TEK foundation funding Facesheet

Project number: *(To be filled in by Secretariat)*	Date received by Secretariat:	**Late / Not late** ☐ ☐

Name of NGO/Working Group: Institute for Information Industry

Title of Project: Digital Liouguei Project—Digital Ecotourism Development of Liouguei Township, Kaohsiung County, Taiwan

Proposing organization: Institute for Information Industry

Co-sponsoring organization(s):
(1)   Liouguei Township Government, Kaohsiung County, Taiwan
(2)   Taiwan Forestry Bureau, Council of Agriculture
(3)   Taiwan Forestry Research Institute, Council of Agriculture

Project Overseer: Name, Title and Organization
Sing-chi Chow
Manager of International Collaboration, Institute for Information Industry

Postal address: 10 Fl., 116, Nanking E. Rd., Sec. 2, Taipei, Taiwan	**Tel:** 886-2-25422540 EXT 282 **Fax:** 886-2-25310760 **Email:** hgchou@iii.org.tw

Financial Information	**Total cost of proposal (US$):** US$ 222,800	**Amount being sought from TEK Foundation (US$):**

Type of Project: ☐ **ICT infrastructure**   ☒ **Education Resource Centers**   ☒ **village centers**   ☐ **survey or analysis and research**   ☒ **database/website**   ☐ **others** *(Please specify)*

Project start date: 2004/04/01	**Project end date:** 2007/03/31

Project Purpose:

There are one or more communities in the 12 villages of Liouguei Township. Despite the rich ecological and tourism resources, however, the villagers of these communities have relatively very little access to computer or Internet resources. Therefore, the purpose of Digital Liouguei Project (DLP) is to establish an Educational Resource Center (ERC) at each village, and at the same time form a demonstrative integrated operation model for the establishment of ecovillages and digital ecotourism. The model shall be used as a core model for the development of other villages and communities.

The core model is described below:

(1) An ERC will be established in each of the 12 villages in Liouguei Township, where villagers can take training courses in computer, the Internet, ecological conservation, and ecotourism.

(2) Demonstrative integrated operation model for the development of ecovillages and digital ecotourism will be established in 3 demonstration communities.

A. Villagers will learn to utilize local natural and ecological resources and establish ecovillages in their communities. Training courses in computer and the Internet will be provided at ERCs, in which villagers can learn to collect and record ecological data, and conduct ecological resource surveys.

B. Villagers will learn to develop quality ecotourism in their communities and use the Digital EcoTourism website to store ecological data and promote ecotourism.

C. Aboriginal orphans and teachers, senior citizens, women who need education and income, impoverished adults who need jobs in demonstration communities will receive assistance in improving their living environment. They will also acquire new knowledge and skills through DLP's training courses. In addition, with the establishment of ecovillages, more job opportunities will be created for these villagers and thereby improve their financial conditions.

Through the core model, Liouguei villagers will improve their computer and Internet skills, and learn more about ecological conservation. In addition, with the establishment of ecovillages, ecotourism, and the Digital EcoTourism website, villagers will gain more knowledge and skills, communities will cultivate more culture, local economy will prosper and become sustainable, and the ecosystems will achieve sustainability. The results and experiences can also be used as references for the promotion and development of other townships and towns in similar settings.

Signature of Project Overseer:

Sing - Chi Chow

(Separate written confirmation acceptable for email submission)   **Date:**   2004/03/20

Signature of NGO President/WG Lead Shepherd: *(Not applicable to Progress Report and Evaluation Report)*

Dr. Jgh - Sheng Ke

(Separate written confirmation acceptable for email submission)   **Date:**   2004/03/20

Necessary Government Supplementary Documents:

☐ **National and/or Local e-Learning Plan (Outline refer to Appendix 1)**

☐ **National and/or Local e-Government Plan (Outline refer to Appendix 2)**

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.)**

Included in the proposing project.

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

Included in the proposing project.

