

# GOLD STANDARD LOCAL STAKEHOLDER CONSULTATION REPORT

## CONTENTS



### A. Project Description

1. Project eligibility under Gold Standard
2. Current project status

### B. Design of Stakeholder Consultation Process

1. Description of physical meeting(s)
  - i. Agenda
  - ii. Non-technical summary
  - iii. Invitation tracking table
  - iv. Text of individual invitations
  - v. Text of public invitations
2. Description of other consultation methods used

### C. Consultation Process

1. Participants' in physical meeting(s)
  - i. List
  - ii. Evaluation forms
2. Pictures from physical meeting(s)
3. Outcome of consultation process
  - i. Minutes of physical meeting(s)
  - ii. Minutes of other consultations
  - iii. Assessment of all comments
  - iv. Revisit sustainable development assessment
  - v. Summary of changes to project design based on comments

### D. Sustainable Development Assessment

1. Own sustainable development assessment
  - i. 'Do no harm' assessment
  - ii. Sustainable development matrix
2. Stakeholders blind sustainable development matrix
3. Consolidated sustainable development matrix

### E. Discussion on Sustainability Monitoring Plan

### F. Description of Stakeholder Feedback Round

**Annex 1. Original participants list**

**Annex 2. Original evaluation forms**

## Gold Standard Local Stakeholder Consultation Report

### SECTION A. PROJECT DESCRIPTION

Version	Date
1.0	03/01/2011
1.1	31/08/2012

#### A. 1. Project eligibility under the Gold Standard

##### GS eligibility:

1. Scale of the project: Large
2. Host country: Taiwan, Republic of China
3. Project Type: Renewable energy project (the proposed project is a grid-connected wind power generation)
4. Pre-announced: No
5. Greenhouse Gas: CO<sub>2</sub>
6. Project registration type: Regular
7. ODA: Not applicable for Taiwan
8. Other certification schemes: None

##### Project description:

The project involves the development of four wind farms in Taiwan:

- *InfraVest Fongwei Wind farm project, Taiwan*: a 11.5 MW onshore wind farm located in Hsinfong Township (therefore also called *Hsinfong Wind farm*), Hsinchu County, which comprises 5 wind turbines (hereafter : **Fongwei wind farm**)
- *InfraVest Longwei Wind farm project, Taiwan* a 62.1 MW onshore wind farm in Houlong Township (therefore also called *Houlong Wind farm*), Miaoli County, which comprises 27 wind turbines (hereafter : **Longwei wind farm**)
- *InfraVest Chungwei Wind farm project, Taiwan* a 32.2 MW onshore wind farm in Dajia and Da-An Townships, Taichung County, which covers *Taichung phases I and III*, and *Dafong* sites, comprises 14 wind turbines. (hereafter : **Chungwei wind farm**)
- *InfraVest Tauwei Wind farm project, Taiwan* a 4.6 MW onshore wind farm in Guanyin Township (also called *Hsinwu Wind farm*), in Taoyuan County, which comprises 2 wind turbines (hereafter : **Tauwei wind farm**)

The above mentioned wind farms are constructed and operated by InfraVest Wind Power Group (hereafter InfraVest) which is a subsidiary of Germany based VWind AG. The project in total comprises 48 *Enercon E-70* wind turbines, each having a capacity of 2.3MW. The total installed capacity of the proposed bundled project is 110.4 MW. At full capacity, the aggregated output of the project is expected to be of 264,960 MWh/year, which is to be delivered to the state-owned power grid, Taipower. Accordingly, the project will lead to carbon dioxide emission reduction since it will avoid the use of fossil fuel in the electricity generating system. The annual emission reductions are estimated as 204,549 tCO<sub>2</sub>e/year.

#### A. 2. Current project status

The project currently is under loan negotiation. Construction is expected in March 2011, and earliest operation start might be in the end of 2011.

## Gold Standard Local Stakeholder Consultation Report

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## Gold Standard Local Stakeholder Consultation Report

### SECTION B. DESIGN OF STAKEHOLDER CONSULTATION PROCESS

#### B. 1. Design of physical meeting(s)

##### i. Agenda

- A. Opening of the meeting
- B. Explanation of the project
- C. Q & A Session
- D. Blind Sustainable Development Exercise
- E. Open discussion on the SD monitoring
- F. Closure of the meeting

##### ii. Non-technical summary

Written in local language and attached in invitation letters

豐威、龍威、中威及桃威設置風力發電專案  
專案設計文件介紹

InfraVest Taiwan Wind Farms Bundled Project 2011

InfraVest Fongwei Wind farm project, Taiwan

InfraVest Longwei Wind farm project, Taiwan

InfraVest Chungwei Wind farm project, Taiwan

InfraVest Taowei Wind farm project, Taiwan

Project Design Non-Technical Summary

##### Gold Standard (黃金標準) 簡介

黃金標準 (Gold Standard) 為符合京都議定書規範下之清潔發展機制(Clean Development Mechanism)與自願性減量市場中之溫室氣體減量認證機制。黃金標準基金會 (Gold Standard Foundation) 位於瑞士，為非營利的國際性機構。目前已有超過60個非政府機構採認黃金標準。黃金標準基金會的目標為：

- 幫助具有可持續能源專案的投資；
- 確保可續性開發案貢獻的顯著性與持久性；
- 確保投資案對環境之影響；

## Gold Standard Local Stakeholder Consultation Report

- 提高公眾對再生能源與能源效率的支持。

經Gold Standard 認證的碳資產是嚴格地經審查以確保專案的開發不具負面影響。透明的評估、制度化的程式以及長期地監控皆是Gold Standard清楚表示專案之正面影響的方法。

台灣雖非京都議定書簽約國，然其減排專案亦有黃金標準的自願減排機制可供其碳資產認證。向黃金標準申報註冊的專案都必須編寫專案設計文件（Project Design Document），本報告主要向利益相關方簡單介紹“豐威、龍威、中威及桃威設置風力發電專案”之設計文件主要內容。

### 專案名稱

豐威、龍威、中威及桃威設置風力發電專案

### 業主介紹

豐威風力發電股份有限公司、龍威風力發電股份有限公司、中威風力發電股份有限公司及桃威風力發電股份有限公司係英華威風力發電集團轉投資。英華威風力發電集團於民國85年成立，至民國97年年底在全球已開發興建超過423 MW的風場。英華威目前在亞洲地區的陸上風場開發計畫已裝置超過30座測風儀，確保計劃源源不絕。自民國91年5月起已藉由船隻及飛進於北海Borkum島附近進行長期環境調查。在風力發電開發上，英華威的專業值得信賴。

### 專案技術介紹

本風力發電廠規劃於桃園縣觀音鄉，新竹縣新豐鄉、苗栗縣後龍鎮、台中縣大安鄉及大甲鎮地區。該風廠將使用48台Enercon E-70型(2,300 kW)之風力發電機組，位置分別為新竹縣新豐鄉5座、苗栗縣後龍鎮27座、台中縣大安鄉及大甲鎮14座、桃園縣觀音鄉2座風力發電機組，總裝置容量為110,400 kW (110.4MW)。

根據各地區之風能潛力分析推算結果，本風場風能滿發小時約 2000~2800小時，預估風場的年發電量約為每年 220,800 MWh/a ~ 309,120 MWh/a，共可供應約58,228~81,519戶家庭用電之需求。

風力發電是目前全世界公認最具潛力並減少溫室氣體的排放的再生能源技術，利用天然的風力發電，以供當地用電之需。在全球能源吃緊的情勢下，台灣能利用地利優勢發展自給自足的能源供給以替代進口燃料與燃煤的使用。

### 由於實施此項目帶來的社會和環境效益：

1. 再生能源的使用。本專案使用天然的風力發電，不但不會製造任何廢氣、廢水及其他污染，也不會產生難以處理的核廢料，減少煙塵、酸雨及溫室效應。同時不需仰賴國外進口燃料，也不受近日來國際間油價飆漲的成本壓力所苦。
2. 提升當地觀光資源與工作機會。風機成為當地特殊的觀光景點，除了專案所需之營運人才，亦帶動當地服務業的繁榮，活絡當地的經濟發展。

## Gold Standard Local Stakeholder Consultation Report

### 專案申請為黃金標準的額外性：

使用再生能源的發電專案需要在初期大筆資金溢注。本專案在環評送審之期間，亦需維持相當之現金流動以維持本案的運作。因此專案開發單位決定為此專案申請成為黃金標準專案。若能夠成功註冊則可因減排溫室氣體而獲得黃金標準基金會的資金支援，這將會為本專案的順利實施提供必要的財務保證。

#### Project description:

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### iii. Invitation tracking table

Category Code	Organisation (if relevant)	Name of invitee	Way of invitation	Date of invitation	Confirmation received? Y/N
B	Taichung City Counselor	Li, Rong-Hong	Delivered in person	20-12-2010	Y
A	Guike Village Head	Hong, Zheng-Yi	Delivered in person	17-12-2010	Y
A	Haiqian Village Head	Wang, Sheng-Zong	Delivered in person	17-12-2010	Y
A	Zhongzhuang Village Head	Zhuang, Ming-Yao	Delivered in person	17-12-2010	Y
A	Nanpu Village Head	Lin, Gong	Delivered in person	17-12-2010	Y
A	Jianxing Village Head	Cai, Ming-He	Delivered in person	17-12-2010	Y

