



EIDPO026



DARWIN200

Submit by Monday 1 December 2008

DARWIN INITIATIVE: APPLICATION FOR GRANT FOR ROUND 16: POST PROJECT

Please read the Guidance Notes for both Main Round and Post Project applications before completing this form. Where no word limits are given, the size of the box is a guide to the amount of information required. Information to be extracted to the database is highlighted blue.

1. Name and address of organisation (NB: Notification of results will be by post)

Name: Royal Botanic Gardens, Kew	Address: Seed Conservation Department, Royal Botanic Gardens, Kew, Surrey, TW9 3AB
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2. Post-project details

Project Title (max 10 words): A Forest Restoration Research Unit Facilitating Biodiversity Recovery in Cambodia				
Proposed start and end dates: April 01, 2009 – March 31, 2011			Duration of project: 2 years	
Darwin funding requested	2009/10	2010/11	2011/12	Total
	£ 71,901	£ 44,542	£0	£ 116,443

3. Original Project Title and Defra reference number (eg 162/-/-- or 10-065)

Facilitating forest restoration for biodiversity recovery in Indochina (14-010)

4. Principals in project. Please provide a one page CV for each of these named individuals. Letters of support must also be provided from the host country partner(s) endorsing the partnership and value of the Post Project funding. You may copy and paste this table if you need to provide more than one overseas project partner.

Details	Project Leader	Other UK personnel (working more than 50% of their time on project)	Main project partner and co-ordinator in host country/ies
Surname	Hardwick		Sothea
Forename (s)	Kate		Nup
Post held	Restoration Co-ordinator		
Institution (if different to above)			Deputy chief of forestry extension office
Department	Seed Conservation Department		Forestry Administration
Telephone			
Email			

5. Define the purpose of the Post Project (extracted from logframe) and explain how it is linked to the objectives of the original Darwin project? (Max 200 words)

The aim of the original project (14-010) was to assist national forestry organizations in China, Lao and Cambodia to develop plans for forest restoration research units (FORRU's), and build capacity among the staff of those organizations to develop locally appropriate techniques to restore forest ecosystems for biodiversity conservation and environmental protection (including carbon storage).

The purpose of this proposal is to support the Forestry Administration of Cambodia to implement their national FORRU plan, developed under project 14-010. Post-project funding is requested to establish an experimental tree nursery in Siem Reap Province and train project staff to carry out the following activities: i) establish a phenology trail to study the reproductive ecology of forest tree species; ii) tree seed collection and storage; iii) develop effective tree propagation techniques and iv) establish field trial plots to compare field performance among potential framework tree species. Training manuals, written and translated into Khmer under project 14-010, will be used as texts for establishing the FORRU and training staff recruited to run it. The outcome will be an effective forest restoration research unit, which will generate original information to guide the restoration of Cambodia's unique forest ecosystems, whilst enhancing biodiversity recovery.

6. What have been the main outcomes (achievements) of the original project to date? (max 300 words)

The purpose of the original Darwin project was to improve the institutional capacity of the host country partners to undertake restoration of natural forest ecosystems for biodiversity recovery. The project achieved all of its outputs, which included: raised awareness of what can be achieved in a forest restoration programme for biodiversity; successfully trained officials from the host country institutes; publication of two manuals to support this work in each partner country; and implementation plans for establishment of national forest restoration research units (FORRUs) in each country. In addition, an extra workshop was included to allow all the host countries to meet early in the final year; the final project workshop was transformed into a major international conference, by attracting matching funds from IUCN, FAO and the British Embassy, Bangkok. This provided the country partners with access to a wide range of potential supportive agencies, detailed critiques of their national FORRU plans and technical advice.

7. What steps have been taken to ensure that project purpose and outputs of the original project will be achieved within the original project term? (max 200 words)

All outputs of original project have already been achieved, within the original project term and have been endorsed by the review of the final project report. The project purpose was for key stakeholders in China, Cambodia and Lao to implement their 'implementation plans' for model forest restoration research programmes in their respective countries. Since the completion of the project in March 2008, Implementation of FORRU-China is being planned under the joint Sino-UK bilateral forestry agreement, launched in Beijing last September, with collaboration between The UK Forestry Commission, Chinese State Forestry Administration and ICRAF-China. UK Forestry Commission officials will meet with ICRAF-China and FORRU-CMU in Yunan Province in April 2009 to finalize the proposal. In Lao, the partners are following up contacts and leads provided by the participants of the final Darwin workshop, to raise funding for a FORRU-Lao. In Cambodia, the present Post-project proposal represents the first stage of the FORRU-Cambodia programme.