Digital Liouguei Project
Digital Ecotourism Development of
Liouguei Township, Kaohsiung County, Taiwan

Authorized by

IRFD/TEK/CIER   Trio – Partnership Secretariat

Undertaken by

Institute for Information Industry

2004-2-20

Taipei, Taiwan

Table of Contents

A. <u>Project Design</u>

Project

01. Name of project

    Digital Liouguei Project—Digital Ecotourism Development of Liouguei Township, Kaohsiung County, Taiwan (DLP)

02. Name of proposing organization

    Institute for Information Industry (III)

    Taipei, Taiwan

Objectives

03. Introduction of Liouguei Township, project purpose, project tasks and project measurable objectives

03.1 Introduction of Liouguei Township

    (1) Rich natural, ecological, and tourism resources

        A. Liouguei Township is located in the mountainous area of northeast Kaohsiung County where the weather is warm in winter and cool in summer. It has a population of 16,000 and spans a total area of 194.158 km^2, in which 60% is occupied by forests and hills and the rest by farmlands and other types of lands.

        B. Laonong River, the largest river in southern Taiwan, has created valleys, plateaus, and alluvial plains, as well as distinctive landscapes such as cliffs, waterfalls, rapids, and hot springs in Liouguei. Sitting at low to middle elevation, Liouguei has a mild climate and is suitable for vacationing and traveling in all four seasons. If turned into a tourist area that provides various recreation activities, Liouguei may come to play an indispensable part in the tourism development of Kaohsiung County.

        C. Comprising a wealth of forest and natural resources, Liouguei is also an important broadleaf forest ecosystem in southern Taiwan. It is famous for many popular scenic areas and tourist sites, such as Shanping Forest Ecological Science Park, Tengjhi National

Forest Recreation Area, Maolin National Scenic Area, wonderful Butterfly Valley Special Scenic Area, and Purple Butterfly Valley, the habitat of *Euploea*, one of the world's only two known danaine butterflies.

D. Liouguei has the perfect natural environment to grow various crops and fruits. With comprehensive planning of farmlands and improved agricultural products, Liouguei is now known for its black diamond wax apples, Jinhuang golden mangos, high mountain tea, bamboo shoots, and green plums in Taiwan.

(2) Inadequate computer and internet resources in Liouguei and its surrounding townships and towns

Liouguei and its 8 surrounding townships and towns, including Jiasian Township, Nanhua Township, Shanlin Township, Meinong Town, Gaoshu Township, Sandi Township, Maolin Township, and Taoyuan Township have a total population of 150,000, and are all located in remote mountainous areas. Currently computers are only installed in government institutions and schools. Since there are no public facilities where the villagers can learn to use computers and the Internet, 80% of the population lack computer skills and 90% of the households have no computers.

In DLP, Liouguei is selected as a demonstration township, where courses in the Internet, computer, and ecological conservation and its approaches will be provided to improve villagers' living standards and environment, and their local economy.

03.2 Project purpose

There are one or more communities in the 12 villages of Liouguei Township. Despite the rich ecological and tourism resources, however, the villagers of these communities have relatively very little access to computer or Internet resources. Therefore, the purpose of DLP is to establish an Educational Resource Center (ERC) at each village, and at the same time form a demonstrative integrated operation model for the establishment of ecovillages and digital ecotourism. The model shall be used as a core model for the development of other villages and communities.

The approaches of the core model are described below:

(1) An ERC will be established in each of the 12 villages in Liouguei Township, where villagers can take training courses in computer, the Internet, ecological conservation, and ecotourism.

(2) Demonstrative integrated operation model for the development of ecovillages and digital ecotourism will be established in 3 demonstration communities. The approaches are:

    A.   Villagers will learn to utilize local natural and ecological resources and establish ecovillages in their communities. Training courses in computer and the Internet will be provided at ERCs, in which villagers can learn to collect and record ecological data, and conduct ecological resource surveys.

    B.   Villagers will learn to develop quality ecotourism in their communities and use the Digital Ecotourism website to store ecological data and promote ecotourism.

