

**Contract for the services of
an Individual Contractor**

No.: IC/2014/06/03

This Contract is entered into on 20 June 2014 between the Cambodia REDD+ Secretariat (hereinafter referred to as "RTS") and **Mr. Chea Nareth** (hereinafter referred to as "the Individual Contractor") (**REDD+ Spatial Economic Analysis Tool for Cambodia**) whose address is: #12-13 street 552, Boeung Kak I, Tuol Kok, Phnom Penh, Cambodia.

WHEREAS RTS desires to engage the services of the Individual Contractor on the terms and conditions hereinafter set forth, and:

WHEREAS the Individual Contractor is ready and willing to accept this Contract with RTS on the said terms and conditions,

NOW, THEREFORE, the Parties hereby agree as follows:

1. Nature of services

The Individual Contractor shall perform the services as described in the Terms of Reference which form an integral part of this Contract and are attached hereto as Annex I in the following Duty Station(s): Phnom Penh with possibly travel to province.

2. Duration

This Individual Contract shall commence from the signing date (on 20 June 2014), and shall expire upon satisfactory completion of the services described in the Terms of Reference mentioned above, but not later than 30 November 14, unless sooner terminated in accordance with the terms of this Contract.

3. Consideration

As full consideration for the services performed by the Individual Contractor under the terms of this Contract, including, requirement in the fulfillment of the Terms of Reference in Annex I, RTS shall pay the Individual Contractor a total of **\$1,200 (One Thousand Two Hundred US Dollars only)** in accordance with the table set forth below. Payments shall be made following certification by Technical Specialist of RTS that the services related to each Deliverable, as described below, have been satisfactorily performed and the Deliverables have been achieved by or before the due dates specified below, if any.

DELIVERABLE	DUE DATE	AMOUNT IN [CURRENCY]
(30%) 1 st payment, upon completion of a satisfactory delivery of a workplan.	1 July 2014	\$360
(70%) Final payment, upon satisfactory collection of field data.	31 October 2014	\$840
Each payment will be paid after receipt and approval of certification for payment and performance evaluation for last payment duly completed and signed by Technical Specialist of RTS		\$1,200

If unforeseen travel outside the Duty Station not required by the Terms of Reference is requested by RTS, and upon prior written agreement, such travel shall be at RTS's expense and the Individual Contractor shall receive a per diem not to exceed RTS daily subsistence allowance rate in such other location(s).

Where two currencies are involved, the rate of exchange shall be the official rate applied by the United Nations on the day the RTS instructs its bank to effect the payment(s).

4. Rights and Obligations of the Individual Contractor

The rights and obligations of the Individual Contractor are strictly limited to the terms and conditions of this Contract, including its Annexes. Accordingly, the Individual Contractor shall not be entitled to any benefit, payment, subsidy, compensation or entitlement, except as expressly provided in this Contract. The Individual

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Contractor shall be solely liable for claims by third parties arising from the Individual Contractor's own acts or omissions in the course of performing this Contract, and under no circumstances shall RTS be held liable for such claims by third parties. The contractor should demonstrate that he/she is not employed elsewhere during the fulfillment of the contract.

5. Income Tax

RTS will not make any withholding from payment for the purpose of income tax. The contractor is solely responsible for all taxation.

6. Beneficiary

The Individual Contractor selects Ms. Koy Huong as beneficiary of any amounts owed under this Contract in the event of death of the Individual Contractor while performing services here under. This includes the payment of any service-incurred liability insurance attributable to the performance of the services for RTS.

For payments which are not output-based lump sum, indicate the maximum number of working days/hours/units, any out of pocket expense (travel, per diem...) and the corresponding fee/cost in the Deliverable (s) table.

Ms. Koy Huong
#12-13, Street 552, Sangkat Beung Kok I, Khan Tuol Kork
Tel: 077 53 93 88

IN WITNESS WHEREOF, the Parties hereto have executed this Contract.

By signing below, I, the Individual Contractor, acknowledge and agree that I have read and accept the terms of this Contract, which form an integral part of this Contract, and that I have read and understood, and agree to abide by the standards of conduct set forth in the Secretary-General's bulletins ST/SGB/2003/13 of 9 October 2003, entitled "Special Measures for Protection from Sexual Exploitation and Sexual Abuse" and ST/SGB/2002/9 of 18 June 2002, entitled "Regulations Governing the Status, Basic Rights and Duties of Officials other than Secretariat Officials, and Experts on Mission".

- The Individual Contractor has submitted a Statement of Good Health and confirmation of immunization.
- The Individual Contractor is not required to submit a Statement of Good Health and confirmation of immunization.