8. Please list the UK/collaborative (where there are partners in addition to the applicant organisation) and host country partners that will be involved in the Post Project, and explain their roles and responsibilities in the project and in the original project (if applicable). Describe the extent of their involvement at all stages, including Post Project development. This section should illustrate the capacity of host country partners to be involved in the project. Please provide written evidence of partnerships. Please copy/delete boxes for more or fewer partnerships.

<p>Partner Name: Forestry Administration of Cambodia</p>	<p>Details (including roles and responsibilities and capacity to engage with the project):</p> <p>The Forestry Administration has committed itself to the conservation of biodiversity; the sustainable use of biological resources; and the fair and equitable sharing of benefits, resulting from the use of genetic resources.</p> <p>The establishment of a Forest Restoration Research Unit in Cambodia (FORRU-Cambodia) is an important part of our country's forest policy. In this regard, the promotion of restoration of degraded forest areas will include the use of indigenous forest tree species and will be based on results from pilot projects carried out by the proposed FORRU-Cambodia and modified for restoration of each of the different forest ecosystems present in the country.</p> <p>The Forestry Administration will undertake to establish the nursery and field plot facilities of the proposed FORRU at Siem Reap and be responsible for its day-to-day operation and administration. The FA will help to co-ordinate and collaborate with all other project stakeholders, particularly with academic researchers, who will access the site as a research and training facility. Likewise, the site will be used as a training facility that will provide services to NGOs and communities who will acquire skills in natural resource management, conservation and restoration.</p>
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<p>Partner Name: Forest Restoration Research Unit (FORRU-CMU), Biology Department, Science Faculty, Chiang Mai University, Thailand</p>	<p>Details (including roles and responsibilities and capacity to engage with the project):</p> <p>Under the original project, FORRU-CMU hosted 3 capacity-building workshops for Laos, Cambodia and China at Chiang Mai and contributed to the organization and content of workshops in each of the participating countries. FORRU-CMU staff co-authored the training manual "Research for Restoring Tropical Forest Ecosystems" and published the English and Thai editions. We worked closely with the Forestry Administration in Phnom Penh (FA) to assist principle staff there to develop the FORRU-Cambodia plan, including assessments of the proposed site of the Unit at Siem Reap.</p> <p>With Post-project funding, FORRU-CMU would assist the FA to implement a detailed technical training program for staff recruited to implement the research program of FORRU-Cambodia. FORRU-CMU will help train them to carry out routine research on forest survey methods, phenology, seed germination trials and seedling growth experiments, as well as field performance trials at the nursery/field station site in Siem Reap, to develop effective methods to grow, plant and take care of framework tree species, to maximize biodiversity recovery in restored forest sites.</p>
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Partner Name: Wildlife Landscapes	Details (including roles and responsibilities and capacity to engage with the project): <p>Dr Blakesley was the UK Project Leader for two previous Darwin projects (162/11/23 and 14-010) upon which this proposal for post project funding is based. He co-authored the two manuals which were published as part of the earlier projects, and which will be used in the work programme of this project. He has worked closely with the host countries and RBG Kew in the preparation of this proposal, and provides an established link between the host country partners and their new UK host, RBG Kew. During the course of the project, Dr Blakesley will act as co-project leader with Dr Hardwick of Kew, liaise with the host country partners and work in an advisory capacity on all aspects of the project programme, including the project steering committee, evaluation and the preparation of reports. He has set aside sufficient time to undertake these responsibilities in full.</p>
9a. Have you consulted stakeholders not already mentioned above? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, please give details: The FA has consulted with Forest Landscape Denmark (FID) about the progress activities of the FORRU-Cambodia, and discussed with them the urgent need to increase and strengthen knowledge and understanding of indigenous and framework tree species, and hence the proposal to establish a Forest Restoration Research Unit in Cambodia.	
9b. Do you intend to consult other stakeholders? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please give details:	
9c. Have you had any (other) contact with the government not already stated? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please give details:	
9d. Is liaison proposed with the CBD/CMS/CITES focal point in the host country? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, please give details: Liaison is planned with the CITES scientific authority focal point in Cambodia, who is: <p style="margin-left: 40px;">Mr. UNG SAM ATH, Deputy Director General of Forestry Administration.</p> <p style="margin-left: 40px;">Hand phone: +855 12 239 086, E-mail: ung_samath@yahoo.com</p>	