## Gold Standard Local Stakeholder Consultation Report

			person		
A	Tongan Village Head	Lin, Yu-Sheng	Delivered in person	20-12-2010	Y
A	Fude Village Head	Mou, Yan-Qing	Delivered in person	20-12-2010	Y
A	Houlong Village Head	Zheng, Jia-Ding	Delivered in person	20-12-2010	Y
A	Chairman of Houlong Town Residents Representatives Commission	Zhu, Qiu-Long	Delivered in person	19-12-2010	Y
B	Miaoli County Counselor	Zheng, Qiu-Feng	Delivered in person	20-12-2010	Y
B	Miaoli County Counselor	Li, Wen-Bin	Delivered in person	20-12-2010	Y
A	Haibao Village Head	Chen, Bao-Yu	Delivered in person	20-12-2010	Y
A	Dashan Village Head	Guo, Mei-Hua	Delivered in person	20-12-2010	Y
A	Shuiwei Village Head	Hong, Jin-Tong	Delivered in person	20-12-2010	Y
A	Houlong Town Residents Representative	Chen, Guo-Zhong	Delivered in person	20-12-2010	Y
A	Hsinfong Township Mayor	Xu, Mao-Gan	Sent via Post	18-12-2010	Y
A	Chairman of Hsinfong Township Residents Representatives Commission	Xu, Qiu-Ze	Delivered in person	17-12-2010	Y
B	Hsinchu County Counselor	Zheng, Qing-Han	Sent via Post	18-12-2010	Y
A	Potou Village Head	Lin, Qing-Liu	Sent via Post	20-12-2010	Y
A	Fengkeng Village Head	Jiang, Jin-Tian	Sent via Post	20-12-2010	Y
B	Guanyin Township Mayor	Ou, Bing-Chen	Delivered in person	17-12-2010	Y
A	Chairman of Guanyin Township Residents Representatives Commission	Chen, Jiang-Po	Delivered in person	17-12-2010	Y
B	Taoyuan County Counselor	Wu, Zong-Xian	Delivered in person	17-12-2010	Y
A	Baosheng Village Head	Huang, Xiu-Yun	Delivered in person	17-12-2010	Y
A	Datan Village Head	Peng, Zhen-	Sent via	18-12-2010	Y

## Gold Standard Local Stakeholder Consultation Report

		Tian	Post		
D	New Energy Association of Taiwan		Sent via Post	17-12-2010	Y
E	Gold Standard	Leon Wang	Email	17-12-2010	Y
F	Green Peace		Email	17-12-2010	N
F	Mercy Corps	Dorothy McIntosh	Email	17-12-2010	Y
F	Helio International	Helene Connor	Email	17-12-2010	N
F	REEEP	Marianne Osterkorn	Email	17-12-2010	Y
F	WWF	Roscher Bella	Email	17-12-2010	Y

The local community were involved in the consultation process of the proposed project through inviting the local residents and the community representatives to the stakeholder consultation meeting. Most of the invitations were delivered in person to the village heads and community representatives, this is aimed to encourage them to gather the residents (men and women) in their community to join the meeting. This approach is considered more effective to invite the local people as compared to putting announcements through media or at local offices. From 20 invitations delivered to the local representatives, around 60 stakeholders including the Guanyin Township Mayor, local residents, community representatives, village heads, county/township officers attended the stakeholder consultation meeting, among which 25 were women.

All GS NGO supporters and local GS expert located at the nearest region to the project (China) are invited to the meeting through email invitations. The local NGO invited at the stakeholder consultation is NEAT Taiwan (New Energy Association of Taiwan), which is an independent local NGO focusing on the climate sustainability, and the development of the clean, efficient energy technologies in the region. This NGO has a touch-base experiences in the renewable energies cultivation than other NGOs in the region. Given the organization's background, it was expected to present an objective perspective regarding the proposed project development.

### iv. Text of individual invitations

[See Toolkit 2.6 and Toolkit Annex J]

#### Email Invitation

To Secretariat of Gold Standard,  
To GS Supporters,  
To whom it may concern,

Fongwei Wind Power Co. Ltd., Longwei Wind Power Co. Ltd., Chungwei Wind Power Co. Ltd. Taowei Wind Power Co. Ltd., and South Pole Carbon Asset Management Ltd. would like to invite you to the Local Stakeholder Consultation meeting for the "InfraVest Taiwan Wind Farms Bundled Project 2011". The



## Gold Standard Local Stakeholder Consultation Report

proposed VER project will apply for the the Gold Standard v.2.1.

In order to be in line with the GS rules, the project participants hereby invite the nearest Gold Standard expert, as well as the local and international Gold Standard Supporters, to take part in this Local Stakeholder Consultation Meeting.

The meeting is scheduled at:

Date/time: January 3rd, 2011/11:00 am (GMT +08:00)

Location: 131-8, Haipu Village 8<sup>th</sup> Lane, Houlong Township, Miaoli County, Taiwan R.O.C.

(Address in local language: 太興活海鮮餐廳 苗栗縣後龍鎮海埔里8鄰131—8號)

Please find the following documents of the proposed project enclosed for your reference:

- \* Meeting invitation in local language (Chinese)
- \* Non-technical summary of the project in local language (Chinese)
- \* Gold Standard Passport draft (English)

Your participation in the meeting will be very much appreciated. If you have any further questions, please do not hesitate to contact us at the following address.

Thank you very much in advance.

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Best regards,

Mitsuko Wong, Project Manager

South Pole Carbon Asset Management Ltd.  
Taiwan Representative Office  
18F-3, Shr-Hwa International Tower  
530, Yingcai Road  
West District, Taichung 403  
Taiwan R.O.C.

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F +886 4 2302 9592

[m.wong@southpolecarbon.com](mailto:m.wong@southpolecarbon.com)

[www.southpolecarbon.com](http://www.southpolecarbon.com)

Attachments:

<101213\_InfraVest2011\_PDD\_nontech\_summary.pdf><101213\_InfraVest2011\_invitation  
letter.pdf><101213\_InfraVest2011\_GS\_Passport\_draft.pdf>

**Invitation in Local Language (sent by post or delivered in person to local residents and representatives)**

## Gold Standard Local Stakeholder Consultation Report

各位先生、女士，您好！

鑒於“豐威、龍威、中威及桃威設置風力發電專案”意向申請成為黃金標準之減碳專案，故開發單位與瑞士南極碳資產管理有限公司合作進行相關開發工作。雙方認為此專案於應對全球氣候變遷及溫室氣體減量方面作出貢獻，並且希望通過聯合國指定的經營實體（DOE）之認證使本專案以及台灣企業的社會責任能得到國際認可。

《豐威、龍威、中威及桃威設置風力發電專案利益相關方研討會》著集思廣益，以人為本的精神，諮詢社會各界對此專案的意見和建議，以確保本專案不會對當地社會、環境以及相關人員的健康造成重大的負面影響。

為申請黃金標準之碳信用額度，依其申請規定在此代表豐威風力發電股份有限公司、龍威風力發電股份有限公司、中威風力發電股份有限公司、桃威風力發電股份有限公司、及瑞士南極碳資產管理公司，邀請您於民國100年1月3日上午十一時於苗栗縣後龍鎮海埔里8鄰131—8號（太興活海鮮餐廳）出席本說明會議，希望您能於百忙之中撥冗與會並提出您對本案之指教。

順祝，

安好！

豐威風力發電股份有限公司

龍威風力發電股份有限公司

中威風力發電股份有限公司

桃威風力發電股份有限公司

聯繫人：費佛樂 博士

地址：10093台北市中正區羅斯福路二段9號10樓之2

電話：+886-2-2395-4886

傳真：+886-2-2395-1580

電子郵件：info@infra-vest.com

瑞士南極碳資產管理公司

聯繫人：莊昇勳 先生

聯繫電話：04 2302 1592

電子郵件：taiwan@southpolecarbon.com

### v. Text of public invitations

**Posters were posted at the bulletin boards or places that is obvious to see by the stakeholders from all areas impacted by the project bundle (four wind farms)**

## Gold Standard Local Stakeholder Consultation Report

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## Gold Standard Local Stakeholder Consultation Report



豐威、龍威、中威及桃威設置風力發電專案

利益相關方研討會邀請函

### Invitation of Local Stakeholder Consultation Meeting for

#### InfraVest Taiwan Wind Farms Bundled Project 2011

InfraVest Fongwei Wind farm project, Taiwan

InfraVest Longwei Wind farm project, Taiwan

InfraVest Chungwei Wind farm project, Taiwan

InfraVest Taowei Wind farm project, Taiwan

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《豐威、龍威、中威及桃威設置風力發電專案利益相關方研討會》著集思廣益，以人為本的精神，諮詢社會各界對此專案的意見和建議，以確保本專案不會對當地社會、環境以及相關人員的健康造成重大的負面影響。

為申請黃金標準之碳信用額度，依其申請規定在此代表豐威風力發電股份有限公司、龍威風力發電股份有限公司、中威風力發電股份有限公司、桃威風力發電股份有限公司，及瑞士南極碳資產管理公司，邀請您於民國100年1月3日上午十一時於苗栗縣後龍鎮海埔里8鄰131-8號（太興活海鮮餐廳）出席本說明會議，希望您能於百忙之中撥冗與會並提出您對本案之指教。

順祝，

安好！

豐威風力發電股份有限公司

龍威風力發電股份有限公司

中威風力發電股份有限公司

桃威風力發電股份有限公司

聯繫人：費佛榮 博士

地址：10093 台北市中正區羅斯福路二段9號10樓之2

電話：+886-2-2395-4886

傳真：+886-2-2395-1580

電子郵件：info@infra-vest.com

瑞士南極碳資產管理公司

聯繫人：莊昇勳 先生

聯繫電話：04 2302 1592

電子郵件：

taiwan@southpolecarbon.com



## Gold Standard Local Stakeholder Consultation Report

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<b>B. 2. Description of other consultation methods used</b>
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<p>A phone call was made to invite comments from the invited NGO, however the NGO did not express any comments on the project.</p>
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## Gold Standard Local Stakeholder Consultation Report

### SECTION C. CONSULTATION PROCESS

#### C. 1. Participants' in physical meeting(s)

##### i. List of participants

##### [See Toolkit 2.6.1 and Toolkit Annex J]

Please attach original participants' list (in original language) as Annex 1.