    C.   Aboriginal orphans, senior citizens, women who need education and income, impoverished adults who need jobs in these demonstration communities will receive assistance in improving men living environment. They will also acquire new knowledge and skills through DLP's training courses. In addition, with the establishment of ecovillages, more job opportunities will be created for these villagers and thereby improve their financial conditions.

Through the core model, Liouguei villagers will improve their computer and Internet skills, and learn more about ecological conservation. In addition, with the establishment of ecovillages, ecotourism, and the Digital Ecotourism website, villagers will gain more knowledge and skills, communities will cultivate more culture, local economy will prosper and become sustainable, and the ecosystems will achieve sustainability. The results and experiences can also be used as references for the promotion and development of other townships and towns in similar settings.

03.3 Project tasks

The tasks in DLP are described below:

(1) ERCs will be established in all 12 villages in Liouguei Township, including 1 Central ERC, 3 Village ERCs in different demonstration villages, and 9 Community ERCs in other villages. Computers will be installed in these ERCs and used in training courses.

(2) Computer, Internet, ecological conservation and ecotourism training courses will be offered to future teachers and villagers at ERCs to provide everyone in Liouguei an opportunity to learn. Villagers who have completed these courses and passed course examinations will receive a certificate. Please refer to Appendix 1 and 2 for course titles and contents.

(3) Villagers in the 3 demonstration communities of selected villages will receive assistance in transforming their communities into ecovillages. All 3 communities have rich natural and ecological resources and the potential for the development of quality ecotourism. Impoverished minorities such as aboriginal orphans, senior citizens, women and jobless men who need education and income can also benefit from ecotourism.

The 3 demonstration ecovillages are listed below:

A. The Christian Mountain Children's Home community in Singlong Village

Located in Wonderful Butterfly Valley, the Christian Mountain Children's Home community which is a non-governmental organization, was established 50 years ago, and has 50 staff and their families taking care of 100 orphans, 80% of whom are aborigines. The community has planted a large variety of trees and their rich plant resource can allow the development of ecotourism. The orphans may also gain skills required for livelihood from ecotourism.

B. The Purple Butterfly Valley community in Jhongsing Village

The Purple Butterfly Valley community has approximately

200 villagers. It is famous for Purple Butterfly Valley, agricultural products such as wax apples and mangos, and its resources and facilities, making it a potential area for the development of ecotourism. Women and jobless men who need education and income can be trained as ecological guides, rangers or participate in ecotourism management.

C. The Woodland community in Singlong Village

The Woodland community has approximately 250 villagers, and is famous for Purple Butterfly Valley, beautiful herbaceous plants and flowers, and arts and crafts. It is a potential site for the development of ecotourism. There is also a senior citizen home whose service could expand and conditions be improved.

(4) Quality ecotourism can be developed in ecovillages, including tour arrangements and the improvement of public facilities and management of institutions, such as educational, recreational, traveling, food and accommodation facilities.

(5) A Digital Ecotourism website will be created to promote, and support the collection, recording, and storage of information of ecotourism.

(6) A Liouguei Township ERC website will be created to post announcements, and provide information and a medium for communication and promotion.

03.4 Project measurable objectives

03.4.1 Short-term objectives

(1) The Central ERC will be established at the Forest Digital Station in Liouguei Township. In addition to the 4 computers already installed, 7 more will be installed so that a total of 11 computers will be available for training programs.

(2) 3 Village ERCs will be established in selected demonstration villages:

A. 6 computers will be installed at the Village Activity Center in Jhongsing Village.

B. In addition to the 1 computer already installed, 6 more will be installed in Christian Mountain Children's Home in Singlong

Village so that a total of 7 computers will be available for training programs.

    C.   4 computers will be installed in the Baolai Agricultural Association in Baolai Village.

(3) 9 Community ERCs will be established.

9 Community ERCs will be established in other 9 villages of Liouguei Township where the population is scattered and computer seldom used. Larger villages will have 2 computers, and smaller ones will have 1 computer. A total of 12 computers will be installed in Dajin Village, Liouguei Village, Wenwu Village, Sinwei Village, Sinliao Village, Yibao Village, and Laonong Village.