POST PROJECT DETAILS

- 10. Please provide a Concept Note (max 1,000 words). Describe the problem to be addressed, explain why it is a priority for the host country and how its resolution will improve host country ability to meet it's obligations under CBD/CMS/CITES. The proposed strategy and its intended outcomes should be described adequately, including justification for and brief details of the contribution of each UK and host country partner.**

Under the Main project (14-010) which ended in March 2008, a plan was drawn up to establish a Forest Restoration Research Unit for Cambodia, and a programme of capacity building amongst Cambodian Forestry Administration (FA) officials was successfully carried out. This Post-project proposal is to implement the FORRU-Cambodia plan and to begin research to develop effective techniques to restore Cambodia's unique forest ecosystems and their associated rich biodiversity.

This Post-project will enable the Forestry Administration of Cambodia to establish a Forest Restoration Research Unit in Siem Reap Province (FORRU-Cambodia), as planned during the original Darwin Project, based on the successful model developed by FORRU-CMU at Chiang Mai University, N. Thailand (see also project 162/11/023).

The Post-project will cover the construction of an experimental nursery on the boundary of Phnom Kulen National Park, Siem Reap Province (near the World Heritage Site of Angkor Wat) and staff recruitment and training to implement a research program to initiate testing of 50 potential framework tree species, capable of accelerating biodiversity recovery when planted into deforested sites.

A survey will be carried out to identify the indigenous forest tree species in the area, followed by a literature search to determine which of them may be suitable candidates for testing as framework tree species. Along trails leading into the national park from the proposed nursery, forest tree species will be labelled, identified and observed monthly for flower and fruit production (phenology study). Seeds will be collected from those trees and others in Angkor Wat Historical Park for germination trials for a minimum of 50 candidate framework tree species during the 2-year project period. In Y2, laboratory analysis will be carried out at Kew to screen up to 30 apparently recalcitrant species for desiccation tolerance (to maximise storage potential) and to tackle any germination problems in up to 10 orthodox species (to maximise germination). Once sufficient planting stock has been produced, a field trial plot system will be initiated in Y2 and monitored in subsequent years, to compare field performance among the candidate species being tested and assess their potential to attract seed dispersing wildlife and thus accelerate biodiversity recovery. Information from these experiments will be used to formulate a "framework species" approach to restoring of the unique forest ecosystems in the region and promote biodiversity recovery in restored sites.

To train FORRU-Cambodia staff, FORRU-CMU will join with the FA to run 4 joint training events focussing on 1) Identification of candidate framework tree species and tree nursery design; 2) Phenology data collection/analysis and seed collection; 3) Tree propagation experiments and 4) Design and establishment of a field trial plot system. Kew will contribute training in seed storage techniques to the second workshop, which will also be attended by FORRU-CMU staff, who will benefit from the technology transfer. FORRU-CMU will also work with Kew and Wildlife Landscapes to assist FORRU-Cambodia with data analysis, production of written outputs and assist the UK partners with project evaluation and quality control.

Outputs will include:-

- A list of indigenous forest tree species and voucher specimens.
- A List of candidate framework tree species for testing, from combining published and indigenous knowledge, during team meetings.
- A substantial dataset on the reproductive phenology of indigenous forest tree species (at least 50 species over 18 months).
- A well-functioning research tree nursery, with efficient staff, established by the local forestry administration, producing enough trees for planting experimental test plots as well as for government tree planting programs and for distribution to the local community.
- A dataset on the germination, dormancy and storage of indigenous forest tree species (at least 50) to support selection of candidate framework tree species.
- Voucher specimens verified by Kew staff for all seeds tested at Kew.
- Specimens, photographs and descriptive information from seedling growth trials to produce a seedling identification handbook in the future.
- A field trial plot system, planted in the second year, producing a dataset on initial survival and growth of planted trees.

Unfortunately, the UK applicant for the Main project, East Malling Research is no longer able to support this project, but RBG Kew informed Darwin that they would be pleased to act as the UK applicant for this Post-project proposal. The Project Leader for the previous two Darwin Main projects on forest restoration in Indochina has been Dr David Blakesley of Wildlife Landscapes. Dr Blakesley has agreed to continue to act as a joint Project Leader for the post project, working closely with Dr Kate Hardwick at Kew, which will provide continuity which will be important for the success of the Post-project.