Participant list stakeholder consultation						
Date and time: <b>January 3rd, 2011/11:00 am (GMT +08:00)</b>						
Location: 131-8, Haipu Village 8 <sup>th</sup> Lane, Houlong Township, Miaoli County, Taiwan R.O.C. (太興活海鮮餐廳 苗栗縣後龍鎮海埔里8鄰131—8號)						
Name participant	Category Code	Job/position in the community	M / F	Signature Ref. to ANNEX 1	Organisation (if relevant)	Contact details
Guan, Shao-Dong	A	Local resident	M		Guanyin Haipu Village	0926-270-***
Peng, Zhen-Tian	A	Local resident, Village Head	M		Datan Village	0933-260-***
Su, Zhi-Yin	A	Local Resident	M		Guanyin Township Office Head of Planning Department	0988-797- ***
Zhan, Sen-Yan	A	Local Resident	M		Guanyin Township Office Member of Agriculture and Economic Division	0928-052-***
Lin, Jia-Ling	A	Local Resident	F		Guanyin Township Office Member of Administration Division	0910-137-***
Guo, Wen-Liang	A	Local Resident	M		Jianxing Village	
Lin, Jia-Zhu	A	Local Resident	M		Jianxing Village	
Zheng, Da-Cheng	A	Local Resident	M		Jianxing Village	
Zhang, Jian-Yi	A	Local Resident	M		Jianxing Village	
Huang, Qing-Yuan	A	Local Resident	M		Jianxing Village	
Guo, Tian-Fu	A	Local Resident	M		Jianxing Village	
Wang, Xi-Mei	A	Local Resident	F		Jianxing Village	
Yang, Qing-Shan	A	Local Resident	M		Jianxing Village	
Ye, Li-Yun	A	Local Resident	F			04-2681-5***
Zheng, Qian	A	Local Resident	M			
Qiu, Su-Si	A	Local Resident	F			
Geng, A-Min	A	Local Resident	F			
Lin, Jin-Zhen	A	Local Resident	F			
Liang, Yi-Yuan	A	Local Resident	M			
Qiu, Shu-Zi	A	Local Resident	F			
Huo, Yue-Zhao	A	Local Resident	F			

## Gold Standard Local Stakeholder Consultation Report

Xu, Huang	A	Local Resident, Haibao Village Head	M		Haibao Village	
Huang, Han-Ji	A	Local Resident, Chairman	M		Haibao Village	
Xie, Hai-Shan	A	Local Resident, Village Head	M		Dazhuang Village	
Zhu, Han-Long	A	Local Resident, Chairman of Residents Representatives Commission	M		Beilong Village Residents Representatives Commission	
Liu, Wen-Guo	A	Local Resident,	M		Xinmin Village	
Guo, Mei-Hua	A	Dashan Village Head	F		Dashan Village	0958-297-***
Yang, Qing-Lan	A	Local Resident	F		Jianxing Village	04-2681-5***
Shao Li, Cai-Tou	A	Local Resident	F		Jianxing Village	04-2681-9***
Zheng, Cai-Feng	A	Local Resident	F		Jianxing Village	04-2681-6***
Yang, Chen-Zhuan	A	Local Resident	M		Jianxing Village	04-2681-2***
Zheng, Jin-Ying	A	Local Resident	F		Jianxing Village	04-2681-3***
Lin Zhu, Yu-Feng	A	Local Resident	F			04-2681-1***
Guo, Jin-Lai	A	Local Resident	M			04-2681-5***
Guo, Rong-Fu	A	Local Resident	M			04-2681-2***
Zheng, Yue-Xia	A	Local Resident	F			04-2681-2***
Luo, Si-Xiu	A	Local Resident	F			04-2681-4***
Yang, Fang-San	A	Local Resident	M			04-2681-1***
Yang, Sheng-Fang	A	Local Resident	M			04-2681-3***
Zheng, Si-An	A	Local Resident	F			04-2681-4***
Liu, Mei-Jin	A	Local Resident	F			04-2681-4***
Lu, Ting-Zheng	A	Head Office	M		Nanya Electric	0982-270-***
Geng, Mei-Zu	A	Local Resident	F			0916-859-***
Zou, Su-Zhen	A	Local Resident	F			0928-630-***
Lu, Ting-Ju	A	Local Resident	M			03-557-1***
Lu, Mei-Jun	A	Local Resident	F			0911-214-***
Zou, Zhu-Ying	A	Local Resident	F			03-559-6***
Lu, Chao-Zun	A	Local Resident	M			0936-030-***
Hong, Ya-Hui	A	Local Resident	F			0982-270-***
Cai, Ming-He	A	Local Resident, Village Head	M		Jianxing Village	0935-725-***
Mou, Yan-Qing	A	Local Resident, Village Head	M		Fude Village	0933-554-***
Zhuang, Ming-Yao	A	Local Resident, Village Head	M		Zhongzhuang Village	0936-964-***
Huang, Yuan-Ri	A	Local Resident, Representative Chairman	M		Guanyin Township Residents Representatives Commission	03-473-2***
Liu, Hong-Chang	A	Local Resident	M		Guanyin Township Office	0932-371-***
Huang, Xiu-Yun	A	Local Resident, Village Head	F		Baosheng Village	0963-030-***
Xie, Chun-Wen	A	Local Resident, Office Secretary	M		Guanyin Township Office	03-473-5***
Lin, Qing-Jing	A	Local Resident, Chief Office	F		Guanyin Township	03-473-2***



## Gold Standard Local Stakeholder Consultation Report

		Secretary			Office	
Chen, Jiang-Shun	A	Local resident, Chairman of Residents Representatives Commission	M		Guanyin Township Residents Representatives Commission	03-473-2***
Ou, Bing-Zhen	B	Local resident, Mayor	M		Guanyin Township Office	03-473-2***
Xu, Geng-Sheng	A	Local resident	M		Guanyin Township Office	03-473-2***

Comments accompanying Annex 1

### ii. Evaluation forms

#### [See Toolkit 2.6.1, 2.6.2 and Toolkit Annex J]

Please add at least 4-5 representative samples in English.

Please attach original evaluation forms (in original language) as Annex 2.

Name	
What is your impression of the meeting?	The meeting helps locals understanding more about the planning and ideals of the wind farm project. Some of the stakeholders pointed out that the project owner explained in detail about the importance of wind power to the environment and the renewable energy development. One of the stakeholders expressed that the meeting improves local people's knowledge about carbon reduction.
What do you like about the project?	It is concluded that the project positively contributes to a sustainable environment: it uses renewable energy (wind) to generate clean electricity. One of the stakeholders wrote that a wind farm adds a scenery attraction to the area and it reduces air pollution. Another stakeholder expressed, "by developing wind energy resource, it creates a new alternative to the carbon reduction efforts"
What do you not like about the project?	Not indicated. The stakeholders do not think that the project would lead to any negative effects. They are quite supportive towards the renewable energy development in their area.



## Gold Standard Local Stakeholder Consultation Report

Signature	
Comments accompanying Annex 2	

### C. 2. Pictures from physical meeting(s)

[See Toolkit 2.6 and 2.6.1]



The meeting venue



The stakeholders arrived



Mr. Roger Lee from InfraVest gave presentation about the proposed project.

## Gold Standard Local Stakeholder Consultation Report





## Gold Standard Local Stakeholder Consultation Report



Mr. Zheng, Da-Cheng, owner of a landscaping company, commented that the greening efforts in the wind area could be extended into planting various types of plantations to embellish the surrounding landscape.



Local stakeholders filling out the questionnaires



## Gold Standard Local Stakeholder Consultation Report



### C. 3. Outcome of consultation process

#### i. Minutes of physical meeting(s)

##### A. Opening of the meeting

The meeting was opened by Mr. Roger Lee, the Assistant of Vice General Manager of InfraVest Wind Power Group. Mr. Lee introduced himself and thanked all the participants for coming to the meeting.

