) Zen-I Township Government, Nan-tou County, Taiwan (2) Fu-zen University, Taiwan (3) Dow Company, Nan-tou County, Taiwan		
Project Overseer: Name, Title and Organization <b>Chiang, Le-yi /Executive Director</b>		
Postal address: 8F-3, No. 106, Roosevelt Road Sec. 3, Taipei, ROC		Tel: 886-2-23621823/0910501486 Fax:886-2-23621825 Email: <a href="mailto:btf3588@ms7.hinet.net">btf3588@ms7.hinet.net</a>
Financial Information	Total cost of proposal (US\$): <b>269,000(3 years)</b>	Amount being sought from TEK Foundation (US\$): <b>269,000</b>
Type of Project: <input type="checkbox"/> ICT infrastructure      X Education Resource Centers      X village centers <input type="checkbox"/> survey or analysis and research      X database/website <input type="checkbox"/> others <i>(Please specify)</i>		
Project start date: 2004/02/01		Project end date: 2007/01/31
<b>Project Purpose:</b>		
<ul style="list-style-type: none"> <li>• Bridging the digital divides in the villages of Zen-I township in the center of Taiwan.</li> <li>• Development of a curriculum in permanent agriculture (sustainable eco-village).</li> <li>• Make an inventory of natural and cultural resources of the bio-region.</li> <li>• Consolidate the Atayal and Bunun Tribe traditions, stimulating their crafts and songs with their own culture and daily living.</li> <li>• Use the ICT to improving the agriculture and promoting ecotourism in the villages.</li> <li>• The consolidation of Eco Villages through the ICT-ERCs programs regarding the existing and potential productive activities that generate an economy based on Micro-businesses and Cooperatives.</li> <li>• Make a record of all the experiences to be used as Educational documents or Data bank to share with the</li> </ul>		

surrounding communities and national institutions.

### **General Background of Zen-I Township:**

1. Zen-I is in the mountain area in the center of Taiwan, the attitude is from 1,000 to 3,000 meters. There are 14 villages (23 habitats) and 5,000 families in the Zen-I Township. The population is about 16,000 people. The area is 1,273 square meters.
2. There are 15 primary schools in Zen-I Township, but the educational resources are poor. Every school has computer classroom for the class. But seldom open to the public. There is only one public library and one middle school.
3. The 921 earthquake in Taiwan had damaged 500 buildings in Zen-I Township 1998.
4. The educated people beyond college is just 4%, high school is 30%, middle school is 14 % , primary school is 30%. The average educated is lowest in Taiwan.
5. The PC penetration rate is below 10%, Internet penetration rate is also very low in Zen-I Township.

### **Existing Issue:**

1. Low income-90% are low income farmers, not being aware to enhance productivity, nor marketing the products. Residences are struggling on the edge of poor life, and are possibly forced to abandon their cultural asset.
2. To retain people to sustain village development is challenging because local residents mostly are elderly women and children due to outflow of young people to cities for a better living.
3. Low education: Residents are low educated and are losing competitiveness in the market. Most people can't afford education for kids due to poor economic capability.
4. No good medical aid: Residents must seek medical service outside of village such Taichung or Puli because no medical aid installed. Overall residents have poor knowledge on personal hygiene.

### **Project Implementation:**

1. Improve life quality by enhancing their organic farming skill, productivity, and product marketing channel by good use of e-technology.
2. Increase their capability for a self-sustaining independent village by proper management and development of the ecological environment and cultural asset—promote eco-tourism, Bunun cuisine, cultural performance.

3. Identify and develop a strong leadership team in the village to retain people for sustainable development.
4. Train up residents with internet tool to maximize educational resources to increase competitiveness and fill up the technology gap between remote village and cities. Promote the village's identity with a dedicated website.
5. Provide basic internet video access to enable remote medical consultation from Puli Christian Hospital to patients and the general hygiene education to residents.