11. Are you aware of any other individuals/organisations/Darwin Initiative projects carrying out similar work? Yes No

If yes, please give details explaining similarities and differences, and explaining how your work will be additional to this work and what attempts have/will been made to co-operate with and learn lessons from such work for mutual benefits:

Darwin is supporting the Harapan Rain Forest Project in Indonesia, which is about to implement a large-scale restoration initiative in Sumatra. FORRU-CMU was recently requested to assist with technical aspects of that project.

12. Please indicate which of the following biodiversity conventions your project will contribute to:

At least one must be selected.

- Only indicate the conventions that your project is directly contributing to.

- No additional significance will be ascribed for projects that report contributions to more than one convention

Convention on Biological Diversity (CBD) Yes No

CITES Yes No

Convention on Migratory Species (CMS) Yes No

What problem is this project addressing and how was it identified? (150 words)

The problem is lack of information about how to grow and plant the vast majority of Cambodia's indigenous forest tree species for restoration of forest ecosystems and their associated high biodiversity, as well as insufficient technical capacity within the country to implement effective forest restoration research programs. These problems were defined and evaluated during a workshop at FORRU-CMU in November 2005 and another workshop at the FA in Phnom Penh in October 2006. Plans for a FORRU-Cambodia were drafted and staff from the FA carried out a site evaluation with FORRU-CMU partners in August 2007. The final FORRU-Cambodia plan was presented at the international conference, marking the completion of project 14-010 in Chiang Mai in March 2008.

What will change as a result of this project? (150 words)

This project will provide original knowledge, generated by Cambodian staff that will help to formulate effective technical strategies for the restoration of Cambodia's forest ecosystems.

Why is the project important for the conservation of biodiversity? (150 words)

The entire focus of the Post-project is on the creation of wildlife habitats for biodiversity recovery, by planting a diverse range of indigenous forest tree species. Seed dispersal by birds and mammals is an integral part of the framework species concept i.e. biodiversity is being harnessed to generate more biodiversity.

How does this relate to one or more of the biodiversity conventions? (150 words)

The project will build capacity within the country's main forestry organization (The Forestry Administration) to generate original data, that will enable the organization to meet its obligations under the CBD; particularly to develop effective techniques to restore forest ecosystems (CBD Article 8(f) and Article 10(d)) and enhance biodiversity recovery. The project will foster international technical and scientific co-operation (Article 18) among Cambodia, Thailand and the UK., by providing research and training (Article 12) leading to technology transfer (Article 16) and information exchange (Article 17). This will enable the FA to adapt the framework species technique of forest restoration to local conditions for biodiversity recovery.

13. Explain how gains from the Post-project work will be distinct and additional to those of the existing project. Show where possible how these gains require limited resources and could not be achieved without the funding. (max 200 words)

The original project produced a comprehensive implementation plan for FORRU-Cambodia which was well-received by an international audience at the final main project workshop. The post project funding will be used to implement this plan. The original project also created the two key technical training manuals and translated them into Khmer ("How to Plant a Forest and Research" for "Restoring Tropical Forest Ecosystems"). These manuals will prove essential to the successful implementation of this Post-project, providing the basis of training and technical capacity building.

The gains from the Post-project work will be distinct and additional, because at the end of the main project, all the necessary planning and support had been put in place, with the exception of funding. The Post-project will allow the plans, training and support – funded through the main project – to be implemented through the activities of FORRU-Cambodia

14. What will be the long term benefits of the project in the host country or region and how will these

help to strengthen the impact and legacy of your original Darwin project? Have you identified any potential problems to achieving these benefits? (max 250 words)

This project is putting into effective use the planning, the capacity built and the publications produced under the original project (14-010).

15. State whether or not the project will reach a stable and sustainable end point. If the project is not discrete, but is part of a progressive approach, give details of the exit strategy and show how relevant activities will be continued to secure the benefits from the project. Where individuals receive advanced training, for example, what will happen should that individual leave? (Max 200 words)

This kind of work clearly cannot be fully completed in 2 years. The funding requested is to establish the facilities that will continue to be used to generate simple but essential information to facilitate forest ecosystem restoration, long after the funding period. Continuity when staff members leave the project is always a problem with long-term research programs. This will be dealt with in the usual way, by training up temporary staff and assistants who can move into permanent positions with minimum of additional training, when more senior members leave. This work does not generate a financial profit. Therefore, further grant support will be necessary, to continue after the end of the 2-year post project period. Project partners all have a very good track record of maintaining continuity of their work by successful grant applications to a wide variety of different funding agencies.