(4) 1000 hours of training courses in computer, Internet, ecological conservation, ecotourism, and community development will be provided over a course of 3 years.

(5) Each year 100 future teachers and 900 villagers will be trained. Qualified members will receive a certificated for completing the courses. In total, 300 future teachers and 2700 villagers will be trained over a course of 3 years.

(6) No tuition will be collected for the training courses in this 3-year project, therefore a system that allow members to contribute back to the community will be established. Under the system, each registered member will be required to train a villager or family member who didn't take the courses in the following year, thereby indirectly allowing an additional 3000 villagers to benefit from these courses.

03.4.2 Long-term objectives

(1) Establish Liouguei Township ERC and Digital Ecotourism websites that will be available in both Chinese and English. In this 3-year project, the number of website visitors is expected to see an annual growth rate of 10%.

(2) Tourists visiting Liouguei Township is expected to see an annual growth rate of 5%.

(3) A demonstration ecovillage will be established each year. During the

3-year project, a total of 3 ecovillages will be established. Each year, the Community Sustainability Assessment (CSA) developed by the Global Ecovillage Network (GEN) will be used to assess the sustainability progress of the ecovillages. In 2003, III had assessed the Christian Mountain Children's Home community and found it to be in good condition. Please refer to Appendix 3 for assessment chart and results.

Linkages

04. The kinds of institutions or people intended to benefit from the results of the project

(1) DLP provides an opportunity for Liouguei villagers to acquire computer and Internet skills.

At the 13 ERCs established throughout Liouguei Township, every villager will have the opportunity to learn computer and Internet skills and acquire the necessary knowledge and capability to survive in the information era.

(2) Through the Digital Ecotourism website, Liouguei villagers will have a chance to improve their ecological conservation effort and the local economy.

Through the Digital Ecotourism website, the rich natural resources of Liouguei Township will be effectively promoted and advertised to boost the tourism and economy in Liouguie.

(3) Through the establishment of 3 demonstration ecovillages, the communities' environment and economy and its people's education and computer skills will be improved.

With the establishment of 3 demonstration ecovillages, the communities' environment and economy and its people's education and computer skills will be improved. Villagers, especially women, orphans, and people in need can gain knowledge of the ecology, environment, computer, and Internet right in their own communities. With the newly acquired knowledge, villagers can be trained as guides or rangers in their ecovillages and have better means of livelihood to improve their financial conditions.

(4) Villagers from nearby townships and towns are welcomed to come and take courses in Liouguei, as well as learn from Liouguei's experiences.

Villagers from the 8 nearby townships and towns are welcomed to come to Liouguei and take courses in computer and the Internet at different ERCs. They can also learn about the operation model for the establishment of ecovillages and ecotourism.

(5) Other regions at home and abroad can learn and benefit from Liouguei's experience.

05. Participation of the business/private sector and non-governmental institutions

05.1 Business/private sector integrated by III

III has successfully invited the following business/private sector to sponsor, participate, and provide resources in DLP

(1) Microsoft Taiwan Corporation

    A.   Windows Advanced Server

    B.   Windows XP

    C.   Office 2000

(2) Chunghwa Telecom Co., Ltd.

    D. ADSL installation and 1 year of free ADSL service

    E. 1 year of free Hinet service

(3) Hewlett-Packard Development Company

    4 five-in-one multi-functional machines (with 5 functions—fax, xerox copy, scan, print, and telephone)

(4) Computer companies will be encouraged to sell computers at a discount price.

05.2 Institutions that provide sites to build various ERCs and classrooms, as will as utility, and A/C

(1) Central ERC

    Taiwan Forestry Research Institute (TFRI) and Forestry Bureau

(2) Village ERC

    A.   Village Activity Center at Jhongsing Village

    B.   Christian Mountain Children's Home at Singlong Village

    C.   Baolai Agricultural Association at Baolai Village

(3) Community ERC

    9 Community ERCs will be established at appropriate sites in village communities.

05.3 Institutions participating in the organization of this project

    (1) Tourism Division, Liouguei Township Government

    (2) Taiwan Forestry Bureau

    (3) TFRI

06. Project contribution to related projects or activities in the country

(1) Digital Taiwan Project

The digital level of Liouguei, a selected demonstration township, will be improved through DLP. Digital Taiwan Project can learn and benefit from Liouguei's experiences.