AUTHORIZING OFFICER: 

INDIVIDUAL CONTRACTOR:

Date: _____

Date: 13 June 2014

Signature: 



Dr. Chea Sam Ang, Ph.D.
National Programme Director

Mr. Chea Nareth



Cambodia REDD+ National Programme

(#40, PreahNorodom Blvd, Khan Daun Penh, Phnom Penh, Kingdom of Cambodia, 3rd Floor)

CONCEPT PAPER

Title of activity	Costs and benefits of REDD+
Outcome/output from Results Framework	Output 2.2: Evaluation of co-benefits
Anticipated timing	June-December 2014
Duration	6 months

Objective of activity (one sentence):

To present the values of forests under different management regimes, along with estimates of the costs of implementing REDD+ activities versus other land use options.

Justification (100 words or less):

An enhanced understanding of the costs and benefits at the national level from different activities relevant for REDD+ can help prioritize activities and also be a valuable input for discussions on benefit sharing. Following a National Planning Meeting in Phnom Penh (on 01 April 2014) funded by the UN-REDD Programme it was decided that a proposal for further economics work should be developed in order to support REDD+ planning in Cambodia. The following work is proposed in order to meet the objectives identified at the meeting.

Approach (400 words or less):

In order to meet the needs identified at the National Planning Meeting the following three activities are proposed.

Firstly, to produce an analysis of the costs and benefits of REDD+ implementation in Cambodia. This would include:

- Building on measures already in place in Cambodia a first step is to identify activities relevant for the objectives of REDD+.
- Identifying, classifying and estimating the costs and benefits of REDD+ implementation in Cambodia using the best (objective) data available from the literature;
- Develop a simple tool (spreadsheet model) for quantifying the costs per hectare (opportunity, implementation and transaction) and benefits (carbon payments and other tangible economic contributions) of implementing various REDD+ activities in Cambodia;
- Engage with stakeholder representatives at a workshop and follow-up discussions to test the assumptions (including figures) used in the spreadsheet model and refine these;
- Explore the impacts of carbon price on the net value of REDD+ activities and identify additional non-monetary benefits.
- Concisely report the findings.
- A national consultation meeting in Phnom Penh to presents and discuss the findings from the conducted work will be organized and communication material will be produced (coordinating with existing work on REDD+ communication material, and linking to the third activity, below).
- More detail is contained in annex 1.

Secondly, to develop a GIS spatial analysis tool of relevance for REDD+ planning in Cambodia. This

will be closely linked to the emerging NFMS, and will involve:

- Focussing on 2-3 provinces (khaet) which have been identified as possible candidate areas, develop an interactive GIS spatial mapping tool with costs and benefits layers to identify areas of greatest net gain for implementing REDD+ activities.
- Calibrate with some collection of local data in the relevant khaet.
- Present the tool in-country with a user training session.
- More detail is contained in the annex 2.

Thirdly, support will be provided to the RTS to raise awareness among staff of FA, GDANCP and FiA , key decision makers in line agencies and all members of the TF and CG about the relative values of forests under different management regimes and estimates of the costs of implementing REDD+ activities versus other land use options.

Key Outputs:

The outputs of the activity will be:

- Spreadsheet model of costs and benefits, and an accompanying report presenting the costs and benefits of REDD+ activities in Cambodia, including initial spatial analysis (where possible).
- GIS mapping decision-support tool for REDD+ planning (developed specifically for Cambodia)
- Increased awareness among staff of FA, GDANCP and FiA, key decision makers in line agencies and all members of the TF and CG about the relative values of forests under different management regimes and estimates of the costs of implementing REDD+ activities versus other land use options.




Background Documents, including ToR for any personnel to be recruited:

To be developed

Budget (add lines if necessary):

Item	Amount
Analysis of the costs and benefits of REDD+ implementation	\$0*
Workshop/follow-up and travel associated with first activity	\$4,200
GIS spatial analysis tool	\$86,800
Awareness raising materials (including translations)	\$2,500
TOTAL	\$93,500

* Note: most of this item (excluding travel costs and translation) can be provided under UNEP-WCMC's UN-REDD budget for supporting economic valuation in Cambodia this year. However, the workshop element and engagement of a national consultant for the workshop and data collection within country would be an additional expense – see next line. An alternative option is for UNEP-WCMC to cover all of these costs but reduce the coverage of the first activity to solely producing the spreadsheet but without an accompanying report.