16. How will the results of the project be disseminated; how will the project be advertised as a Darwin project and in what ways will the Darwin name and logo be used? (max 200 words)

Data generated from the research will be disseminated by jointly authored scientific papers and at workshops and conferences both in Cambodia and abroad. Information on seed germination and storage requirements will be stored on Kew's Seed Information Database, which is easily accessible via Kew's website. Both the Cambodian FA and FORRU-CMU have been proud to display the Darwin Initiative logo on printed materials, T-shirts etc. relating to the original project and will continue to do so under the Post-project. The principles of the Darwin Initiative and the specific aims of this project will be explained through local newspaper coverage, popular talks, posters and project brochure. The Darwin Initiative logo will appear on signs at the project sites in Siem Reap, all educational material; workshop banners; technical reports etc. We will also ensure that Darwin is mentioned in any Radio or TV broadcasts about this project. Darwin Initiative funding will be fully acknowledged in all publications.

17. If your project includes training and development, please indicate how you will assess the training needs in relation to the overall purpose of the project. Who are the target groups? How will the training be delivered? What skills and knowledge do you expect the beneficiaries to obtain. How will you measure training effectiveness. (max 300 words)

You should address each of these points.

The project will include four training events targeted primarily at the staff members who will be recruited to run the FORRU-Cambodia nursery and field facilities, although FORRU-CMU staff will also benefit from the seed storage training provided by Kew in the second workshop. Training events will be conducted on-site jointly by FA and FORRU-CMU facilitators, with additional input from Kew as mentioned above. Training needs were already assessed during the workshops run under project 14-010. Beneficiaries will gain knowledge of all the day-to-day techniques necessary to run an effective forest restoration research program, including establishing the nursery and forest trail system, tree labelling and identification, germination and seed storage trials and seedling growth experiments. Data format design, data collection and data analysis and interpretation will be the main focus of the training. Effectiveness of the training will be evaluated in terms of the quality and quantity of research outputs generated and subsequently evaluated, as well as testing and questionnaires during the training periods. We will follow established evaluation procedures which were well received in the review of the Main project Final Report.

LOGICAL FRAMEWORK

18. Please enter the details of your project onto the matrix using the note at Annex 3 of the Guidance Note for Main applications.

Project summary	Measurable Indicators	Means of verification	Important Assumptions
Goal: Effective contribution in support of the implementation of the objectives of the Convention on Biological Diversity (CBD), the Convention on Trade in Endangered Species (CITES), and the Convention on the Conservation of Migratory Species (CMS), as well as related targets set by countries rich in biodiversity but constrained in resources.			
Sub-Goal: To assist the Forestry Administration of Cambodia to establish an effectively functioning forest restoration research unit with well-trained staff.	<ul style="list-style-type: none"> - Key stakeholders in Cambodia support FORRU-Cambodia - The nursery and plot system itself and the datasets generated from them. 	<ul style="list-style-type: none"> - Field station established - Annual and 6 month Darwin reports 	<ul style="list-style-type: none"> - High quality staff can be found for recruitment and training to run the research facility - Continued support of the project goals by FA - Policy of the Cambodian Government continues to support forest restoration
Purpose: To implement a research program to generate original knowledge and develop new skills to grow and test a wide range of indigenous forest tree species for their ability to accelerate biodiversity recovery in forest restoration plantings.	<ul style="list-style-type: none"> - Research programme implemented - Knowledge and skills gained 	<ul style="list-style-type: none"> - Workshop evaluations submitted to Darwin - Annual and 6 month Darwin reports - Publications 	<ul style="list-style-type: none"> - Biodiversity conservation remains a priority in reforestation policies in Cambodia. - Local demand for expertise and training - FORRU- Thailand continues to receive core funding for its other facilities - Exit strategy relying on other organisations to fund the project proposals is successful
Outputs (add or delete rows as necessary) 1. Project steering committee formed; FORRU-Cambodia field station constructed.	<ul style="list-style-type: none"> - Committee established - Field Station constructed 	<ul style="list-style-type: none"> - List of participants - Field station plans/description - Field station visited by FORRU-CMU staff 	<ul style="list-style-type: none"> - All partners remain in post, and motivated towards the project
2. FORRU-Cambodia field staff trained and implementing research program.	<ul style="list-style-type: none"> - Training sessions held - Research programme initiated 	<ul style="list-style-type: none"> - Report on training sessions and feedback questionnaires sent to Kew/Wildlife Landscapes and Darwin - Quality and quantity (e.g. no. species covered) of the field station work outputs. - Monthly reports of FORRU-Cambodia field staff. 	<ul style="list-style-type: none"> - Motivation and commitment of participants in Cambodia remains high, and is sustainable
3. Provisional list of indigenous forest tree species; candidate framework tree species identified from literature and indigenous knowledge.	<ul style="list-style-type: none"> - List compiled - Species verified by FORRU-CMU 	<ul style="list-style-type: none"> - Presentation of the list in first report to Darwin. 	<ul style="list-style-type: none"> - Local participants will provide sufficient information for the species to be identified

