



**INITIATION PLAN TEMPLATE  
FOR A GEF PROJECT PREPARATION GRANT (PPG)**

**Project Title:** Maximizing carbon sink capacity and conserving biodiversity through sustainable conservation, restoration, and management of peat-swamp ecosystems

**Country:** Thailand

**Expected CP Outcome(s)/Indicator (s):**

Thailand is better prepared to address climate change and environmental security issues through the enhancement of national capacity and policy readiness.

**Initiation Plan Start Date:** August 2013

**Initiation Plan End Date:** July 2014

CPAP Programme Component: Environment & Energy

ATLAS Project Award: 00075449

ATLAS Project ID: 00087346

PIMS Project ID: 4951

Management Arrangement: DIM

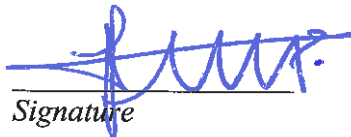
Total budget: **US\$ 340,000**

Allocated resources:

- GEF US\$ 120,000
- Co-financing US\$ 220,000

**AGREED BY UNDP RESIDENT REPRESENTATIVE**

*Mr. Luc Stevens, UNDP Thailand*

  
Signature

Date: 26/09/2013

## A. Brief Description of Initiation Plan

During the initiation plan period, a number of studies and stakeholder consultations will be undertaken with the view to further develop the approved project concept (see GEF PIF attached in Annex 1) into a fully formulated project document. The final output of the initiation plan will be a [UNDP-GEF project document](#) and [GEF CEO endorsement template](#) ready for submission to UNDP and GEF.

## B. Project Preparation Activities:

### A. Component A: Technical review

#### I. Baseline studies:

##### (a) The following technical studies should be conducted during the initiation plan:

- To corroborate and expand the barrier description outlined in the PIF. This should include: (i) Calculate the exact extent of peatlands (including raised peat-bogs) in Thailand and the percentage of these areas represented in the protected area estate of Thailand and assess and define the current state of peatlands in the agriculture and forestry sectors, including an analysis of the availability and completeness of peatland inventories – this will result in the development of an action plan (with activities, roles and responsibilities) for the implementation of the comprehensive inventory of peatlands in Thailand (relevant to PIF Output 3.3); (ii) Assess the strengths and weaknesses of legal and regulatory framework governing peatlands' management, programmes and plans with the view towards introducing a landscape approach to managing peatlands generating multiple benefits; (iii) Assess the extent to which existing laws and policies permit for accounting of full ecosystem values rendered by peatlands; (iv) Define the strategic entry points for the adoption of a landscape approach to peatland management: identification of new regulations and standards required; monitoring requirements and enforcement mechanisms, etc; (xiv) Analyse the roles, functions and responsibilities of different players (governmental, local communities, research, private sector, NGOs/CSOs) with respect to regulating, planning, implementing activities affecting sound management of peatlands in the Kuen Kreng area and elsewhere in Thailand. Studies on ways to increase the local income at the pre-selected sites through kra-jood grass, fishing, water buffalo grazing, and other sustainable livelihood activities. The studies will determine the feasibility of such projects, describe the sites, the current socio-economic situation and levels of income (define the baseline levels of income), propose income generating actions and mechanisms to engage the local communities. Partnership with Small Grants Program for the implementation of such activities will be agreed. Action plan and budget for such activities will be defined, agreed on cost-sharing with Small Grants Program. The outcome of this bullet will be presented as a separate Annex to the CEO Request.
- Calculation of carbon benefits resulting from the establishment and improved management of the peatland-based protected areas. The carbon emissions baseline data cited in PIF will be revisited. The baseline and project scenario for emission reductions will be defined, non-permanence, leakage, any social and economic safeguards will be presented.
- In addition to the Kuan Kreng landscape, the carbon monitoring system will also cover the Kunthulee Peat Swamp - in the adjacent province, where most of the areas are still primary peat-lands, to provide comparative data.