	Signature	Name and Function	Date
Developed by:		Mocha Santoso-Tensen Programme Analyst	16/MAY 2014
Implemented by:		REDD+ Taskforce Secretariat	20-05-14
Approved by:		Cambodia UN-REDD Programme Director	20 May 14

Annex 1. Analysis of the costs and benefits

1. Background

Whether implementing REDD+ is in Cambodia's national interest is an issue to be evaluated objectively and without bias. On the positive side, effective programmes and measures to achieve REDD+ can not only directly generate income but can also deliver a broad range of social and environmental benefits, including job creation, improved livelihoods, land tenure security and clarification, ecosystem services and biodiversity conservation. Regulating ecosystem services are supported by forests, such as water cycles and soil conservation. Such services have the ability to support agricultural production, hydrological power generation and transport networks, all of which represent economic importance to local livelihoods and the national economy. Not accounting for the potential multiple benefits under REDD+ could result in advantageous options being bypassed. Moreover, demonstrating the economic importance of multiple benefits attainable under REDD+ could provide a more comprehensive perspective for future decision making on land use.

Nevertheless, reducing deforestation and forest degradation, and/or the enhancement of carbon stocks, also generates costs. These costs can be grouped into three general categories: (1) opportunity costs resulting from the forgone benefits that would have been generated for livelihoods and the national economy without REDD+, (2) implementation costs of undertaking REDD+ actions, and (3) transaction costs of establishing and operating a REDD+ program at national and sub-national levels.

The overall equation for the participation in REDD+ involves understanding of all of the cost and benefit elements when developing national strategies. Therefore, the primary focus of this study will be to allow an evaluation of the costs and benefits from different mitigation activities which contribute to achieving results under REDD+.

2. Objective

To provide the means to evaluate relevant REDD+ activities in relation to costs and benefits.

3. Expectation

An enhanced understanding of the costs and benefits from different activities relevant for REDD+. This can help evaluate whether REDD+ implementation will offer overall gains to Cambodia, help prioritize activities, and also be a valuable input for discussions on benefit sharing.

4. Activities

Identify relevant REDD+ activities for Cambodia

Building on measures already in place in Cambodia a first step is to identify activities relevant for the objectives of REDD+. This will involve liaison with the Forestry Administration, General Department of Administration for Nature Conservation and Protection (GDANCP) and Fisheries Administration. The intention will be to limit the number of activities examined to a small number of priority activities. National consultant to assist with in-country data collection.

Detailed evaluation of the costs and benefits of the identified REDD+ activities

Specific actions will be identified for each of the activities. Each of these activities will be evaluated in relation to costs and benefits of the actions (building on but not limited to

earlier work done on local costs and benefits from REDD+ implementation). The classification and estimation the costs and benefits in Cambodia will use the best (objective) data available from the literature work will build on exiting literature and interviews with experts. National consultant to assist with in-country data collection.

Development of cost:benefit spreadsheet

Develop a simple tool, i.e. a spreadsheet model, for quantifying the costs per hectare (opportunity, implementation and transaction) and benefits (carbon payments and other tangible economic contributions) of implementing various REDD+ activities (based on generic actions) in Cambodia. National consultant to engage with country representatives at a workshop and follow-up discussions to test the assumptions (including figures) used in the spreadsheet model and refine these. Explore the impacts of carbon price on the net value of REDD+ activities. Identify additional non-monetary benefits. Concisely report the findings (max 30 pages, including any maps) from the above analysis of costs and benefits of REDD+ activities.

Awareness raising through a meeting to present the findings

A meeting in Phnom Penh to presents and discuss the findings from the conducted work will be organized, including training on the use of the spreadsheet.

5. Outputs:

- 1 A report (electronic copy only), not exceeding 30 pages, including list of identified REDD+ relevant activities and the result of the evaluation of each activity.
- 2 Cost:benefit analysis (spreadsheet) tool.

6. Roles and Responsibilities

- UNEP-WCMC to produce and oversee these outputs.
- RTS to recruit national consultant.

7. Budget

Activity	Budget
• Recruitment costs	\$100
• International consultant (UNEP-WCMC)	\$0
• Travel	\$1,300
• National consultant (all costs included) 10 days	\$800
• Half day workshop meeting in Phnom Penh	\$1,000
• Dissemination of output in English and Khmer	\$500
• Half day presentation/training meeting in Phnom Penh	\$1,000
Total	\$4,700

8. Time frame

Activity	Time period
• Development of ToR and announcement of consultancy	June 2014
• Recruitment of the national consultant	June/July 2014
• Identify relevant REDD+ activities for Cambodia	July/August 2014
• Develop spreadsheet/hold workshop	September 2014
• A national consultation/training meeting to present the findings	October 2014

Annex 2. GIS mapping tool outline.