(2) Taiwan Forestry Bureau's Community Forestry Project

Establishing ecovillages is one of the objectives in both DLP and Taiwan Forestry Bureau's Community Forestry Project. In DPL, villagers will be assisted in the development of ecovillages, and at the same time learn to use computers and the Internet, collect and record ecological data, and conduct ecological resource surveys. Community Forestry Project can learn and benefit from the results and experiences gained from DPL.

(3) TFRI's Automated Ecosystem Grid for the Conservation of Habitat of Danaine Butterflies: Research and Application Project

DLP can provide TFRI's project the necessary information and data for their surveys and applications. In return, TFRI's project can provide DLP the necessary knowledge of *Euploea*, which is essential for the development of ecovillages and eigital ecotoursim.

(4) III's Bridging the Digital Divide project

DLP has accelerated the implementation of III's project, which has been implemented in the past 3 years.

(5) Liouguei Township Government Ecotourism Project

In DLP, villagers' computer and Internet skills will be improved, and a Digital Ecotourism website will be created for Liouguei Township. This will contribute to the implementation of Liouguei Township's Ecotourism Project.

07. Deliverables of the project

    (1) Detailed project plans for the tasks in DLP

        A.   Benefited people and institutes

                a.   Liouguei villagers can enroll the training courses offered at ERCs.

                b.   Project staff and related institutes can begin their task preparation.

        B.   Delivering date—1 month after the project begins

    (2) 35 computers and other related equipment will be installed at the 13 ERCs in Liouguei

        A.   Benefited people and institutes

                a.   Liouguei villagers can learn computer and Internet skills, as well as about ecological conservation and ecotourism. This is an opportunity for them to use computers.

                b.   Villagers from the 8 nearby townships and towns are also welcomed to take these courses and use the computers.

                c.   Project staff, lecturers, lecturer assistants, and future teachers will be offered jobs to support the management of ERCs, and they will have an opportunity to learn new skills and contribute to their communities.

        B.   Delivering date

                a.   The purchase and installation of computer hardware, software, and other related equipment at ERCs—within 3 months after the project begins

                b.   Annual operation report of each ERC—at the end of each year

    (3) The development of ecovillages in 3 demonstration communities in selected villages

        Through the development and integrated management of

ecovillages and eigital ecotourism:

A. Benefited people and institutes

    a. The Christian Mountain Children's Home community in Singlong Village

        The living environment and financial conditions of the 50 aboriginal staff and their families and the 100 aboriginal orphans will be improved. At the same time, they will acquire new skills and knowledge.

    b. The Purple Butterfly Valley community in Jhongsing Village

        The women who need education and income, as well as the impoverished men who need jobs can be trained as ecological tour guides, rangers or to participate in the management of ecotourism. They will acquire new knowledge, skills, and job opportunities, and thereby improving their financial conditions.

    c. The Woodland community in Singong Village

        Small-sized businesses in the community can help improve local economy, including boosting the sales of agricultural products and arts and crafts, attracting more visitors to come and enjoy the beautiful herbaceous plants and flowers, and the increasing the sales of restaurants and small family-run inns. Elderly community villagers living in the senior citizen home can also acquire new knowledge and skills. With more learning opportunities and activities, both their mental and physical health will be improved, and later they can even contribute to the community in return.

B. Delivering date—1 ecovillage will be established each year

(4) English and Chinese websites created in DLP

A. Benefited people and institutes

    a. Liouguei villagers can have access to instant online

information and store data. By learning how to create websites, they can even take part in the creation of DLP's websites.

    b. People from home and abroad can have access to online content and information on the websites.