Signature of Project Overseer:

*(Separate written confirmation acceptable for email submission)*

Date:

Signature of NGO President/WG Lead Shepherd:

*(Not applicable to Progress Report and Evaluation Report)*

*(Separate written confirmation acceptable for email submission)*

Date:

**Necessary Government Supplementary Documents:**

**National e-Learning Plan (Appendix 1 will be provided later by MOE)**

**National e-Government Plan (Appendix 2 provided by RDEC in a separated file)**

**Supplementary Documents from proposed agencies/NGOs:**

**Local e-commerce Plan (i.e. how to provide ICT education for local small and medium sized enterprises in farming, handicrafting etc.)**

**Local e-culture plan (i.e. cultrue conservation, tourism...etc.)**

## **Format for Projects Seeking TEK Funding**

*Please provide your answers in point form or as succinctly as possible below each paragraph heading.*

### **A. Project Design**

#### **Project**

01. Name of project.

**Computer and Internet Access and Applied Proposal—Set Up A Internet and Learning Centers in Zen-I township of Nan-tou County, ROC**

02. Name of the working group or committee taking responsibility for the project and the dissemination of its results.

**BEAUTIFUL TAIWAN FOUNDATION, ROC**

#### **Objectives**

03. Describe briefly how you will measure your results (in the short and longer term) to know if your project has been successful. (You must provide detailed assessment measures in paragraph 10)

#### **In the short term:**

- (1).Set up a central ICT-ERC equipped with 60PCs and ADSL wide brand internet access in Wusur of Zen-I Township.**
- (2).Finding a group of people in the communities who are able to manage and operate ICT-ERC. This group will become pioneers for the communities.**
- (3).Offer training courses on internet and media software.**
- (4).Residents come to ICT-ERCs and use the services on a periodical basic and continue.**
- (5).Through training programs regarding the existing and potential productive activities that generate a cultural based on digitalized-village website and micro-business.**
- (6).Develop networking among ICT-ERCs in regionally.**
- (7).There will be a model of ICT-ERC to replicate/duplicate in other locations in the context of sustainability activity, replicable activity, flexibility various activity and capability implementation of the ICT-ERCs.**

### **In the long term:**

- (1). Bridging the digital divides in the villages of Zen-I township in the mountain area of Taiwan.**
- (2). Development of a curriculum in permanent agriculture (sustainable eco-village). Develop networking among ICT-ERCs in regionally.**
- (3). Consolidate the Atayal and Bunun Tribe traditions, stimulating their crafts and songs with their own culture and daily living.**
- (4). Use the ICT to improving the agriculture and promoting ecotourism in the villages.**
- (5). The consolidation of Eco Villages through ICT-ERCs programs regarding the existing and potential productive activities that generate an economy based on Micro-businesses and Cooperatives.**
- (6). Make a record of all the experiences to be used as Educational documents or Data bank to share with the surrounding communities and national institutions.**

### **Linkages**

04. The kinds of institutions or people intended to benefit from the results of the project. Highlight the direct benefits to the institutions, the types of NGOs or business which will benefit from the results of the project and what the direct benefits are.

**Beautiful Taiwan Foundation as a NGO/NPO had worked together with the residents for many years, and had tried hard to get some help from the difference resources to promote community activities. Recently we start to improve the living standards and to build up an eco-environmental village. This is just a staged report about a successful case to setting up a wireless internet center in the village. Because there are more than five hundreds tribes in Taiwan that are all in the similar situation, and they need to face more difficulties than the people in the urban areas.**

**We do believe the IT tool could be more useful in the village by set up a friendly environment, such as wireless internet access environment. Bridging the divide in these areas need more understanding and bottom up thinking to meet the truly need of the community. Make information and make knowledge by the village people is the basic empowerment. May be we should share with the aborigines and facing the era of Information Society by more understanding.**

- (1) Aim to promote equality and diversity by providing ICT-enabled opportunities to underserved segments of the population, particularly low-income residents, farmers, women, children, and minorities.**

- (2) **Effectively promote improved policies** for telecommunications, the internet, or information infrastructure in developing countries, or market-oriented regulatory environments that encourage investments in the local ICT sector;
- (3) **Seek to develop human and institutional capacity** at the community, national or regional levels, for the wider use of ICT for economic and social development purposes;
- (4) **Facilitate multi-stakeholder consensus and collaboration** regarding decision making and action taking as to increase access to ICT infrastructure and better service delivery in developing countries;
- (5) **Promote networking and knowledge dissemination** regarding applications of ICT for social and economic development.

05. How the participation of the business/private sector and non-governmental institutions has been sought or will be sought. Illustrate how the NGO or business/private sector has been involved in the planning and delivery of the project and whether any other WSIS fora have been consulted.