- (b) To fully justify and detail specific outputs proposed in the PIF, in particular: (i) Component 1 targets the expansion of the PA system with a 13 000 ha core area, surrounded by zoned land uses which together embrace 128 000 ha. Detailed description of the spatial land use planning approaches to be used during project implementation is needed, the land use classes, and the measures to be used (Such as the Management Effectiveness Tracking Tool) to set baselines and monitor progress in achieving the goals of the PA component; (ii) Component 3 addresses strategy and policy interventions. Specific legislative instruments to be developed and the

relation to existing legislation should be described in the final project submission. Further, the science and technological base and approaches to be used, and the institutions that will conduct the survey and develop the national inventory and strategy for wetlands to be undertaken should be clearly and in detail be described; (iii) Develop specifications and requirements of the comprehensive data-base on peatlands (Output 3.3); (iv) Define tools to be used for carbon monitoring, verification and reporting, including the Eddi Covariance method; (v) Develop recommendations for the inclusion in the National Strategy for Peat Swamps (Output 3.1); (vi) Define the capacity of the key national and local stakeholders to implement and sustain the proposed project activities, with recommendations for capacity building activities to be supported by the project.; (vii) Undertake a feasibility analysis of different options for the implementation of the project activities and project governance. This will include the selections and detailed description of the preferred implementation and governance arrangements for the project. A stakeholder involvement plan and a public participation plan will be developed and agreed; (viii) Develop an action plan for incorporation of gender aspects in the project, with quantifiable baseline and target indicators, as per GEF and UNDP guidance; (ix) Describe the capacity development and training needs to implement the Land Use Plan of Kuan Kreng sub-district; (x) Describe a plan of activities to improve the monitoring and enforcement of land management legislation.

(c) To collect the baseline data for indicators.

(d) To address specific technical issues and questions raised by the GEF Sec; Council members and STAP, including the following specific comments: *“Global environmental benefits include the listing of a number of vertebrate species, but no plants. STAP would suggest that the description of the biodiversity values of the systems to be included in the project be strengthened by reference to IUCN categories of both plant and animal species that are of global importance and which occur in the project area”* [STAP]; *“In component1 total area to be covered is 128,000 ha, which is larger than the total area peatlands in the country 64000-75000 ha). Please explain”* [GEFSEC]; *“Please include measures or leverage measures used in other related projects in the area to ensure that deterrents proposed and awareness raised through the project produces tangible results on the ground”* [GEFSEC] *“A more detailed tCO2e estimates in line with IPCC Tier 2 level is requested, especially given that the project proposes to do in-ground sample measurements. Separate estimations for protection of peatswamps, rewetting, prevention of fires and reforestation and comparison with appropriate baseline scenarios will be expected. These detailed estimations are deemed necessary to fill the knowledge gaps that are the main obstacles in decision making process in the country and international policy design regarding peatland”* [GEFSEC]; *“By CEO endorsement please identify specific CSOs and local organizations that could be included in the project and elaborate on the benefits they would receive”* [GEFSEC]; *“Please determine avenues of collaboration with the identified related projects and provide details on how the project will build on the carbon accounting systems and protocols that the GMS (GEF Greater Mekong Subregion Forests and Biodiversity Program) is working on”* [GEFSEC].

II. Undertake studies to address any opportunities/risks identified during an environmental and social screening of the project proposal

III. Identification of specific sites for intervention

Specifics of on-the-ground action on protected areas, buffer zones and restoration designed in detail (relevant for PIF outcomes 1.2, 1.3, 2.1 and 2.2). The focus under this component will be on selecting project pilot sites, and designing the implementation measures for the selected pilot sites. The preparatory activities under this component will provide a substantive basis for defining the detailed barrier-removal strategy and the specifics of the on-the-ground activities from Components I & II of the proposed FSP. The outputs will be: (i) sites for piloting landscape approach for peatlands conservation in the Kreng sub-district selected and described; (ii) sites for avoiding degradation of 4,300 ha forest peatlands selected and described in detail; (iii) sites for the restoration of 300 ha of native forest selected and described in detail; (iv) quantified carbon benefits, quantified other global environmental and local socio-economic benefits; (v) completed relevant tracking tools (BD, CC and SFM/REDD+), including respective baselines, indicators and

targets to measure project progress; (vi) established socio-economic baseline, indicators and targets with respect to alternative use of peatlands (kra-jood grass collection, fishing, other activities pending PPG feasibility study.).