##### B. Explanation of the project

Mr. Lee started with a brief introduction of the background of InfraVest Wind Farm Group and its various records in wind farm constructions. He particularly referred to several wind farm projects in Taiwan that are built by the InfraVest Group, and pointed out the productivity of those sites.

Afterwards, he started to explain the project background of each wind farm in the proposed project. Mr. Lee described the exact location of the wind farm, and gave a simple description of the technical facts of the project. Then, he proceeds to the impacts of the project towards the environment. Wind power generation is

## Gold Standard Local Stakeholder Consultation Report

a zero-pollution renewable energy project. It has gained interest among countries, along with the increasing global popularity of emission reduction and sustainable environment. In terms of replacing the fossil fuel electricity generation which dominates the national grid, a wind power project leads to GHG emission reduction, thus improves air and water quality. At the same time, with a proper development plan with the government, wind farm sites could also be cultivated as a tourism spot.

### C. Q & A Session

Mr. Lee invited the stakeholders to ask questions and to express comments regarding the project.

Mr. Cai, Ming-He, a local resident who is also Jianxing Village Head (Dajia Township) expressed two comments. First, he pointed out that sometimes a noise problem would occur for some of the residents in nearby area within 200 m from a wind turbine. He questioned whether there is any approach to be taken by the project owner to overcome this issue. Second, is there any plan to embellish the turbines' appearance?

Responding to Mr. Cai's inquiry, Mr. Lee explained that the project owner always strictly selects the model and type of wind turbines to be applied for their projects. Only those which meet high quality standards and specific project requirements are to be chosen (for this project: Enercon E70 Wind Turbine). From the regulatory point of view, noise level of the wind turbines is within the acceptable range. However, the project owner promised to minimize the impact of wind farm operation towards the local residents. Hence, for the neighbouring residents who feel affected by the noise, the project owner offers to install airtight windows to significantly reduce noise level in the houses.

As a response to Mr. Cai's second question, Mr. Lee stated that the project owner plans to greening the area surrounding the wind turbines.

Mr. Zheng, Da-Cheng, a local resident who works in a landscaping industry commented that the greening efforts in the wind area could be extended into planting various types of plantations to embellish the surrounding landscape. He pointed out that he could provide service in this field if needed.

Mr. Lee responded, the project owner will consider Mr. Zheng's suggestions and will contact him in case needed.

### D. Blind Sustainable Development Exercise

Mr. Lee proposed a Blind Sustainable Development Exercise to the locals. He explained every parameter in the matrix, in accordance to the environmental impact assessments of the projects.

### E. Open discussion on the project

Mr. Lee invites the locals to have an open discussion about any thoughts or questions. The locals did not express any inquiries or concerns to discuss.

### F. Closure of the meeting

Mr. Lee kindly asked the locals to write down their thoughts and comments in the Evaluation Form, and thanked all meeting participants once again for attending.

## Gold Standard Local Stakeholder Consultation Report

### ii. Minutes of other consultations

There has been no other consultation.

### iii. Assessment of all comments

[See Toolkit 2.6]

Stakeholder comment	Was comment taken into account (Yes/ No)?	Explanation (Why? How?)
Noise problem might occur for some of the residents in nearby area within 200 m from a wind turbine. Is there any approach planned to overcome this problem?	Yes	From the regulatory point of view, noise level of the wind turbines is within the acceptable range. However, the project owner promised to minimize the impact of wind farm operation towards the local residents. Hence, for the neighbouring residents who feel affected by the noise, the project owner offers to install airtight windows to significantly reduce noise level in the houses.
Is there any plan to embellish the turbines' appearance?	Yes	The project owner plans to greening the area surrounding the wind turbines.
Mr. Zheng, Da-Cheng, a local resident who works in a landscaping industry commented that the greening efforts in the wind area could be extended into planting various types of plantations to embellish the surrounding landscape. He pointed out that he could provide service in this field if needed.	The PO will consider	The project owner will consider Mr. Zheng's suggestions and will contact him in case needed.

### iv. Revisit sustainability assessment

Are you going to revisit the sustainable development assessment?	Yes	No
Please note that this is necessary when there are indicators scored	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## Gold Standard Local Stakeholder Consultation Report

'negative' or if there are stakeholder comments that can't be mitigated

**[See Toolkit 2.7]**

Give reasoning behind the decision

According to this stakeholder consultation process, it is clear that the stakeholders are very supportive towards the development of the proposed project. Some minor question about noise was raised; however given this is a very minor issue and mitigation measures had already been planned in the earliest stage of project design, a further assessment is not needed.

### v. Summary of alterations based on comments

If stakeholder comments have been taken into account and any aspect of the project modified, then please discuss that here.

**[See Toolkit 2.6.2, 2.8]**

The stakeholder comments are taken into consideration, though those comments and planned mitigations has no effect on the project design. Therefore there is no aspect of the project that needs significant modifications.



## Gold Standard Local Stakeholder Consultation Report

### SECTION D. SUSTAINABLE DEVELOPMENT ASSESSMENT

#### D. 1. Own sustainable development assessment

##### i. 'Do no harm' assessment

[See Toolkit 2.4.1 and Toolkit Annex H]

Safeguarding principles	Description of relevance to my project	Assessment of my project risks breaching it (low/ medium/ high)	Mitigation measure
<b>Human Rights</b>			
1. The project respects internationally proclaimed human rights including dignity, cultural property, and uniqueness of indigenous people. The project is not complicit in Human Rights abuses.	The project respects internationally proclaimed human rights. Taiwan has its own legislation in place prohibiting the violation of human rights principle and it actively enforces the compliance of such principle. Taiwan ratified two UN human rights treaties—the International Covenant on Civil and Political Rights and the International Covenant on Economic, Social, and Cultural Rights—and passed the implementing law to bring relevant regulations and practice into line with the treaties. The widely recognized democracy, political freedom, and human rights watchdog organization, <i>Freedom House</i> rates Taiwan as among the most "Free" nations in Asia (labelled as green), with a 2 in Political Rights and a 1 in Civil Liberties (scale of 1-7, with 1 being the highest) 2009 report: <a href="http://www.freedomhouse.org/template.cfm?page=363&amp;year=2009&amp;country=7714">http://www.freedomhouse.org/template.cfm?page=363&amp;year=2009&amp;country=7714</a> 2010 report: <a href="http://www.freedomhouse.org/template.cfm?page=22&amp;year=2010&amp;country=7929">http://www.freedomhouse.org/template.cfm?page=22&amp;year=2010&amp;country=7929</a> .	Low	N/A
2. The project does not involve and is not complicit in involuntary resettlement.	The proposed project is constructed distanced to residential area. Therefore, resettlement is not at all necessary.	Low	N/A
3. The project does not involve and is not complicit in the alteration, damage, or removal of any critical cultural heritage.	The project is evidenced to be constructed far from any cultural heritage.	Low	N/A
<b>Labour Standards</b>			
4. The project respects the employees' freedom of association and their right to collective bargaining and is not complicit in restrictions of these freedom and rights	Labour rights are protected in the Labour Standards Act ( <a href="http://law.moi.gov.tw/eng/LawClass/LawAll.aspx?PCode=N0030001">http://law.moi.gov.tw/eng/LawClass/LawAll.aspx?PCode=N0030001</a> ). The right to unionize, bargain collectively are highly protected by Labor Union Law: <a href="http://laws.cla.gov.tw/Eng/FLAW/FLAWDAT01.asp?lsid=FL014918">http://laws.cla.gov.tw/Eng/FLAW/FLAWDAT01.asp?lsid=FL014918</a> . The project fully respects the employees' freedom and rights and all related laws endorsed within Taiwan R.O.C. Law compliance is subject to government's ruling.	Low	N/A
5. The project does not involve and is not complicit in any form of forced or compulsory labour.	Forced or compulsory labour is regulated in the Labour Standards Act ( <a href="http://law.moi.gov.tw/eng/LawClass/LawAll.aspx?PCode=N0030001">http://law.moi.gov.tw/eng/LawClass/LawAll.aspx?PCode=N0030001</a> ). The project fully respects the employees' rights in accordance with all labour related laws endorsed within Taiwan R.O.C. Law compliance is subject to government's	Low	N/A