4. 18 months of tree phenology data collected and analysed to determine seed collection times.	- Set of data	- Presentation of the dataset in the Final Report to Darwin.	- Staff remain in post and carry out all activities as directed by the work programme
5. 50 tree species germinated in the nursery; storage and germination protocols for seedling growth experiments initiated; seedling descriptions prepared; recommendations for effective tree propagation.	- Data set covering germination, dormancy and seedling growth of 50 tree species.	-Presentation of the dataset to Darwin -Scientific paper published - Inclusion of the data on Kew's Seed Information Database – accessible via the internet.	- Nursery constructed and is not used for other purposes
6. First trial field plots established to compare performance among tested species.	- Description of plots and planting data.	- Photographs of the plots in reports to Darwin	- Field trial plots are secure and not used for other purposes - Cambodian Government continue to advocate planting native trees in degraded forest

Activities (details in workplan)

1.1	Steering committee formed and project management procedures defined
1.2	FORRU-Cambodia nursery constructed
1.3	FORRU-Cambodia staff recruited
2.1	Training of FORRU-Cambodia staff jointly by FA and FORRU-CMU
3.1	Survey of indigenous forest tree species
3.2	Selection of candidate framework tree species
4.1	Phenology data collection
4.2	Phenology data analysis
5.1	Nursery experiments germination and seedling growth
5.2	Prepare recommended tree species propagation protocols
6.1	Establish field trial plots
6.2	Maintenance of planted trees
6.3	End of first rainy season monitoring
6.4	Prepare initial recommendations for effective forest restoration practices

Monitoring activities: Kew and Wildlife Landscapes will be involved in monitoring all indicators, particularly those reported from outputs 3, 4 and 5. FORRU-CMU will also contribute to monitoring the outputs, and take special responsibility for outputs 1, 2 and 6.

19. Provide a project implementation timetable that shows the key milestones in project activities. Complete the following table as appropriate to describe the intended workplan for your Post Project.

Activity	Months	Year 1				Year 2				Year 3			
		1	2	3	4	1	2	3	4	1	2	3	4
1.1 Steering committee formed and project management procedures defined		X											
1.2 FORRU-Cambodia nursery constructed			X										
1.3 FORRU-Cambodia staff recruited		X											
2.1 Training of FORRU-Cambodia staff jointly by FA and FORRU-CMU		X		X		X		X					
2.2													
2.3													
3.1 Survey of indigenous forest tree species with FORRU-CMU taxonomist		X	X										
3.2 Selection of candidate framework tree species			X										
3.3													
3.4													
4.1 Phenology data collection			X	X	X	X	X	X	X				
4.2 Phenology data analysis						X			X				
4.3													
4.4													
4.5													
5.1 Nursery experiments germination and seedling growth			X	X	X	X	X	X	X				
5.2 Prepare recommended tree species propagation protocols									X				
5.3													
5.4													
6.1 Establish field trial plots						X							
6.2 Maintenance of planted trees						X	X	X	X				
6.3 End of first rainy season monitoring								X					
6.4 Prepare initial recommendations for effective forest restoration practices									X				
6.5													

20. Please indicate which of the following Standard Measures you are likely to report against. You will not necessarily plan to cover all these Standard Measures in your project.