The activities will include:

- Finalized selection 128,000 ha that will make up the Kuang Kreng Environmental Area to demonstrate the benefits and viability of the landscape approach to peatlands management under Component 1 of the PIF. Preparing maps, economic and ecological studies, and site information forms, for each of the following:
    - 13,000 ha High conservation peat-swamps (raised peat bogs) enlarging the presence of peatswamps in PA estate by 62%– existing PAs: 93,588 ha of the existing protected areas to improve management effectiveness identified and described. A list of actions to improve management effectiveness for particular sites included.
    - Approximately 13,000 ha of previously unprotected natural primary or secondary peat-swamp forest and non-forested peatland ecosystems (raised bogs) of high conservation and carbon value
    - The regime of the economic activities in areas surrounding these high conservation and carbon value sites will be revised to exclude such activities that might cause ecosystem degradation, such as large-scale unregulated drainage, oil palm plantations, and any expedient burning activities.
    - Community forests will be set up at approximately 5,000 ha of high-conservation value peat-swamp forests: within these forests, communities will be allowed and supported in collection of kra-jood grass, fishing, water buffalo grazing, and other sustainable livelihood activities provided they adhere to land use standards so that the hydrological regime in the peatlands, the vegetation cover and biodiversity remain intact or regenerate within their natural regeneration capacities
  - In addition to the hydrological restoration, approximately 300 ha of forest that has degraded in the past due to fire and storms, will be regenerated through planting of native species.
  - Design and implement hydrotechnical measures to prevent the encroachment of the draining effect and fires on primary and secondary natural peat-swamp forest at approximately 2,300 ha in Kreng sub-district and at least 2,000 hectares elsewhere within Kuan Kreng peatland landscape.
  - Identify areas designated primarily as conservation areas in the land use planning exercise and where local communities where the land use change will negatively affect the livelihoods of local communities. In these areas design, based on proper feasibility studies, community support activities be implemented in natural peat swamp or grassland without disrupting the hydrological regime or vegetation cover during project implementation. These could include kra-jood grass collection and fishing, among other activities.
- IV. Integration with development plans, policies, budgets and complementary projects: Further describe and cost the programmatic baseline projects as discussed in the PIF; analyse weaknesses and gaps in these, and identify opportunities for joint action/identification for co-financing. This will among others include:
- i. Describe in detail the national baseline programs in peatland management;
  - ii. Describe in detail the pressures from human activities on agricultural and forestry peatlands; quantify their impacts in terms of erosion, habitat fragmentation, GHG emissions, soil productivity loss;
  - iii. Assess the current funding of the protected area estate and the situation in regards to further expansion of the protected area estate in Thailand;
  - iv. Assess the land use situation in and around Kuan Kreng, especially the pressure for more oil palm production or small scale farming, and the Government's current engagement

with the communities in dialog on the establishment of an Environmental Conservation Area;

- v. Assess the use of land use planning as a mechanism to control negative effects on biodiversity by land use practices in Environmental Conservation Areas;
- vi. Assess the current support of the local communities and population towards the establishment of the ECA in Kuan Kreng;
- vii. Describe the occurrence of fire and the hydrotechnical scheme developed to raise the water table and the budget of this proposed project;
- viii. Describe the local sustainable development programs by local government units (Tambon Administrative Offices) including support to conservation camps for local youths, supporting establishment of community forests and awareness on natural conservation through local curriculum in schools, and other programs aimed at awareness raising.

V. Completion of GEF focal area tracking tools: BD SO<sub>2</sub>, Climate Change and Sustainable Forest Management Tracking Tool

VI. Stakeholder consultations during technical review: Mobilize and engage stakeholders during project design. Negotiate partnerships with on-going projects to align their activities and the project to build synergies. Document these consultations.