9. Background

A general aim in most countries is to improve overall economic prosperity and social well-being of the populace. For such improvements to be lasting they need to be ecologically sustainable, since well-functioning ecosystems underpin many basic processes upon which we rely, to various extents, for our survival. Therefore, most countries want to protect their forests, but they wish to do so in a way that provides financial returns, creates jobs, and brings social benefits. A case for the value of REDD+ still has to be made despite its potential to deliver on all of these objectives. REDD+ has a clear role in the evolution towards a Green Economy, and, as such, implementing countries will aim to maximize the financial gains to the economy whilst also securing additional bio-physically-derived socio-economic benefits (i.e. forest ecosystem services that underpin the livelihoods and well-being of both the local and national population). In order to facilitate this process a useful REDD+ decision-support tool would be one which helps prioritize which land areas might be included in REDD+ based on the resulting overall financial gain (and wider socio-economic gain).

10. Objective

To develop a REDD+ costs and benefits GIS spatial analysis tool for Cambodia and provide training on its use to inform decision-making.

11. Expectation

An enhanced understanding of how the costs and benefits from different activities relevant for REDD+ vary spatially. This can help prioritize areas where REDD+ activities can offer a net gain to Cambodia.

12. Activities

Set parameters for analysis

In collaboration with an in-country partner (Ministry) -

- Develop scenarios describing the context for REDD+ actions, making use of the country reference scenario for emissions
- Identify viable areas for different REDD+ actions (initially broadly by khaet, likely maximum of three)

Develop spatial costs and benefits

Produce a spatial cost layer (using data on opportunity costs as well as implementation and transaction costs) associated with each potential REDD+ action. Note that this work can build on the results of the spreadsheet analysis; however, a national consultant would be required to undertake some local cost data collection. Using carbon maps and carbon price scenarios, calculate a net carbon value layer. Account for overhead costs (non location-specific implementation and transaction costs).

Identify priority areas based on net economic gain

Undertake spatial economic analysis, identifying the most 'profitable' REDD+ land areas, where carbon value exceeds costs; allow the modification of assumptions about costs and carbon prices to repeat the analysis.

Training

An important aspect of the work should be the training of in-country partner staff in the use of the GIS tool.

Awareness raising through a national consultation meeting to present the findings

A national consultation meeting in Phnom Penh to presents and discuss the findings from the work will be organized and communication material will be produced in close coordination with existing work on REDD+ communication material.

13. Outputs:

- 1 An information brief not exceeding 10 pages plus annexes and references identifying data sources and process used for the GIS analysis.
- 2 REDD+ economic mapping (GIS) tool for Cambodia.
- 3 Training in the use of the GIS module.

14. Roles and Responsibilities

- RTS Develop ToR for the consultants and manage their recruitment.
- RTS Provide oversight of the work (UNEP-WCMC provide advisory role if not assigned the work).

15. Budget

Activity	Budget
• Recruitment costs	\$100
• International consultant (all costs included) 120 days	\$80,000
• Travel	\$3,000
• National consultant (all costs included) 15 days	\$1,200
• One day meeting in Phnom Penh	\$2,000
• Output in English and Khmer	\$500
• Miscellaneous	\$500
Total	\$87,300

16. Time frame

Activity	Time period
• Development of ToR and announcement of consultancy	June 2014
• Recruitment of the consultants	June/July 2014
• Set parameters and develop spatial costs and benefits	September 2014
• Undertake spatial analysis, refine GIS module	November 2014
• Training and meeting to present the findings	December 2014

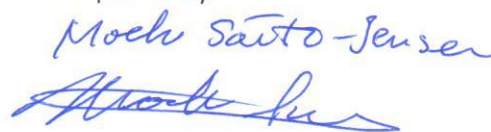
Approved By: 



National Programme Director

Date: 20...../.....May...../2014

Prepared By:



Date: 16...../.....May...../2014

Terms of Reference
REDD+ spatial economic analysis tool for Cambodia (research assistance)

Level	1 National Consultant (Individual Contract)
Practice Area:	Rural development, cost-benefit analysis, REDD+ (Forests and Climate Change)
Duration:	15 days
Duty Station:	Phnom Penh
Supervisor:	Technical Specialist, Programme Coordinator and REDD+ Taskforce Secretariat
Activity:	2.2

1. Project Description

The Cancun Agreements issued at the Conference of Parties (COP) 16 held in Mexico in 2010 provide strong support for policy approaches that deliver positive incentives for countries and their actors to engage in REDD+ (reducing emissions from deforestation and forest degradation in developing countries; and the role of conservation, sustainable management of forests and enhancement of forest carbon stocks in developing countries).