  B. Delivering date

    a. Liouguei ERC website—complete website update every year

    b. Liouguei Digital Ecotourism website ― complete website update every year

(5) Project Task Report

  A. Benefited people and institutes

    a. Project participants and related institutes can collect information from the project process, outcome, budget, participants, and other data.

    b. The report can serve as a reference or example for people and institutions from home and aboard.

  B. Delivering date

    a. Annual Project Report—at the end of each year

    b. Final Project Report—in 3 years when the project is completed

Budget

08. Project budget

  The total project cost is 222,800 USD. An itemized budget for the project is listed below

(1) ERC establishment and computer hardware and software installation	63,800

A. 35 personal computer@ 1, 000and 3, 000 of maintenance fee	38,000
B. Internet, ADSL, and telephone line rental and installation	2,000
C. Software of image processing	6,000
D. Printers and Scanners	2,000
E. Digital cameras, video cameras, projectors	10,000
F. Supplies and other miscellaneous expenses	5,800

(2) Implementation of websites of Liouguei Township ERC and Digital Ecotourism	18,000

  6,000 / year×3 18,000

(3) Project management, engineers and instructors	141,000

  47,000 / year×3 141,000

 A. 1 Project manager
  @ 1,500 / month×12 18,000/year

 B. 2 Project engineers/ instructors / maintenance
  @ 1,000 / month×2 24,000/year

 C. Professional instructors
  200 hours@ 10 2,000/year

 D. Assistants
  666 hours@ 3 2,000/year

 E. Traveling expenses 1, 000

_____ _____

  Total 47,000 / year Grand total 222,800

09. Timetable for the drawdown of funding requested for the project

A timetable for the drawdown of TEK funding requested for the project is listed below. If it is possible, please provide the annual cost requested at the beginning of each year as advance payment / installment for the operations of the whole year.

Timetable for the drawdown of funding requested for the project

Task	Year 1	Year 2	Year 3	Total
(1) ERC establishment and equipment installation	35,000	1,500	1,500	38,000
A. 35 personal computers				
@ 1,000 and maintenance fee of 3,000				
B. Internet, ADSL, and telephone lines rental and installation		1,000	1,000	2,000
C. Software of image processing, e-learning, etc.	6,000			6,000
D. Printers and Scanners	2,000			2,000
E. Digital cameras, video cameras, projectors	10,000			10,000
F. Supplies and other miscellaneous expenses	1,800	2,000	2,000	5,800
(2) Implementation of websites of Liouguei Township ERC and Digital Ecotourism 6,000 / year×3 18,000	6,000	6,000	6,000	18,000
(3) Project management, engineers and instructors				
A. 1 Project manager @ 1,500 / month×12	18,000	18,000	18,000	54,000
B. 2 Project engineers/ instructors / maintenance @ 1,000 / month×12×2	24,000	4,000	24,000	72,000
C. Professional instructors 200 hours@ 10	2,000	2,000	2,000	6,000
D. Assistants 666 hours@ 3	2,000	2,000	2,000	6,000
E. Traveling expenses	1,000	1,000	1,000	3,000
Grand Total	107,800	71,000	71,000	222,800

Assessment of Project

10. Assessment of project

The project assessment can be conducted by using the detailed criteria listed in following tables for measuring the results of the project objectives stated in paragraph 3 in the short and long-term to determine whether the project has been successful.

Criteria for Project Assessment—Short-term Objectives

Short-term Objectives	Criteria for Assessment	Range of Acceptable Results
(1) Establish 1 Central ERC and install 7 new personal computers. (4 already installed.)	a. Total new PCs installed b. Total PCs available during the courses c. PC functions	a. 100% b. 80 % or above (5 PCs) c. With good functions and easy to operate
(2) Establish 3 Village ERCs and install 16 new personal computers. (1 already installed.)	a. Total new PCs installed b. Total PCs available during the courses c. PC functions	a. 100% b. 80 % or above (12 PCs) c. With good functions and easy to operate
(3) Establish 9 Community ERCs and install totally 12 new personal computers with 1 or 2 computers in each village	a. Total new PCs installed b. Total PCs available during the courses c. PC functions	a. 100% b. 80 % or above (9 PCs) c. With good functions and easy to operate
(4) 1000 hours of training courses in computer, Internet, ecological conservation, ecotourism, and community development will be provided over a course of 3 years.	a. Total hours of ERC courses provided each year b. Total hours of computer and Internet courses provided each year	a. 300 hours or above b. 200 hours or above