B. Component B: Institutional arrangements, monitoring and evaluation

The outputs of Component A will be used as technical input to Component B for the formulation of the UNDP-GEF project document.

- I. Finalization of project results framework: Further define the results framework with appropriate objective-level and outcome-level quantitative and qualitative SMART**Error! Bookmark not defined.** indicators, and end-of-project targets. Special attention will be made to include socio-economic and sex disaggregated indicators.
- II. Definition of monitoring and evaluation (M&E): A detailed M&E work plan will be developed, including clear identification of responsibilities and accountabilities, as well as an appropriate M&E budget. The plan will be based on the standard template provided in the UNDP-GEF project document template that reflects the mandatory requirements of the GEF M&E Policy.
- III. Define sustainability plan: The sustainability plan will outline the principles and guidelines for ensuring the long-term sustainability of project achievements. It will also outline an exit strategy, seeking the continuation of key activities/achievements without the need of long-term international financing.
- IV. Definition of management arrangements: The organisational structure governing the project will be decided. This will include identification of the project board.
- V. Stakeholder consultations during Component B: Involve key agencies in the development of the project strategy to ensure a strong national ownership. In close collaboration with key government representatives and other stakeholders ensure full participation in the development of the project results framework and ensure agreement on the project objectives and outcomes. Undertake consultations to secure agreement(s) on project implementation arrangements, including roles, responsibilities, and accountabilities of lead and partner agencies. Document these consultations.

C. Component C: Financial planning and co-financing investments:

- I. Prepare a detailed multi-year budget following the standard template provided in the UNDP-GEF project document template that reflects the mandatory requirements of the GEF M&E Policy.

- II. Explore multilateral and bilateral co-financing opportunities: Undertake series of consultations with partners to ensure a coherent and sustainable financing package for the project including post- GEF grant phase.
  - III. Ensure completion of required official endorsement letters: An official endorsement letter will be prepared by the GEF Operational Focal Point of the Government. A co-financing guarantee will be collected from participating government institutions, bilateral development partners, multilateral development partners and NGOs who wish to provide cash or in kind contributions to the project.
- D. Stakeholder consultations during Component C: The detailed multi-year budget need to be discussed with the relevant stakeholders individually as well as consensus reached in the validation workshop. The co-financing figures should be discussed with the stakeholders and commitment to co-financing formally conveyed through written form.
- E. Component D: Validation workshop  
A validation workshop will gather representatives from all relevant stakeholders to present, discuss and validate the final draft project document.
- F. Component E: Completion of final documentation
- I. Consolidation of all technical and consultation inputs into a clearly written UNDP Prodoc document with all relevant sections and annexes
  - II. Completion of a CEO endorsement request form
  - III. Translation of UNDP Prodoc document into host country language and any further documentation required for preparing implementation

Note: templates may be subject to change, the person responsible for this consolidation and drafting will be required to obtain guidance by the UNDP/GEF Regional Technical Advisor and UNDP CO on applicable formats and templates and ensure that his/her work is compliant with UNDP/GEF and UNDP CO requirements

**C. Project preparation activities work plan, timeframe, responsibilities and budget:**

PPG Activity	Timeframe (in months) <sup>1</sup>												Responsibility	Budget US\$
	Aug. '13	Sept. '13	Oct. '13	Nov. '13	Dec. '13	Jan. '14	Feb. '14	Mar. '14	Apr. '14	May. '14	June '14	Jul. '14		
Component A													International Consultant	45,000
Component B													International Consultant, CO	25,000
Component C													International Consultant, CO	15,000
Component D													National Consultant, CO	20,000
Component E													International Consultant, CO, RTA	15,000

<sup>1</sup> If an FSP project please add additional six months noting 18 month deadline between GEF approval of the PIF and GEF CEO endorsement of the project document