**Beautiful Taiwan Foundation had already done a pilot program in Chu-bean village of Zen-I township. Some achievements and some progress learned in this stage**

- (1) **Some teenagers can use PC or access into internet whenever they like.**
- (2) **We had edited a few issues newsletters which called the voice of Chu-bean. It is a channel for the residents to express their voice.**
- (3) **Through the e-mail the communication is more easy and useful for promoting the community development project.**
- (4) **Bunun Tribe is famous for singing which called multi-track harmonic song, by digital video camera we had taken many films and put on the Website. We can watch and listen from everywhere in the world. They can perform good dances also..**
- (5) **We had organized many eco-tour and after the tour all the pictures put in the web or by hyper-link. We can show the beauty of Chu-bean. The Web we use it as a Digitalized Virtual-village.**
- (6) **We had tried to set up an e-business to sell some vegetable through e-mail. But is just in the experience stage. As our point of view, as a eco-village may be attract people come in and consume inside is more valuable.**

06. An indication of how the project might contribute to related projects or activities in your country.

- (1) **Aboriginal people in Taiwan had no character so less of them are good in writing or even reading for them is difficult. So the education not just to teach them how to use PC in collecting information or studying tudy the textbook about the knowledge of out world. by e-learning. The village or the people have plentiful culture and beautiful language that is the**

treasures of Taiwan. The main mission to bridge the digital divide for aboriginal people should be aimed on recording the daily life and all the nature in the village.

- (2) PC or internet in the village should be as a tool to modify or to replace some old or en-effective job. To let more officials and more people outside to know the real life and real needs in the village is at least we can do by IT.
  - (3) Because our government or the school system in Taiwan did care the real needs and real digital divide in far-village. Even we had applied to some agency for help all were turned down or be rejected. So we just do our best and in economical way.
  - (4) Our project can be run as a best practice by bottom up. The people of the rural village can also make information and make knowledge either.
07. Describe the deliverables of the project and demonstrate how they will meet the needs of the targeted beneficiaries.

**In Phase one:**

**Set up a center office and call on a committee to implement the project:**

**Plan and write down the project specification**

Design Document

User Manual

Group Research Paper

Group **Project** Poster

Individual **Project** Report

Course Management System comprised of the following components:

o Website Management System

o Tutorial Management Tool

o Archiving System

o Calendar System

o Printing System

**In Phase two:**

Set up a central ICT-ERC and a model digital village.

Offer the internet application training course every month by day and

night.

Invite university students as the volunteer in teaching and application work.

**In Phase three:**

Divide the 60 PCs to 5 groups and set up in the different villages.

Encourage the residents use the pc to keep ecological data and cultural images data.

Train the residents to build their own website as e-business window to the market.

### **Timetable and Milestones**

- 2004.05 Report: Definition and Theory / Background Chapter (including literature survey)
- 2004.08 Set up the ICT-ERC in the Zen-I township.  
First implementation running
- 2004.10 Evaluation of implementation by the users.
- 2004.12 Report: Chapters on Implementation and Testing. Final implementation completed. Outline of complete report.
- 2005.01 First draft of report
- 2005.02 Final report hand-in and final web page with **project** outcomes, linking to the report
- 2005.03 Second year project begin
- 2005.05 **Project** demonstration to supervisors and second readers
- 2005.09 Second year mid-term report
- 2006.02 Second year Final **project** presentation
- 2006.03 Third year project begin
- 2006.05 **Project** demonstration to supervisors and second readers
- 2006.09 Third year mid-term report
- 2007.02 Third year Final **project** presentation

### **Budget**

8. An itemized budget for the project, including provision for any publication and dissemination of project results, in the prescribed format.

#### **Amount requested of the ICT-ERC program**

The breakdown would be approximately as follows:

#### **First Year 2004(Hardwares and softwares)**

- 48,000 60 personal computers @ 8,000 each (divided to three groups)
- 5,000 Wirless Network cards, accessories, and softwares
- 10,000 a few phone lines and ADSL accounts for Internet access (\$80 installation, \$40/month for phone, \$50/month for ADSL)
- 20,000 scanners
- 10,000 digital cameras and video camers
- 10,000 Miscellaneous(Printers and Diskes)
- 18,000 A full time manager@\$1,500/month
- 24,000 Two full time job engineer @\$1,000/month
- 10,000 1,000 hours teachers and center managers @\$10/hour
- 10,000 2,000 hours assistants @ \$5/hour

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**Total U\$165,000**

**Pay from second Year for 2005, 2006(personnel and maintain fees)**

18,000 A full time manager@\$1,500/month  
24,000 Two full time job engineer @\$1,000/month  
5,000 500 hours teachers and center managers @\$10/hour  
5,000 1,000 hours assistants @ \$5/hour

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**Total U\$ 52,000**

9. A timetable for the drawdown of TEK funding requested for the project, including details of any advance payment or instalment payment requested and justifications for such requests.