Standard Measure No	Description	Tick if Relevant
1A	Number of people to submit thesis for PhD qualification (in host country)	
1B	Number of people to attain PhD qualification (in host country)	
2	Number of people to attain Masters qualification (MSc, MPhil etc)	
3	Number of people to attain other qualifications (ie. Not outputs 1 or 2 above)	
4A	Number of undergraduate students to receive training	
4B	Number of training weeks to be provided	
4C	Number of postgraduate students to receive training	
4D	Number of training weeks to be provided	
5	Number of people to receive at least one year of training (which does not fall into categories 1-4 above)	
6A	Number of people to receive other forms of education/training (which does not fall into categories 1-5 above)	X
6B	Number of training weeks to be provided	X
7	Number of (ie different types - not volume - of material produced) training materials to be produced for use by host country	
8	Number of weeks to be spent by UK project staff on project work in the host country	X
9	Number of species/habitat management plans (or action plans) to be produced for Governments, public authorities, or other implementing agencies in the host country	
10	Number of individual field guides/manuals to be produced to assist work related to species identification, classification and recording	
11A	Number of papers to be published in peer reviewed journals	X
11B	Number of papers to be submitted to peer reviewed journals	X
12A	Number of computer based databases to be established and handed over to host country	
12B	Number of computer based databases to be enhanced and handed over to host country	
13A	Number of species reference collections to be established and handed over to host country(ies)	X
13B	Number of species reference collections to be enhanced and handed over to host country(ies)	
14A	Number of conferences/seminars/ workshops to be organised to present/disseminate findings	
14B	Number of conferences/seminars/ workshops attended at which findings from Darwin project work will be presented/ disseminated.	
15A	Number of national press releases in host country(ies)	X
15B	Number of local press releases in host country(ies)	X
15C	Number of national press releases in UK	X
15D	Number of local press releases in UK	X
16A	Number of newsletters to be produced	
16B	Estimated circulation of each newsletter in the host country(ies)	
16C	Estimated circulation of each newsletter in the UK	
17A	Number of dissemination networks to be established	
17B	Number of dissemination networks to be enhanced/ extended	
18A	Number of national TV programmes/features in host country(ies)	X
18B	Number of national TV programmes/features in UK	X
18C	Number of local TV programmes/features in host country(ies)	X
18D	Number of local TV programmes/features in UK	X
19A	Number of national radio interviews/features in host county(ies)	X
19B	Number of national radio interviews/features in UK	X
19C	Number of local radio interviews/features in host country(ies)	X
19D	Number of local radio interviews/features in UK	X
20	Estimated value (£'s) of physical assets to be handed over to host country(ies)	
21	Number of permanent educational/training/research facilities or organisations to be established and then continued after Darwin funding has ceased	X
22	Number of permanent field plots to be established during the project and continued after Darwin funding has ceased	X
23	Value of resources raised from other sources (ie in addition to Darwin funding) for project work	X

PROJECT BASED MONITORING AND EVALUATION

21. Describe, referring to the Indicators in the Logical Framework, how the progress of the project will be monitored and evaluated, including towards delivery of its outputs and in terms of achieving its overall purpose. This should be during the lifetime of the project and at its conclusion. Please include information on how host country partners will be included in the monitoring and evaluation.

Output 1: a local committee will be established, which will be in close email contact with the two co-project leaders in the UK. FORRU-CMU staff will visit the newly constructed field station, and report back to the UK partners

Output 2: Evaluation of training sessions will be carried out by FORRU-CMU and FORRU-Cambodia, and copied to the UK partners; FORRU-CMU will evaluate progress on the research programme.

Output 3: A list of framework species will be provided by FORRU-Cambodia, with comments on species selected provided by FORRU-CMU, who will advise on any species which may not be appropriate. The list will be included in the First Annual Report to Darwin

Output 4: Data collected will be available for inspection by all partners, and included in the Final Darwin Report

Output 5: Further data will be available for inspection by all partners, and included in the Final Darwin Report; manuscript will be submitted for peer review

Output 6: Field trial plots established and visited by FORRU-CMU

Six monthly, annual and the final report will be co-authored by UK and host partners.

Achievement of the overall purpose will be evaluated by the establishment of the field station, field trial plots and the ongoing research programme

FUNDING AND BUDGET

Please complete the separate Excel spreadsheet which will provide the Budget information for this application. Some of the questions below refer to the information in this spreadsheet.

NB: Please state all costs by financial year (April to March). Use current prices – and include anticipated inflation, as appropriate up to 3% per annum. The Darwin Initiative will not be able to agree increases in grants to cover inflation on UK costs once grants are awarded.

22. How is your organisation currently funded? (max 100 words)

The Royal Botanic Gardens, Kew is a non-departmental public body with exempt charitable status. During the year 2007/08 the Board of Trustees received grant-in-aid of £25.2m from Defra. Total incoming resources were £56.0m which includes RBG Kew Enterprises and projects (see Annual Report and Accounts for the year ended 31 March 2008).