**D. Total Budget and Work Plan :**

<b>Award ID:</b>	<b>00075449</b>	<b>Project ID:</b>	<b>00087346</b>
<b>Award Title:</b>	<b>00087346</b>		
<b>Business Unit:</b>	<b>THA10</b>		
<b>Project Title:</b>	<b>Maximizing carbon sink capacity and conserving biodiversity and through sustainable conservation, restoration and management of peat-swamp ecosystems</b>		
<b>PIMS #:</b>	<b>4951</b>		
<b>Implementing Partner:</b>	<b>UNDP</b>		

<b>GEF Outcome/ Atlas Activity</b>	<b>Implementing Agent</b>	<b>Fund ID</b>	<b>Donor Name</b>	<b>Atlas Budgetary Acct Code</b>	<b>Atlas Budget Description</b>	<b>Total (USD)/ 2013</b>	<b>Total (USD)/ 2014</b>	<b>Total (USD)</b>	<b>Budget Note</b>
<b>Project preparation grant to finalize the UNDP-GEF project document for project “Maximizing carbon sink capacity and conserving biodiversity and through sustainable conservation, restoration and management of peat-swamp ecosystems”</b>	<b>UNDP</b>	<b>62000</b>	<b>GEF</b>	71200	International Consultant	<b>4,800</b>	<b>43,200</b>	<b>48,000</b>	<b>A</b>
				71300	Local Consultants	<b>3,200</b>	<b>28,800</b>	<b>32,000</b>	<b>B</b>
				71600	Travel	<b>2,000</b>	<b>18,000</b>	<b>20,000</b>	<b>C</b>
				75700	Trainings/Workshops/Conferences	<b>2,500</b>	<b>7,500</b>	<b>10,000</b>	<b>D</b>
				72500	Supplies	<b>500</b>	<b>4,500</b>	<b>5,000</b>	<b>E</b>
				74500	Miscellaneous	<b>500</b>	<b>4,500</b>	<b>5,000</b>	<b>F</b>
					<b>Total</b>	<b>13,500</b>	<b>106,500</b>	<b>120,000</b>	
<b>TOTAL</b>								<b>120,000</b>	

<b>Source</b>	<b>Total</b>
<b>GEF</b>	<b>120,000</b>



**Budget notes:**

<b>Budget Note</b>	<b>Cost Items</b>	<b>Total Estimated Person Weeks for Grant (PW)</b>	<b>Grant Amount (\$)</b>	<b>Note</b>
A	<b>International consultants – GEF Project Design Specialist and Carbon Benefits Advisor and Assistant in Carbon Monitoring Methodologies</b>	15	48,000	Please see Table 1 and Annex 2 for key responsibilities.
B	<b>Local consultants – Peatland ecosystem expert and PPG Team Leader; Policy and Land Use Expert; Peatlands Drainage and Restoration Technical Expert; GHG Expert</b>	64	32,000	Please see Table 1 and Annex 2 for key responsibilities.
C	<b>Travel</b>		20,000	This will include travel and per diems for international consultant as well as field missions to consultants to field sites for consultations and assessments
D	<b>Workshops</b>		10,000	This will include travel costs for participants to attend workshop in Bangkok as well as for any other experts to be invited
E	<b>Supplies</b>		5,000	This includes the costs of stationary and printing of all documents.
F	<b>Miscellaneous</b>		5,000	This includes the recruitment of a translator for field visits and meetings.
	<b>Total PPG Budget</b>		<b>120,000</b>	

Annex 1: GEF CEO PIF approval letter



Naoko Ishii PhD  
Chief Executive Officer and Chairperson

1818 H Street, NW  
Washington, DC 20433 USA  
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April 24, 2013

Ms. Adriana Dinu  
Deputy GEF Executive Coordinator  
United Nations Development Programme  
One United Nations Plaza  
New York, NY 10017

Dear Ms. Dinu:

I am pleased to inform you that the following submission is CEO cleared/approved and will be funded by the GEF Trust Fund:

Approval Stage:	Project Identification Form (PIF) Clearance for Work Program Inclusion and Project Preparation Grant (PPG) Approval
GEFSEC ID:	5330
Agency ID:	4951 (UNDP)
Agency(ies):	UNDP
Project Type:	Full Size Project
Country(ies):	Thailand
Name of Project:	Maximizing Carbon Sink Capacity and Conserving Biodiversity through Sustainable Conservation, Restoration, and Management of Peat-swamp Ecosystems
Indicative GEF Project Grant:	\$3,224,400
Indicative Agency Fee:	\$306,319
PPG Grant:	\$120,000
PPG Agency Fee:	\$11,400

\* Out of the above indicative Agency fee amount, Trustee will commit the first tranche (40%) of the Agency fee which is \$122,528 at the time of Council approval of the work program. The second tranche (60%) of the Agency fee which is \$183,791 will be committed at the time of CEO endorsement of the FSP.

This PIF clearance and PPG approval are subject to the comments made by the GEF Secretariat in the attached document. It is also based on the understanding that the project is in conformity with GEF focal areas strategies and in line with GEF policies and procedures.

The final project document should be submitted for endorsement no later than 18 months after Council approval of the work program.

Sincerely,

Naoko Ishii  
CEO and Chairperson

Attachment: GEFSEC Project Review Document

cc: Country Operational Focal Point, GEF Agencies, STAP, Trustee

**Annex 2: Summary of Consultants Financed by the Initiation Plan**

Type of Consultant	Position / Titles	\$/Person Week <sup>1</sup>	Estimated PWS <sup>2</sup>	Tasks to be Performed
International	GEF Project Design Specialist	3,000	8	<p>The GEF Project Design Specialist is responsible for coordinating the work of all other consultants, and will ensure the quality and timely preparation of all reports and documentation with a mission to Thailand and home-based work. In executing PPG Component 5 and supporting the other PPG Components, the consultant will carry out the following tasks:</p> <ul style="list-style-type: none"> <li>• Provide an overall orientation to the PPG team in relation to GEF requirements for project planning and monitoring.</li> <li>• Provide methodological guidance for data collection related to project planning and monitoring with particular attention given to the description and quantification of the baseline investments.</li> <li>• Compile and share with the national PPG team and stakeholders the international best experience in policy development, legal and regulatory frameworks and enforcement systems for effective application of landscape approach to peatlands management, including analysis of any relevant GEF projects,</li> <li>• Based on the inputs from national experts and in close cooperation with the key national stakeholders compiles final baseline/situational analysis for the FSP. This will include a precise definition of baseline projects, activities, budgets, goals and co-financial links to GEF outcomes; definition of GEF incremental value per outcome and output; presentation of results of the incremental cost-analysis in matrices.</li> <li>• Based on the inputs from national experts and the best international practice, prepares a quantified assessment of global environmental benefits for climate change mitigation, biodiversity conservation and sustainable forest management.</li> <li>• Analyses the socio-economic benefits of the proposed interventions at national and local levels.</li> <li>• Based on the international experience, assists in reconfirming/specifying the project strategy, finalizing project sections on: (a) An assessment of the social, economic and financial sustainability of proposed project activities; (b) Assessment of alternatives to the project strategy and establishing the cost effectiveness of the preferred strategy and suite of activities; (c) A replication strategy for project activities; (d) Assessment of the risks to</li> </ul>