**2004 U\$165,000**  
**(Hardwares and softwares and personnel fees)**

**2005 U\$ 52,000**  
**(annual maintain and personnel fee)**

**2006 U\$ 52,000**  
**(annual maintain and personnel fee)**

### **Assessment of Project**

10. With reference to your objectives stated in paragraph 3, provide detailed criteria (quantitative and qualitative) for how you will measure your results in the short and long term to know if your project has been successful. State your current benchmarks for measurement, your target results from the project for each measurement criterion and the range of acceptable results both in numerical and percentage terms, where possible.

#### **In the short term: (First and second year)**

**(1).Set up a central ICT-ERC equipped with 60PCs and ADSL wide brand internet access in Wusur of Zen-I Township.**

**(2).Finding a group of people in the community who are able to manage and operate a model ICT-ERC in Chu-bean village. This group will become pioneers for the community.**

The 30% of young people involve some or all of the following project stages; planning, research, design, implementation, evaluation and maintenance.

**(2).Residents come to ICT-ERCs and use the services on a periodical basic and continuesely.**

The program will serve the 500 families (95% Indigenous People) of Zen-I Township and any other people who would like to use the ICT-ERCs facilities.

**(3).Through training programs regarding the existing and potential productive activities that generate an cultural based on Digital-village Website and Micro-Business.**

a. Every village has its own website and filled with plentiful digital data.

b. The model one is already put in the internet

<http://www.enpo.org.tw/www/chubean>

<http://far.www.gov.tw/chubean>

**(4).Develop networking among ICT-ERCs in County region.**

a. **Creating a network between ICT-ERC and local school in the Nantou County.**

b. **Promoting residents use internet by cultural activities.**

**In the long term: (the 3<sup>rd</sup> year and afterward)**

**(1).Bridging the digital divides in the villages of Zen-I township in the middle of Taiwan.**

a. **Promote the internet access penetration rate per family in Nantou County raise to 60%**

b. **The 60% residents can send and receive E-mail occasionally and easily.**

**(2).Development of a curriculum in permanent agriculture (sustainable eco-village). Develop networking among ICT-ERCs in Taiwan.**

**Get more technology and information from internet and promote the eco-village project.**

**(3).Consolidate the Atayal and Bunun Tribe traditions, stimulating their crafts and songs with their own culture and daily living.**

**Create a digital cultural village of Atayal and Bunun in Zen-I Township.**

**(4).Use the ICT to improving the agriculture and promoting ecotourism in the villages.**

**Training 100 eco-tour guides and 50 tours every year.**

- (5). The consolidation of Eco Villages through ICT-ERCs programs regarding the existing and potential productive activities that generate an economy based on Micro-businesses and Cooperatives.

**Increase the income of the residents 10% in three year.**

- (6). Make a record of all the experiences to be used as Educational documents or Data bank to share with the surrounding communities and national institutions. Set up a unit digital library with digital record about the living of the residents in Zen-I Township.

**B.Undertaking by the Working Group/Committee**

The (name of Working NGOs/organization) undertakes that, working closely with the IRFD/TEK/CIER Secretariat, due care has been taken that:

and, with regard to the dissemination of results from the project, due care will be taken that:

The project has been reviewed, approved and prioritized by my Committee/Working Group before it is submitted for review.

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**Signature**

Chiang, Le-yi

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**Name of Lead Shepherd or Chair** *(Please print)*

2004-2-15 Taipei, Taiwan, ROC

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**Date and Place**

## General Background of Zen-I Township:

1. Zen-I is in the mountain area in the center of Taiwan, the attitude is from 1,000 to 3,000 meters. There are 14 villages (23 habitats) and 5,000 families in the Zen-I Township. The population is about 16,000 people. The area is 1,273 square meters.
2. There are 15 primary schools in Zen-I Township, but the educational resources are poor. Every school has computer classroom for the class. But seldom open to the public. There is only one public library and one middle school.
3. The 921 earthquake in Taiwan had damaged 500 buildings in Zen-I Township 1998.
4. The educated people beyond college is just 4%, high school is 30%, middle school is 14 % , primary school is 30%. The average educated is lowest in Taiwan.
5. The PC penetration rate is below 10%, Internet penetration rate is also very low in Zen-I Township.