23. Provide details of all confirmed funding sources identified in the Budget that will be put towards the costs of the project, including any income from other public bodies, private sponsorship, donations, trusts, fees or trading activity. Please include any additional unconfirmed funding the project will attract to carry out addition work during or beyond the project lifetime. Indicate those funding sources which are confirmed.

Confirmed:

Matched funding over the two year project will be as follows: 17,500 from the Forestry Administration Cambodia; 16,361 from RBG Kew.

Unconfirmed: No

24. Please give details of any further funding resources (confirmed or unconfirmed) sought from the host country partner (s) or others for this project that are not already detailed in the Budget or Question 22. This will include donations in kind or un-costed support eg accommodation. (max 50 words per box)

Financial resources:
Funding in kind:

25. What was the amount of funding for the original Darwin Project?

	Total Project Costs £
Amount of original Darwin Initiative project funding	169,653
+ Funding/Income from other sources	31,800
= Total original project cost	201,453

FCO NOTIFICATION

Please check the box if you think that there are sensitivities that the Foreign and Commonwealth Office will need to be aware of should they want to publicise details of the Darwin Post-project and the resultant work in the UK or in the host country.

CERTIFICATION 2009/10

On behalf of the trustees of The Royal Botanic Gardens, Kew

(*delete as appropriate)

I apply for a grant of £71,901 in respect of expenditure to be incurred in the financial year ending 31 March 2010 on the activities specified in the above application.

I certify that, to the best of our knowledge and belief, the statements made by us in this application are true and the information provided is correct. I am aware that this application form will form the basis of the project schedule should this application be successful. (This form should be signed by an individual authorised by the lead UK institution to submit applications and sign contracts on their behalf.)

I enclose a copy of the organisation's most recent audited accounts and annual report, CVs for project principals and letters of support.

Name (block capitals)	KATE HARDWICK
Position in the organisation	RESTORATION CO-ORDINATOR

Signed		Date:	01/12/08
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Post Project Application - Checklist for submission

	Check
Have you provided actual start and end dates for your project?	✓
Have you provided your budget based on UK government financial years ie 1 April – 31 March?	✓
Have you checked that your budget is complete, correctly adds up and that you have included the correct final total on the top page of the application?	✓
Is the concept note within 1,000 words?	✓
Is the logframe no longer than 2 pages?	✓
Has your application been signed by a suitably authorised individual? (clear electronic or scanned signatures are acceptable)	✓
Have you included a 1 page CV for the Project Leader, any other UK staff working >50% on this project, and for a main individual in each overseas partner organisation?	✓
Have you included a letter of support from the main overseas partner organisations?	✓
Have you checked with the FCO in the project country/ies and have you included any evidence of this?	Website checked – no issues
Have you included a copy of your most recent annual report and accounts? An electronic link to a website is acceptable.	✓
Have you read the Guidance Notes for both Main projects and Post Projects ?	✓

Once you have answered Yes to the questions above, please submit the application, not later than midnight GMT on **Monday 1 December 2008** to Darwin-Applications@ltsi.co.uk using the first few words of the project title as the subject of your email. However, if you are e-mailing supporting documentation separately **please include in the subject line** an indication of the number of e-mails you are sending (eg whether the e-mail is 1 of 2, 2 of 3 etc). In addition, a hard copy of the application and any supporting documents not available electronically should be submitted to the Darwin Applications Management Unit, c/o ECTF, Pentlands Science Park, Bush Loan, Penicuik EH26 0PL postmarked **not later than Tuesday 2 December 2008**.

DATA PROTECTION ACT 1998: Applicants for grant funding must agree to any disclosure or exchange of information supplied on the application form (including the content of a declaration or undertaking) which the Department considers necessary for the administration, evaluation, monitoring and publicising of the Darwin Initiative. Application form data will also be held by contractors dealing with Darwin Initiative monitoring and evaluation. It is the responsibility of applicants to ensure that personal data can be supplied to the Department for the uses described in this paragraph. A completed application form will be taken as an agreement by the applicant and the grant/award recipient also to the following:- putting certain details (ie name, contact details and location of project work) on the Darwin Initiative and Defra websites(details relating to financial awards will not be put on the websites if requested in writing by the grant/award recipient); using personal data for the Darwin Initiative postal circulation list; and sending data to Foreign and Commonwealth Office posts outside the United Kingdom, including posts outside the European Economic Area. Confidential information relating to the project or its results and any personal data may be released on request, including under the Environmental Information Regulations, the code of Practice on Access to Government Information and the Freedom of Information Act 2000.