Short-term Objectives	Criteria for Assessment	Range of Acceptable Results
(5) Each year 100 future teachers and 900 villagers will be trained. Qualified members will receive a certificate for completing the courses.	a. Annual course enrollment b. Certificates issued annually c. Course satisfaction survey by students d. Survey of student's IT capability	a. 80 % or above b. 50 % enrollment or above c. Averaging satisfaction level 80% or above d. 70% or above show improvement
(6) Each registered member will be required to train a villager or family member who didn't take the courses in the following year, thereby indirectly allowing an additional 3000 villagers to benefit from these courses.	a. Indirectly trained villagers b. Indirectly trained villagers with certificates	a. 50 % or above b. 20 % or above

Criteria for Project Assessment—Long-term Objectives

Long-term Objectives	Criteria for Assessment	Range of Acceptable Results
(1) Implementation of websites of "Liouguei Township ERC" and "Digital Ecotourism" in Chinese and English	a. Website visitors b. Contents of websites c. Visual effect of websites	a. Annual growth rate of 10% b. Quality contents c. Elegant and peaceful
(2) Acutal tourists of Liouguei Township	a. Vistors	a. Annual growth rate of 5%
(3) A demonstration ecovillage will be established and the Community Sustainability Assessment (CSA) be conducted each year. In the ecovillages, impoverished minorities will benefit from the computer and Internet education provided.	a. A demonstration ecovillage will be established each year. b. CSA will be conducted for ecovillages each year. c. Impoverished minorities in ecovillages enroll in the computer courses, including aboriginal orphans and teachers, senior citizens, women, and jobless adults.	a. 100% b. CSA results show improvement c. 20% of impoverished minorities enroll in the computer courses d. 10% show IT capability improvement e. 5% receive certificates

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.

_____
Signature

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

_____
Date and Place

Appendix 1. Computer and Internet courses for future instructors

(1) Goal:　to train the participant's capability for PC maintenance, repairing, and servicing.

(2) Duration:　21 hours

(3) Course outline

	Subject	Contents
1	The framework of PC	Introduction to the basic framework of PC 　hardware, software, and peripheral equipments How to add and set-up new peripherals How to set BIOS Future trends of computer hardware and software
2	Introduction to the Internet and its application	The basic framework of the Internet 　Introduction to the Internet framework and functions 　Web-browsing 　Introduction to FTP and its usage How to search information using the Internet
3	Network architecture and testing	Network architecture 　Introduction 　Intranet, internetworking, and 　system-setting Connection and testing
4	Computer maintenance	Maintenance and repair: 　Repair tools 　Computer disassembling and assembling 　Computer maintenance and the appropriate usage 　Maintenance & repair
5	Basic troubleshooting	Troubleshooting 　Power supply, screen, keyboard, and 　mouse 　Mother board and expansion slot 　Disk driver and CD-ROM driver
6	Information security and future technology trend	Information security and antivirus software 　Introduction to information security and 　computer virus 　Antivirus software Promoting the concept of intellectual property right (IPR) Governmental policy for information technology and society Introduction to Digital Signature Regulation

Appendix 2. Computer and Internet courses for villagers

(1) Goal: to train and improve the participant's capability for PC operation, data and
    information searching and email usage through the Internet
(2) Duration: 21 hours
(3) Course outline