## Gold Standard Local Stakeholder Consultation Report

	inspection and ruling. In case of any terms of violation, due penalty would be enforced as in accordance to the regulations.		
6. The project does not employ and is not complicit in any form of child labour.	In Taiwan, there is a comprehensive definition of child labour in terms of age limitation, working hours, etc. Such employment regulations are described in Labour Standard Act Chapter 5: <a href="http://law.moj.gov.tw/eng/LawClass/LawAll.aspx?PCode=N0030001">http://law.moj.gov.tw/eng/LawClass/LawAll.aspx?PCode=N0030001</a> The proposed project requires a limited number of skilled employees to operate, maintain, and manage the wind farm, as opposed to manufacturing industries which may require abundant low-skilled labour. Therefore, the project does not employ and is not complicit in any form of child labour.	Low	N/A
7. The project does not involve and is not complicit in any form of discrimination based on gender, race, religion, sexual orientation or any other basis.	Specifically regarding the gender equality, detailed enforcement rules are regulated in 'Gender Equality in Employment Act' ( <a href="http://laws.cla.gov.tw/Eng/FLAW/FLAWDAT01.asp?lsid=FL015149">http://laws.cla.gov.tw/Eng/FLAW/FLAWDAT01.asp?lsid=FL015149</a> <a href="http://laws.cla.gov.tw/Eng/FLAW/FLAWDAT01.asp?lsid=FL015150">http://laws.cla.gov.tw/Eng/FLAW/FLAWDAT01.asp?lsid=FL015150</a> ), and in case of lawsuit occurrence, legal aid could be provided as in accordance to 'Regulations for Providing Legal Aid in Lawsuits Concerning Gender Equality in Employment Act' ( <a href="http://laws.cla.gov.tw/Eng/FLAW/FLAWDAT01.asp?lsid=FL015152">http://laws.cla.gov.tw/Eng/FLAW/FLAWDAT01.asp?lsid=FL015152</a> ) The project abides the rules of equality accordingly and does not involve and is not complicit in any form of discrimination.	Low	N/A
8. The project provides workers with a safe and healthy work environment and is not complicit in exposing workers to unsafe or unhealthy work environments.	Proposed project applies an automated wind power generating facility, equipped with a remote controlling system. Therefore, most of the employees work in indoor environment (at the office), instead of having to standby at the wind farm site. In case of on-site monitoring and device maintenance - since wind turbine does not generate any type of pollutants, employees are not exposed to unsafe or unhealthy environment. The project owner's office space complies with the detailed principles of working environment as described in 'Enforcement Rules of Labour Safety and Health at Workplace, Taiwan R.O.C.': <a href="http://laws.cla.gov.tw/Chi/FLAW/FLAWDAT01.asp?lsid=FL015021">http://laws.cla.gov.tw/Chi/FLAW/FLAWDAT01.asp?lsid=FL015021</a>	Low	N/A
<b>Environmental Protection</b>			
9. The project takes a precautionary approach in regard to environmental challenges and is not complicity in practices contrary to the precautionary principle. This principle can be defined as "When an activity raises threats of harm to human health or environment, precautionary measures should be taken even if some cause and effect relationships are not fully established scientifically."	EIA is conducted in compliance with laws and regulations	Low	N/A
10. The project does not involve and is	The project does not involve and is not complicit in significant	Low	N/A

## Gold Standard Local Stakeholder Consultation Report

not complicit in significant conversion or degradation of critical natural habitats, including those that are (a) legally protected, (b) officially proposed for protection, (c) identified by authoritative sources for their high conservation value or (d) recognized as protected by traditional local community	conversion or degradation of critical natural habitats		
<b>Anti-Corruption</b>			
11. The project does not involve and is not complicit in corruption	The project is owned by a private equity company, and there is <b>no</b> governmental subsidy disbursed to the project. Therefore, the project does not involve and is not complicit in corruption and is not prone to entrusted power abuse nor corruption. Moreover, Taiwan was ranked 37 out of 180 countries surveyed in Transparency International's Worldwide Corruption Perceptions Index <a href="http://en.wikipedia.org/wiki/Corruption_Perceptions_Index">http://en.wikipedia.org/wiki/Corruption_Perceptions_Index</a>	<b>Low</b>	<b>N/A</b>
<b>Additional relevant critical issues for my project type</b>	<b>Description of relevance to my project</b>	<b>Assessment of relevance to my project (low/medium/high)</b>	<b>Mitigation measure</b>
1			
2			
Etc.			

### ii. Sustainable development matrix

[See Toolkit 2.4.2 and Toolkit Annex I]

Indicator	Mitigation measure	Relevance to achieving MDG	Chosen parameter and explanation	Preliminary score
Gold Standard indicators of sustainable development	If relevant, copy mitigation measure from 'Do No Harm' assessment, and include mitigation measure used to neutralise a score of '-'	Check <a href="http://www.undp.org/mdg">www.undp.org/mdg</a> and <a href="http://www.mdgmonitor.org">www.mdgmonitor.org</a>  Describe how your indicator is related to local MDG goals	Defined by project developer	<u>Negative impact:</u> score '-' in case negative impact is not fully mitigated, score '0' in case impact is planned to be fully mitigated  <u>No change in impact:</u> score '0'  <u>Positive impact:</u> score '+'
Air quality			The proposed project replaces the fossil fuel electricity generation, which dominates the national grid; it reduces the emissions of GHG	<b>0</b>

## Gold Standard Local Stakeholder Consultation Report

			considering the high installed capacity of the national grid; this project contributes on improvement of the air quality. However, quantifying the improvement in air quality requires complex calculation, therefore this scores '0'	
Water quality and quantity			The project does not generate and waste water during its operation, therefore it has no impact on the water quality. Consequently, it scores '0'.	0
Soil condition			<b>Explanation:</b> According to the EIA report, the project has no impact on soil condition, therefore it scores '0'.	0
Other pollutants			<b>Chosen parameter:</b> level of noise/light <b>Explanation:</b> the proposed project complies with the EPA's noise level standard. For residents who live very close to the wind turbine (< 200 m) and feel affected by the wind noise, the project owner offers to install airtight windows to significantly reduce noise in their houses. Therefore, this scores '0'.	0
Biodiversity			There is no significant impact on the biodiversity upon project development.	0
Quality of employment			<b>Chosen parameter:</b> Highly qualified jobs resulting from the project activity The project development creates recruitment opportunities with high qualification standard for local people during both construction and operation phase. In fact, it is required by Taiwan Government for any power generation related projects to employ a skilled engineer, who are responsible for the operation and maintenance of the system. The staff will also be trained regarding technical issues.	+
Livelihood of the poor			There is no significant impact on this aspect resulting from the project development.	0
Access to affordable and clean energy services			<b>Chosen parameter:</b> change in traditional fuel consumption, dependency of fuel/energy imports. The project facilitates access to clean electricity in terms of replacing fuel use for the same amount of electricity generated given the baseline scenario. Wind farm development in Taiwan is also particularly important for its efforts to reduce dependency on imported fuel.	+

## Gold Standard Local Stakeholder Consultation Report

Human and institutional capacity			There is no significant impact on this aspect resulting from the project development.	0
Quantitative employment and income generation			<b>Chosen parameter:</b> number of jobs The project activity generates employment opportunities during the project construction and operation period.	+
Balance of payments and investment			Wind farm development will help reduce fossil fuel imports in Taiwan. Yet, it requires complex quantification and monitoring, therefore it scores '0'	0
Technology transfer and technological self-reliance			The staff will be trained regarding technical issues. Though, there has not been public seminars or workshop held according to the project. Therefore, it scores '0'.	0

### Comments accompanying own sustainable development matrix

The proposed project contributes significantly to the region's sustainable development. For other pollutants such as noise and light levels, the proposed project complies with the EPA's noise level standard. For residents who live very close to the wind turbine (< 200 m) and feel affected by the wind noise, the project owner offers to install airtight windows to significantly reduce noise in their houses. Therefore this is scored '0'.

From the social and economic sustainability standpoint, the proposed project will create new job opportunities in the local area during both construction and operation phases. Given the capacity, this wind farm will provide clean electricity to the equivalent of 69,741 households<sup>1</sup> with much lower cost from that of the baseline scenario. Furthermore, wind power development is also one of the solutions for the country's dependency on fossil fuel imports. It is expected to lead to both economic and infrastructural development of the region.

From the technological point of view, the project would open opportunities for technology and know-how transfer as the employees are trained on maintenance, safety and operational issues by German wind turbine manufacturer Enercon.

### D. 2. Stakeholders Blind sustainable development matrix

[See Toolkit 2.6.1]

Indicator	Mitigation measure	Chosen parameter and explanation	Score given by stakeholders
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<sup>1</sup> Taipower Statistic Data (2005-2009): Average household power usage is 316.6 kWh/month (3,799.2 kWh/year)  
[http://www.taipower.com.tw/left\\_bar/jing\\_ying\\_ji\\_xiao/5year\\_effects.htm](http://www.taipower.com.tw/left_bar/jing_ying_ji_xiao/5year_effects.htm)

## Gold Standard Local Stakeholder Consultation Report

Gold Standard indicators of sustainable development.	If relevant copy mitigation measure from “do no harm” –table, or include mitigation measure used to neutralise a score of ‘-’	Defined by project developer	Negative impact: score ‘-’ in case negative impact is not fully mitigated score 0 in case impact is planned to be fully mitigated No change in impact: score 0 Positive impact: score ‘+’		
			Number of votes		
			-	0	+
Air quality				30	29
Water quality and quantity				32	27
Soil condition				46	13
Other pollutants	For residents who live very close to the wind turbine (< 200 m) and feel affected by the wind noise, the project owner offers to install airtight windows to significantly reduce noise in their houses.			34	24
Biodiversity				37	21
Quality of employment				41	18
Livelihood of the poor				49	10
Access to affordable and clean energy services				27	32
Human and institutional capacity				46	13
Quantitative employment and income generation				33	26
Balance of payments and investment				50	9
Technology transfer and technological self-reliance				30	28

### Comments resulting from the stakeholders blind sustainable development matrix

The local residents are not yet familiar with wind farms and InfraVest Group, given the fact that wind power technology is a newly developed alternative energy generation in Taiwan. Therefore, they were not sure about possible impacts in several aspects written in the matrix. However, the stakeholders didn't rate any of the aspects negative. The differences only ranged between 'neutral' and 'positive' values in most of the aspects of the matrix.