A general aim in most countries is to improve overall economic prosperity and social well-being of the populace. For such improvements to be lasting they need to be ecologically sustainable, since well-functioning ecosystems underpin many basic processes upon which we rely, to various extents, for our survival. Therefore, most countries want to protect their forests, but they wish to do so in a way that provides financial returns, creates jobs, and brings social benefits. A case for the value of REDD+ still has to be made despite its potential to deliver on all of these objectives, and this value is likely to be location specific, i.e. make economic sense in some locations rather than others.

REDD+ has a clear role in the evolution towards a Green Economy, and, as such, implementing countries will aim to maximize the financial gains to the economy whilst also securing additional bio-physically-derived socio-economic benefits (i.e. forest ecosystem services that underpin the livelihoods and well-being of both the local and national population). In order to facilitate this process a useful REDD+ decision-support tool is one that helps prioritize which land areas might be included in REDD+ based on the resulting overall financial gain (and wider socio-economic gain). A national consultant is required to work with UNEP-WCMC in order to deliver this tool.

2. Scope of Work

1. UNEP-WCMC will develop a REDD+ spatial (GIS) economic analysis tool for Cambodia and provide training on its use to inform decision-making. The national consultant is required to help collect relevant data in the field with the following specific activities.
 - a. Develop plan for data collection that minimises time spent travelling to locations. The data required is to be specified by UNEP-WCMC at this time, but will consist of economic data in relation to potential REDD+ costs.
 - b. Undertake collection of data in two identified khaet (most likely Koh Kong and Pursat). Data collection may involve visiting local markets and talking to businesses, local officials, land users, and others.

The consultant is expected to work in coordination with UNEP-WCMC as well as national partners.

3. Expected Outputs and Deliverables

No	Expected delivery/outputs	Estimated duration to complete	Target due days
1	Develop a work plan	0.5 days	1 July
2	Collect required relevant data in the field, and provide it in an agreed format (includes travel time)	14.5 days	Between 1 July and 31 October
	Total	15 days	

4. Duty Station

The duty station for this assignment is Phnom Penh, Cambodia, however, data collection will be undertaken in two khaet (most likely Koh Kong and Pursat). During the assignment the consultant is expected to be in Cambodia for all consultations.

5. Duration of the Work

The duration of the work is a total of 15 days from 20 June to 31 October, 2014.

6. Institutional Arrangement

The national consultant will report to the UN-REDD National Programme Director and on day-to-day basis work will be overseen by UNEP-WCMC and the REDD+ Taskforce Secretariat. The consultant will be accountable for the timely and quality output, and report as required to UNEP-WCMC and to the REDD+ Taskforce Secretariat on progress compared to the work plan.

7. Payment milestones

Consultant will be paid on a lump sum basis under the following installments

- (30 %) 1st payment, upon completion of a satisfactory delivery of a work plan (see No 1 in Table 1)
- (70 %) 2nd payment, upon satisfactory collection of field data (see No2 in Table 1)

8. Competence Requirements

The National Consultant shall meet the following criteria:

Education:	<ul style="list-style-type: none"> • A minimum of a Master's or equivalent degree in rural development, natural resource management, rural/environmental economics, or a related field;
Experience:	<ul style="list-style-type: none"> • A minimum of 2 years of relevant experience (e.g. rural development or related area) • Previous experience of undertaking collection of data in the field, such as completing survey forms or interviewing techniques • Previous experience of travel to rural areas in the west of Cambodia.
Competencies:	<ul style="list-style-type: none"> • Ability to use spreadsheets to organize data • Good interpersonal skills and ability to work well in a team as well as independently • Good analytical, writing and communication skills both in English and Khmer, including the ability to articulate ideas in a clear and concise manner

9. Criteria for Evaluation of Level of Technical Compliance of Individual Contractor

Evaluation criteria	Obtainable score
Education	30 points
Experiences	50 points
Competences and other qualifications	20 points
Total	100 points

10. Application

Applicants are requested to send CV, together with a letter of interest to REDD+ Taskforce Secretariat by either mail (N. 40, PreahNorodom Blvd. SangkatPhsarKandal 2, Khan Daun Penh, Cambodia) or e-mail (redd.secretariat@cambodia-redd.org).

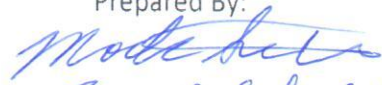
Approved By:



National Programme Director

Date: 20...../May...../2014

Prepared By:


For Ralph Palarey

Date: 20 May /...../2014