	Subject	Contents	
1	Basic Computer Concepts	The concept of computer usage	Introduction to basic computer facilities and its peripherals Operation of computer systems
		Keyboarding skill	Keyboard and typing
		Input methods (local language needs to be conducted by local experts)	Comparing various input methods Introduction to Microsoft New Phonetic
		Windows operation	Basic Windows operation Frequently used functions for system-setting
2	Windows 98/2000/XP OS	Advanced Windows operation	Introduction to Windows screen layout and functions How to use mouse Windows operation
		Introduction to Windows configuration setting	Configuration setting for interface operation Frequently used setups in the Control Panel
		Software tools	How to use system tools Computer word processing software--WORD Introduction to frequently used supporting tools (e.g. image processing, compression, and antivirus software)
3	Internet	Introduction to the Internet	Introduction to the Internet
		Introduction to web-browsing	IE-setting and operation Introduction to popular websites
		Setting up mailbox and using email	Setting Outlook Express Receiving and sending emails Establishing and using mailing list
		Q&A	Practice and discussion

Appendix 3. Community Sustainability Assessment of Christian Mountain Children's Home (CMCH)

Assessment Criteria	Optimum Value	CMCH		Community in Urban Area	
1. Ecological section	477(100%)	309(75%)		149(31%)	
(1) Sense of Place	72	49	68%	17	24%
(2) Food Availability, production & Distribution	64	27	42%	10	16%
(3) Physical Infrastructure, Buildings & Transportation	71	39	55%	8	11%
(4) Consumption Patterns & Solid Waste Management	65	61	94%	11	17%
(5) Water-sources, quality & use patterns	72	47	65%	36	50%
(6) Waste Water & Water Pollution Management	61	43	70%	43	70%
(7) Energy Sources & Uses	72	43	60%	24	33%
2. Social section	476(100%)	367(77%)		267(56%)	
(1) Openness, Trust & Safety; Communal Space	61	61	100%	37	51%
(2) Communication-the flow of ideas & information	62	62	100%	33	54%
(3) Networking Outreach & Services	75	56	74%	20	27%
(4) Social Sustainability	71	66	93%	66	93%
(5) Education	71	92	59%	29	44%
(6) Health Care	65	59	83%	59	90%
(7) Sustainable Economics - healthy local economy	71	25	35%	26	37%
3. Spiritual section	514(100%)	456(87%)		71(14%)	
(1) Cultural Sustainability	101	96	81%	10	10%
(2) Arts & Leisure	58	48	83%	-2	0%
(3) Spiritual Sustainability	61	60	98%	2	3%
(4) Community Glue	71	71	100%	20	28%
(5) Community Resilience	71	59	83%	10	14%
(6) A New Holographic, Circulatory World View	70	61	87%	17	24%
(7) Peace & Global Consciousness	82	78	95%	19	23%
Total	1467(100%)	1132(77%)		487(33%)	

Appendix 4. Curriculum Vital of Project Oversees

Name	CHOW, Sing-Chi Cynthia
Specialties	1.Computer and Internet Education and Applications in Rural Area, Eco-tourism Development, System Engineering, Real-time Monitoring and Control System, Management Information System 2. International Collaboration, System Planning, Development, Management, Marketing and Promotion
Education	1.M.S., Computer Science, University of New Brunswick, Canada 2.B.S., Accounting, National Taiwan University
Experience 83.04-Present	28 years of computer system development, management and marketing 1.Institute for Information Industry 　Consultant Engineer/Section Manager, Internation Collaboration 　1.1 Computer and Internet Applications in Community Forestry and Ecovilliage Development 　1.2 Multimedia e-Learning System Development and Implementation 　1.3 International Tourism and Eco-tourism Development and Promotion, International Web-site Development 　1.4 "Capability Maturity Model Integration" Promotion and Implementation. 　1.5 Domestic System Engineering Marketing and Development for Monitoring and Control System 　1.6 International System Engineering Marketing and Development 　1.7 System Development Guidelines Development
85.09-87.06	2. System Network Inc., Canada 　Computer System Consultant
80.09-83.03	3. CKS International Airport 　Senior Computer Analyst
74.07-80.06	4. Data Processing Division, Government of New Brunswick, Canada 　Computer System Engineer