## Gold Standard Local Stakeholder Consultation Report

Give analysis of difference between own sustainable development matrix and the one resulting from the blind exercise with stakeholders. Explain how both were consolidated.

The conclusion presented in the consolidation matrix adopts a more conservative approach in terms of the parameters and their monitoring applicability.

### D. 3. Consolidated sustainable development matrix

[See Toolkit 2.4.2]

Indicator	Mitigation measure	Relevance to achieving MDG	Chosen parameter and explanation	Final score
Gold Standard indicators of sustainable development.	If relevant copy mitigation measure from "do no harm" – table, or include mitigation measure used to neutralise a score of '–'	Check <a href="http://www.undp.or/mdg">www.undp.or/mdg</a> and <a href="http://www.mdgmonitor.org">www.mdgmonitor.org</a>  Describe how your indicator is related to local MDG goals	Defined by project developer	Negative impact: score '–' in case negative impact is not fully mitigated score 0 in case impact is planned to be fully mitigated No change in impact: score 0 Positive impact: score '+'
Air quality			The proposed project replaces the fossil fuel electricity generation, which dominates the national grid; it reduces the emissions of GHG considering the high installed capacity of the national grid; this project contributes on improvement of the air quality. However, quantifying the improvement in air quality requires complex calculation, therefore this scores '0'	0
Water quality and quantity			The project does not generate and waste water during its operation, therefore it has no impact on the water quality. Thus, it scores '0'.	0
Soil condition			According to the EIA report, the project has no impact on soil condition, therefore it scores '0'.	0
Other pollutants			<b>Chosen parameter:</b> level of noise/light <b>Explanation:</b> the proposed project complies with the EPA's noise level standard. For residents who live very close to the wind turbine (< 200 m) and feel affected by the wind noise, the project owner offers to install airtight windows to significantly reduce noise in their houses. Therefore, this scores '0'.	0
Biodiversity			There is no significant impact on the biodiversity upon project development.	0
Quality of employment			<b>Chosen parameter:</b> Highly qualified jobs resulting from the project activity	0

<sup>2</sup> <http://laws.cla.gov.tw/Eng/FLAW/FLAWDAT01.asp?lsid=FL014930>

## Gold Standard Local Stakeholder Consultation Report

			<p><b>Explanation:</b> The project development creates recruitment opportunities with qualification standard for technicians during both construction and operation phase. The staffs were trained by InfraVest, and the training includes technical, operational and maintenance instructions. The project owner provides Labor Insurance for the staffs as required by the national regulations (Labor Standards Act<sup>2</sup>, etc). However, since the training programmes were held during the earlier phase of project development, and the labor insurance is in compliance with the law, thus in a conservative standpoint, this indicator scores a “0”</p>	
Livelihood of the poor			There is no significant impact on this aspect resulting from the project development.	0
Access to affordable and clean energy services			<p><b>Chosen parameter:</b> change in traditional fuel consumption, dependency of fuel/energy imports.</p> <p><b>Explanation:</b> The project facilitates access to clean electricity in terms of replacing fuel use for the same amount of electricity generated given the baseline scenario. Wind farm development in Taiwan is also particularly important in its efforts to reduce dependency on imported fuel.</p>	+
Human and institutional capacity			There is no significant impact on this aspect resulting from the project development.	0
Quantitative employment and income generation			<p><b>Chosen parameter:</b> number of jobs</p> <p><b>Explanation:</b> The project activity generates employment opportunities during the project construction and operation period.</p>	+
Balance of payments and investment			Wind farm development will help reduce fossil fuel imports in Taiwan. Yet, it requires complex quantification and monitoring, therefore this scores ‘0’	0
Technology transfer and technological self-reliance			The project owner had organized capacity building for the local staffs, so that it is no longer necessary to import the skilled foreign workers. Though, there has not been public seminars or workshop held according to the project. Therefore, it scores ‘0’.	0
<b>Justification choices, data source and provision of references</b>				
Air quality	The proposed project replaces the fossil fuel electricity generation, which dominates the national grid; it reduces the emissions of GHG and other pollutants considering the high installed capacity of the national grid; therefore, this project contributes on improvement of the air quality. However, quantifying the improvement in air quality requires complex calculation, therefore this scores ‘0’			
Water quality and quantity	According to the EIA report, the project does not generate and waste water during its operation, therefore it has no impact on the water quality.			
Soil condition	According to the EIA report, the project has no impact on soil condition, therefore it scores ‘0’.			
Other pollutants	Parameter chosen in assessment of other pollutants impact is level of noise/light. Survey result of this aspect is reported in the EIA report, it shows that the effect is very minimum / negligible. However, for residents who live very close to the wind turbine (< 200 m) and feel affected by the wind noise, the project owner offers to install airtight windows to significantly reduce noise in their houses.			

## Gold Standard Local Stakeholder Consultation Report

Biodiversity	According to the EIA report, the measurement is based on number of affected plants and animals. Since the construction process is kept small-scaled at a time, the impact towards biodiversity is very limited.
Quality of employment	Parameter chosen for this aspect is the employment opportunity with high qualifications derived from the project. Taiwan Government requires a highly skilled chief engineer (with certain certification) to perform such power generation projects, responsible for the construction planning, operational and maintenance of the system.
Livelihood of the poor	In terms of livelihood of the poor: poverty alleviation, access to health care services and sanitation, there were no significant issues derived from the proposed project.
Access to affordable and clean energy services	Parameter chosen for this aspect is change in traditional fuel consumption, dependency of fuel/energy imports. Wind farm development in Taiwan is particularly important for its efforts to reduce Taiwan's dependency on imported fuel (which according to 2009 statistics has reached 99.4%), in addition to clean electricity supply to the grid (wind power generation amounted 0.34% of total grid generation, as per 2009 statistics report). Based on data from the same year, the proposed project shall contribute to approximately 18% of the total wind farm generation, which means 0.06% of the total grid generation. Reference: <i>Energy Statistic Yearbook, 2009</i> – Bureau of Energy, Ministry of Economic Affairs, <i>Energy Statistic Yearbook, 發電裝置容量及發電量統計表(082~098)</i> , '28.Power Generation', 能源供給與消費及能源供給(自產與進口別)(098), '3. Energy Supply (Indigenous and Imported)' <a href="http://www.moeaboe.gov.tw/opengovinfo/Plan/all/energy_year/main/EnergyYearMain.aspx?PageId=default">http://www.moeaboe.gov.tw/opengovinfo/Plan/all/energy_year/main/EnergyYearMain.aspx?PageId=default</a>
Human and institutional capacity	There were no significant impacts deriving from the proposed project development in any of the possible parameters.
Quantitative employment and income generation	In terms of quantitative employment and income generation, the project activity generates project employment opportunities during the project construction and operation period.
Balance of payments and investment	Wind farm development in Taiwan will help reduce its dependency in fossil fuel imports. Yet, it requires complex quantification and monitoring
Technology transfer and technological self-reliance	In terms of technology transfer, the staffs responsible for operation and maintenance will be trained in regards of technical issues. However, there is no public seminars or workshop held.

References can be an academic or non-academic source, such as a university research document, a feasibility study report, EIA, relevant website, etc.



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### **SECTION E. DISCUSSION ON SUSTAINABILITY MONITORING PLAN**

**[See Toolkit 2.4.3 and 2.6.1]**

Discuss stakeholders' ideas on monitoring sustainable development indicators. Do people have ideas on how this could be done in a cost effective way? Are there ways in which stakeholders can participate in monitoring?

Monitoring sustainable development indicators were discussed during the meeting. PP invited the stakeholders to express their opinions on this matter, and stakeholders were encouraged to be involved in the monitoring process, and they were encouraged to report the indicators in case that impacts their life, especially the indicator of noise. As discussed, for stakeholders who live very close to the wind turbines less 200m, the PP will install airtight windows for them to neutralize the impact of noise.

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### **SECTION F. DESCRIPTION OF THE DESIGN OF THE STAKEHOLDER FEEDBACK ROUND**

#### **[See Toolkit 2.11]**

Stakeholder feedback round will be done later on after the stakeholder concerns have been addressed. As planned, this will be done from June 2012. Telephone interviews and emails will be done for collecting stakeholder opinions. Furthermore, PP appointed 10 representatives in every villages and counties that impacted by the project bundle. The representative will call or visit the stakeholders in their areas and feedbacks will be collected and report to PP.