## Existing Issue:

1. Low income-90% are low income farmers, not being aware to enhance productivity, nor marketing the products. Residences are struggling on the edge of poor life, and are possibly forced to abandon their cultural asset.
2. To retain people to sustain village development is challenging because local residents mostly are elderly women and children due to outflow of young people to cities for a better living.
3. Low education: Residents are low educated and are losing competitiveness in the market. Most people can't afford education for kids due to poor economic capability.
4. No good medical aid: Residents must seek medical service outside of village such Taichung or Puli because no medical aid installed. Overall residents have poor knowledge on personal hygiene.

## Projet Implementation:

1. Improve life quality by enhancing their organic farming skill, productivity, and product marketing channel by good use of e-technology.
2. Increase their capability for a self-sustaining independent village by proper management and development of the ecological environment and cultural asset—promote eco-tourism, Bunun cusine, cultural performance.
3. Identify and develop a strong leadership team in the village to retain people for sustainable development.
4. Train up residents with internet tool to maximize educational resources to increase competitiveness and fill up the technology gap between remote village and cities. Promote the village's identity with a dedicated website.
5. Provide basic internet video access to enable remote medical consultation from Puli Christian Hospital to patients and the general hygiene education to residents.

## About Beautiful Taiwan Foundation and Project Overseer:

**The Beautiful Taiwan Foundation (BTF) was established in 1987. The Foundation not only cares for the environment and the conservation of the island of Taiwan, but it also fights for Taiwan's rights on the international stage. It continually challenges itself to promote activities that meet current social trends and take concrete activities to make environmental and conservation issues part of everyone's lives by using new concepts and popular appeals.**

**Beautiful Taiwan Foundation's mission is: (1.) To promote education and publicity on various environmental protection and conservation issues. (2.) To continue the work of promoting education about resource recycling and waste minimization, so that people take a responsible attitude and create a clean, natural, and beautiful environment for themselves and generations to come; (3.) To follow up investigations into the pollution of rivers and coasts by medical waste. To call on the government to build medical waste incinerators and stamp out hospitals that illegally dump waste so that the public can safely enjoy Taiwan's beaches; (4.) To take part in international environmental protection and conservation activities. In addition, to promulgate global conservation ideas and trends to let people understand the natural ecology and actively participate in conserving it.**

**Mr. Chiang, Le-yi**

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<http://www.enpo.org.tw/www/chubean>

#### Current Job

Beautiful Taiwan Foundation Executive Director

Board of Chinese National Policy Strategic Union Promotion Association

Department of IE and Management at Yun-Chi University Adjunct Instructor

School of Law and Management of Fu-Jen University Adjunct Instructor of Common Course of Service Learning

#### Education

BS, Agriculture Engineering of National Taiwan University (1975-1979)

MS, Agriculture Engineering of National Taiwan University (1981-1983)

Executive Program of Technical Management Consultant of Ministry of Education (1994.5)

#### Experiences

Adjunct Instructor of Common Course of Engineer Communication of Yuan-ze University

Deputy Executive Secretary of Chinese High-Tech R&D Association

Research Assistant of Water Resource Bureau of Ministry of Economics

Chief of Activity Section of Chinese Industrial Technology Development Association

Researcher of Industry Bureau of Ministry of Economics

Chief of Project Section of Planning Department of Vehicle Testing Center

Associate Researcher of Engineering Department of National Science Council

Deputy Chief of Project and Budgeting Section of Planning Department of National Science Council

Assistant Researcher of Planning Department of National Science Council

Adjunct Editor of Science Monthly

Instructor of Space Camp of Senseio Culture and Education Foundation

Advisor of Space Technology Education of Chairman of King Car Education Foundation

Instructor of Space Camp of National Central University

Vice Chairman of Chinese Catholic National Gospel Association

### Specialities

Planning and Execution of Environmental Education Campaign

Planning, Coordination, Management, and Execution of Large-Scaled Program

Planning and Development of Technology Policy