## Gold Standard Local Stakeholder Consultation Report

### ANNEX 1. ORIGINAL PARTICIPANTS LIST



#### InfraVest Taiwan Wind Farms Bundled Project 2011 Local Stakeholder Consultation Meeting - Participants List

##### 利益相關方會議 - 與會者名單

Date and Time / 日期及時間: January 3, 2011 - 11:00 (GMT +08:00)

Location / 地點: Taihsing Seafood Restaurant / 131-8, Haipu Village 8<sup>th</sup> Lane, Houlong Township, Miaoli County, Taiwan (太興活海鮮餐廳 苗栗縣後龍鎮海埔里 8 鄰 131-8 號)

Name 姓名	Sex 性別	Organization 單位名稱	Position 職稱	Contact Details 聯絡方式	Signature 簽名
郭美華	女	大山里	里長	0958-97558	郭美華
楊清華		建興里	連身	26815159	
邵李萊頭	女	建興里	連身	26819830	邵李萊頭
鄭彩鳳	女	建興里		26816237	鄭彩鳳
楊陳礪		建興里		26812130	





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Name 姓名	Sex 性別	Organization 單位名稱	Position 職稱	Contact Details 聯絡方式	Signature 簽名
葉麗雲	女			0426815949	葉麗雲
鄭錢	女				鄭錢
邱素絲	女				邱素絲
耿阿敏	女				耿阿敏
林金韻	女				林金韻
梁義源	男				梁義源
邱淑子	女				邱淑子
催月照	女				催月照



從話

**infraVest**[illegible]

## Gold Standard Local Stakeholder Consultation Report

人口

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Name 姓名	Sex 性別	Organization 單位名稱	Position 職稱	Contact Details 聯絡方式	Signature 簽名
鄭金鍊	女			26813055	鄭金鍊
林朱和風	女			26811165	林朱和風
郭進來	男			26815949	郭進來
郭榮富	男			26812497	郭榮富
鄭明霞	女			26812497	鄭明霞
羅絲秀	女			26814842	羅絲秀
楊芳三	男			26811696	楊芳三
楊啟芳	男			26813880	楊啟芳
鄭田田	男			26814436	鄭田田
劉美津	女			2614436	劉美津

 south pole

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Name 姓名	Sex 性別	Organization 單位名稱	Position 職稱	Contact Details 聯絡方式	Signature 簽名
盧廷政	男	南亞電	主辦	0782270735	盧廷政
姜美足	女			0916859858	
鄒素貞	女	居民		0928630331	
盧廷龍	男	居民		035571891	
盧美芳	女	居民		0911214908	
鄒淑英	女	居民		035596839	
盧朝興	男	居民		0936030292	
盧雅惠	女	居民		0982270736	



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Name 姓名	Sex 性別	Organization 單位名稱	Position 職稱	Contact Details 聯絡方式	Signature 簽名
蔡明河	男	連良里	里長	0935-725945	
譚燕清	男	福德里	里長	0933-554630	
莊明堯	男	台中市大安区 中庄里	里長	0936-964513	
黃遠日	男	觀音代表會	代表	03-4732016	
劉鴻昌	男	观音鄉公所		0932-371552	
黃秀雲	女	觀音保生村	村長	0963030822	
馮嘉文	男	观音鄉公所	秘書	03-4735384	
林清井	男	观音鄉公所	司秘	034732001	
陳江波	男	观音鄉代表會	主席	034732016	
歐炳辰	男	观音鄉公所	鄉長	034732016	
許東生	男	观音鄉公所		03-4732001	

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### ANNEX 2. ORIGINAL EVALUATION FORMS

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#### InfraVest Taiwan Wind Farms Bundled Project 2011

InfraVest Fongwei Wind farm project, Taiwan

InfraVest Longwei Wind farm project, Taiwan

InfraVest Chungwei Wind farm project, Taiwan

InfraVest Tauwei Wind farm project, Taiwan

2011/01/03

11:00 am

### Participant / 參與者:

Name / 姓名	Contact address / 聯絡地址	Contact number / 連絡電話
詹 志 豪	不來 區 里 安 居 自 然 科 公 府	(03) 4732121 #306

請於會議結束後交回報到櫃檯

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Carbon Asset Management Ltd

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#### InfraVest Taiwan Wind Farms Bundled Project 2011

#### Local Stakeholder consultation - Evaluation Forms

#### 評估表

Did this meeting help you understand more about the project? 請問對您而言參加此次會議是否有幫助?	<input checked="" type="checkbox"/> Yes 是	<input type="checkbox"/> No 否	<input type="checkbox"/> Do not know 不知道
Explain the reason 請說明理由			
Do you think that this project will lead to positive contribution? 請問您是否認為此專案將導致許多好處?	<input checked="" type="checkbox"/> Yes 是	<input type="checkbox"/> No 否	<input type="checkbox"/> Do not know 不知道
Explain the reason 請說明理由			
Do you think that this project will lead to negative effects? 請問您是否認為此專案將導致許多壞處?	<input type="checkbox"/> Yes 是	<input checked="" type="checkbox"/> No 否	<input type="checkbox"/> Do not know 不知道
Explain the reason 請說明理由			
Signature 簽名	詹 志 豪		

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Carbon Asset Management Ltd

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#### InfraVest Taiwan Wind Farms Bundled Project 2011

#### Local Stakeholder consultation - Sustainable Development Matrix

Gold Standard indicators of sustainable development 黃金標準永續發展指標	Mitigation measure 對策	Chosen parameter and explanation 其原因及說明	Score given by stakeholders 評分 Positive impact: score +4 正面影響: 評分+4 No change in impact: score 0 無任何影響改變: 評分0 Negative impact: score -4 in case negative impact is not fully mitigated. Score 0 in case impact is planned to be fully mitigated. 負面影響: 若負面影響之影響有完全對策: 則評分-4, 否則負面影響之影響並無完全對策: 則評分0
Air quality 空氣品質			0
Water quality and quantity 水質及水量			0
Soil condition 地質狀況			0
Other pollutants 其他污染			0
Biodiversity 生物多樣性			0
Quality of employment 就業品質			0
Livelihood of the poor 貧窮者的生計			0
Access to affordable and clean energy services 取得清潔能源之途徑			+
Human and institutional capacity 個人及機構能力			0
Quantitative employment and income generation 就業及收入機會			+
Balance of payments and investment 支出與投資之對比			0
Technology transfer and technological self-reliance 技術轉移及技術獨立性			0



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InfraVest Chungwei Wind farm project, Taiwan

InfraVest Tauwei Wind farm project, Taiwan

2011/01/03

11:00 am

### Participant / 參與者:

Name / 姓名	Contact address / 聯絡地址	Contact number / 聯絡電話
林嘉豪	屏東縣高樹鄉中山路83號	03-84732721 #317

請於會議結束後交回報到櫃檯



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Local Stakeholder consultation - Evaluation Forms

### 評估表

Did this meeting help you understand more about the project? 請問對您而言參加此次會議是否有幫助?	<input checked="" type="checkbox"/> Yes 是	<input type="checkbox"/> No 否	<input type="checkbox"/> Do not know 不知道
Explain the reason 請說明理由			
Do you think that this project will lead to positive contribution? 請問您是否認為此專案將導致許多好處?	<input checked="" type="checkbox"/> Yes 是	<input type="checkbox"/> No 否	<input type="checkbox"/> Do not know 不知道
Explain the reason 請說明理由			
Do you think that this project will lead to negative effects? 請問您是否認為此專案將導致許多壞處?	<input type="checkbox"/> Yes 是	<input checked="" type="checkbox"/> No 否	<input type="checkbox"/> Do not know 不知道
Explain the reason 請說明理由			
Signature 簽名	林嘉豪		



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Local Stakeholder consultation - Sustainable Development Matrix

Gold Standard indicators of sustainable development 黃金標準永續發展指標	Mitigation measure 對策	Chosen parameter and explanation 其因素及說明	Score given by stakeholders 評分 Positive impact: score "+" 正面影響: 評分 "+" No change in impact: score 0 無任何影響改變: 評分 0 Negative impact: score "-" in case negative impact is not fully mitigated. Score 0 in case impact is planned to be fully mitigated. 負面影響: 若對產生之影響有完善對策, 則評分 "0", 若對產生之影響並無完善對策, 則評分 "-".
Air quality 空氣品質			0
Water quality and quantity 水質及水量			0
Soil condition 地質狀況			0
Other pollutants 其他污染			0
Biodiversity 生物多樣性			0
Quality of employment 就業品質			0
Livelihood of the poor 貧苦者的生計			0
Access to affordable and clean energy services 取得經濟而潔淨之能源			+
Human and institutional capacity 個人及機構能力			0
Quantitative employment and income generation 就業及收入機會			+
Balance of payments and investment 支出與投資之對比			0
Technology transfer and technological self-reliance 技術轉移及技術獨立性			0

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InfraVest Longwei Wind farm project, Taiwan  
InfraVest Chungwei Wind farm project, Taiwan  
InfraVest Tauwei Wind farm project, Taiwan

2011/01/03

11:00 am

### Participant / 參與者:

Name / 姓名	Contact address / 聯絡地址	Contact number / 連絡電話
盧廷政	新竹縣新豐鄉	092270735

請於會議結束後交回報到櫃檯



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### 評估表

Did this meeting help you understand more about the project? 請問對您而言參加此次會議是否有幫助?	<input checked="" type="checkbox"/> Yes 是	<input type="checkbox"/> No 否	<input type="checkbox"/> Do not know 不知道
Explain the reason 請說明理由	對風力發電有進一步的了解		
Do you think that this project will lead to positive contribution? 請問您是否認為此專案將導致許多好處?	<input checked="" type="checkbox"/> Yes 是	<input type="checkbox"/> No 否	<input type="checkbox"/> Do not know 不知道
Explain the reason 請說明理由	增進景觀、減少污染		
Do you think that this project will lead to negative effects? 請問您是否認為此專案將導致許多壞處?	<input type="checkbox"/> Yes 是	<input checked="" type="checkbox"/> No 否	<input type="checkbox"/> Do not know 不知道
Explain the reason 請說明理由	再生能源 Good		
Signature 簽名	盧廷政		



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Gold Standard indicators of sustainable development 黃金標準永續發展指標	Mitigation measure 對策	Chosen parameter and explanation 選定參數及說明	Score given by stakeholders 評分 Positive impact: score "+" 正面影響: 得分 "+" No change in impact: score 0 無任何影響改變: 得分 0 Negative impact: score "-" in case negative impact is not fully mitigated. Score 0 in case impact is planned to be fully mitigated 負面影響: 當對產生之影響有實質對策 則評分 "-" 若對產生之影響並無實質對策 則評分 0
Air quality 空氣品質			+
Water quality and quantity 水質及水量			+
Soil condition 陸地狀況			0
Other pollutants 其他污染			+
Biodiversity 生物多樣性			0
Quality of employment 就業品質			0
Livelihood of the poor 貧苦者的生計			0
Access to affordable and clean energy services 取得清潔能源之服務			+
Human and institutional capacity 個人及機構能力			0
Quantitative employment and income generation 就業及收入機會			0
Balance of payments and investment 國際收支之平衡			0
Technology transfer and technological self-reliance 技術轉移及技術自主性			+

## Gold Standard Local Stakeholder Consultation Report

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InfraVest Chungwei Wind farm project, Taiwan  
InfraVest Tauwei Wind farm project, Taiwan

2011/01/03

11:00 am

### Participant / 參與者:

Name / 姓名	Contact address / 聯絡地址	Contact number / 連絡電話
莊明堯	台中市大安区中庄里 中松路46号	04-26712263 0936-964513

請於會議結束後交回報到櫃檯



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### InfraVest Taiwan Wind Farms Bundled Project 2011

#### Local Stakeholder consultation - Evaluation Forms

#### 評估表

Did this meeting help you understand more about the project? 請問對您而言參加此次會議是否有幫助?	<input checked="" type="checkbox"/> Yes 是	<input type="checkbox"/> No 否	<input type="checkbox"/> Do not know 不知道
Explain the reason 請說明理由	增加減碳知識		
Do you think that this project will lead to positive contribution? 請問您是否認為此專案將導致許多好處?	<input checked="" type="checkbox"/> Yes 是	<input type="checkbox"/> No 否	<input type="checkbox"/> Do not know 不知道
Explain the reason 請說明理由	利用風力資源、增加節能減碳功能。		
Do you think that this project will lead to negative effects? 請問您是否認為此專案將導致許多壞處?	<input type="checkbox"/> Yes 是	<input checked="" type="checkbox"/> No 否	<input type="checkbox"/> Do not know 不知道
Explain the reason 請說明理由			
Signature 簽名	莊明堯		



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### InfraVest Taiwan Wind Farms Bundled Project 2011

#### Local Stakeholder consultation - Sustainable Development Matrix

Gold Standard indicators of sustainable development. 黃金標準永續發展指標	Mitigation measure 對策	Chosen parameter and explanation 其選取及說明	Score given by stakeholders 評分 Positive impact: score "+" 正面影響: 評分 "+" No change in impact: score 0 無任何影響改變: 評分 "0" Negative impact: score "-" (in case negative impact is not fully mitigated. Score 0 in case impact is planned to be fully mitigated) 負面影響: 若對產生之影響有完整對策, 則評分 "0", 若對產生之影響並無完整對策, 則評分 "-"
Air quality 空氣品質			+
Water quality and quantity 水質及水量			+
Soil condition 土壤狀況			+
Other pollutants 其他污染			+
Biodiversity 生物多樣性			+
Quality of employment 就業品質			+
Livelihood of the poor 貧窮者的生計			+
Access to affordable and clean energy services 取得經濟能源之途徑			+
Human and institutional capacity 個人及機構能力			+
Quantitative employment and income generation 就業及收入機會			+
Balance of payments and investment 支出與投資之對比			+
Technology transfer and technological self-reliance 技術轉移及技術自立性			+

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InfraVest Tauwei Wind farm project, Taiwan

2011/01/03

11:00 am

Participant / 參與者:

Name / 姓名	Contact address / 聯絡地址	Contact number / 連絡電話
徐嘉文	桃園縣中壢市8號	4735384

請於會議結束後交回報到櫃檯

評估表

Did this meeting help you understand more about the project? 請問對您而言參加此次會議是否有幫助?	<input checked="" type="checkbox"/> Yes 是	<input type="checkbox"/> No 否	<input type="checkbox"/> Do not know 不知道
Explain the reason 請說明理由	可了解風力發電中各項風能之 層疊性		
Do you think that this project will lead to positive contribution? 請問您是否認為此專案將導致許多好處?	<input checked="" type="checkbox"/> Yes 是	<input type="checkbox"/> No 否	<input type="checkbox"/> Do not know 不知道
Explain the reason 請說明理由	可獲得黃金標準基金會之 資金支援		
Do you think that this project will lead to negative effects? 請問您是否認為此專案將導致許多壞處?	<input type="checkbox"/> Yes 是	<input type="checkbox"/> No 否	<input checked="" type="checkbox"/> Do not know 不知道
Explain the reason 請說明理由			
Signature 簽名			

## Gold Standard Local Stakeholder Consultation Report



### InfraVest Taiwan Wind Farms Bundled Project 2011

#### Local Stakeholder consultation - Sustainable Development Matrix

Gold Standard indicators of sustainable development. 黃金標準永續發展指標	Mitigation measure 對策	Chosen parameter and explanation 其因素及說明	Score given by stakeholders 評分
			Positive impact: score '+' 正面影響: 評分 '+' No change in impact: score 0 無任何影響改變: 評分 '0' Negative impact: score '-' in case negative impact is not fully mitigated. Score 0 in case impact is planned to be fully mitigated. 負面影響: 若對產生之影響有完善對策, 則評分 '0'。若對產生之影響並無完善對策, 則評分 '-'。
Air quality 空氣品質			0
Water quality and quantity 水質及水量			0
Soil condition 地質狀況			+
Other pollutants 其他污染			+
Biodiversity 生物多樣性			0
Quality of employment 就業品質			+
Livelihood of the poor 貧窮者的生計			0
Access to affordable and clean energy services 取得清潔能源之途徑			0
Human and institutional capacity 個人及機構能力			0
Quantitative employment and income generation 就業及收入機會			0
Balance of payments and investment 支出與投資之對比			+
Technology transfer and technological self-reliance 技術轉移及技術獨立性			+

## Gold Standard Local Stakeholder Consultation Report

**infraVest**

豐威、龍威、中威及桃威設置風力發電專案  
利益相關方研討會

### Local stakeholder consultation meeting

#### InfraVest Taiwan Wind Farms Bundled Project 2011

InfraVest Fongwei Wind farm project, Taiwan

InfraVest Longwei Wind farm project, Taiwan

InfraVest Chungwei Wind farm project, Taiwan

InfraVest Tauwei Wind farm project, Taiwan

2011/01/03

11:00 am

### Participant / 參與者:

Name / 姓名	Contact address / 聯絡地址	Contact number / 連絡電話
黃雅惠	新竹縣新豐鄉	0982270736

請於會議結束後交回報到櫃檯



**infraVest**

### InfraVest Taiwan Wind Farms Bundled Project 2011

#### Local Stakeholder consultation - Sustainable Development Matrix

Gold Standard indicators of sustainable development 黃金標準永續發展指標	Mitigation measure 對策	Choose parameter and explanation 其因素及說明	Score given by stakeholders 評分 Positive impact score "+" 正面影響: 評分 "+" No change in impact: score 0 無正面影響改變: 評分 "0" Negative impact: score "-" in case negative impact is not fully mitigated. Score 0 in case impact is planned to be fully mitigated. 負面影響: 當對產生之影響有未滿對策 則評分 "-". 若對產生之影響並能完全對策 則評分 "0".
Air quality 空氣品質			+
Water quality and quantity 水質及水量			+
Soil condition 地質狀況			+
Other pollutants 其他污染			+
Biodiversity 生物多樣性			0
Quality of employment 就業品質			0
Livelihood of the poor 貧民的生計			0
Access to affordable and clean energy services 取得經濟能源之機會			0
Human and institutional capacity 個人及機構能力			0
Quantifying employment and income generation 估算就業及收入機會			0
Balance of payments and investment 支出與投資之對比			0
Technology transfer and technological self-reliance 技術轉移及技術自立性			0

**infraVest**

### InfraVest Taiwan Wind Farms Bundled Project 2011

#### Local Stakeholder consultation - Evaluation Forms

### 評估表

Did this meeting help you understand more about the project? 請問對您而言參加此次會議是否有幫助?	<input checked="" type="checkbox"/> Yes 是	<input type="checkbox"/> No 否	<input type="checkbox"/> Do not know 不知道
Explain the reason 請說明理由	對環境影響好		
Do you think that this project will lead to positive contribution? 請問您是否認為此專案將導致許多好處?	<input checked="" type="checkbox"/> Yes 是	<input type="checkbox"/> No 否	<input type="checkbox"/> Do not know 不知道
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Explain the reason 請說明理由			
Signature 簽名			



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