Type of Consultant	Position / Titles	\$/Person Week <sup>1</sup>	Estimated PWS <sup>2</sup>	Tasks to be Performed
				<p>the proposed project activities and identifying measure to mitigate these risks; (e) incremental cost analysis.</p> <ul style="list-style-type: none"> <li>• Based on national experts inputs, develops project monitoring and evaluation system for the FSP including the completed tracking tools for BD, CC and SFM/REDD+, including a set of indicators, baselines and targets.</li> <li>• Elaborates a Logical Framework of the project.</li> <li>• Prepares M&amp;E plan and budget.</li> <li>• Based on national experts inputs, drafts ToRs for the key consultants/contracts to be employed by the project.</li> <li>• Based on national experts input, elaborates Stakeholder Involvement and Public Participation plans.</li> <li>• Develop action plan for incorporation of gender aspects in the project, with quantifiable baseline and target indicators, as per GEF and UNDP guidance.</li> <li>• Define recommended project monitoring and evaluation indicators.</li> <li>• Performing final reviews of the required project documentation.</li> <li>• Conduct environmental and social safeguard screening following the UNDP procedure, producing the checklist and summary report.</li> </ul> <p>The key deliverable of the <b>GEF Project Design Specialist</b> will be a final comprehensive project document in both GEF and UNDP formats and the CEO Endorsement Request in a style accessible to senior policy makers. The document should make full use of figures, diagrams and boxes to bring out key points and summarize materials emerging from the PPG phase.</p> <p>Preparation of this key deliverable will include quality control and final formulation of the following indicative sections of a UNDP/GEF compliant project document:</p> <ul style="list-style-type: none"> <li>• Situation Analysis (including proposal sections on context, threats/root causes/barriers analysis, institutional/sectoral/policy context, stakeholder analysis, business-as-usual-analysis, gender issue analysis, indigenous groups, business-with-GEF-analysis)</li> <li>• Project Strategy (including proposal sections on project rationale and policy conformity, project goal, objective, outcomes, outputs and activities, project indicators, risks and assumptions, country ownership, sustainability and replicability)</li> <li>• Institutional and Management Arrangements</li> <li>• Monitoring and Evaluation Plan and Budget</li> </ul>

Type of Consultant	Position / Titles	\$/Person Week <sup>1</sup>	Estimated PWS <sup>2</sup>	Tasks to be Performed
				<ul style="list-style-type: none"> <li>• Incremental Cost Analysis (including systems boundary, Summary of costs, additional cost matrix)</li> <li>• Strategic Results Framework (formerly Logical Framework Analysis)</li> <li>• Total Budget and First Annual Work plan</li> <li>• Project Organigram</li> <li>• Project timetable</li> <li>• Terms of Reference for Project staff and main consultants and sub-contracts</li> <li>• Stakeholder involvement Plan with a focus on indigenous groups</li> <li>• Letters of Endorsement and co-financing</li> <li>• Annexes and additional information annexes including UNDP Environmental and Social Screening.</li> </ul> <p>These sections are indicative; As templates may be subject to change, the GEF Project Design Specialist will be required to obtain guidance by the UNDP/GEF Regional Technical Advisor and UNDP CO on applicable formats and templates and ensure that his/her work is compliant with UNDP/GEF and UNDP CO requirements.</p> <p><b>Qualifications:</b></p> <ul style="list-style-type: none"> <li>• Experience in successfully preparing UNDP and GEF project documents, essential;</li> <li>• Work experience in any other South East Asia country preferred; and</li> <li>• Relevant advanced degree in natural sciences with experience in climate change mitigation and Biodiversity.</li> </ul>
International	Carbon Benefits Advisor and Assistant in Carbon Monitoring Methodologies	3,000	8	<p>The Carbon Benefits Advisor and Assistant in Carbon Monitoring Methodologies will work with the national GHG expert and provide support and guidance to the national team in the establishment of a carbon benefit measurement and monitoring system, including on site measurements. Specifically, the Carbon Benefits Advisor and Assistant in Carbon Monitoring Methodologies will be responsible for the following tasks:</p> <ul style="list-style-type: none"> <li>• Assist in the development of the site based measurement points</li> <li>• Assist in the selection and description of measurements and extrapolation methodologies for GHGs relevant to the project.</li> <li>• Assist in calculation of the baseline and project emission scenarios, in particular: (i) the non-depletion of the carbon pool contained in the peatlands as a result of the prevention of</li> </ul>

Type of Consultant	Position / Titles	\$/Person Week <sup>1</sup>	Estimated PWS <sup>2</sup>	Tasks to be Performed
				<p>degradation of 4,300 ha of peatland under Component 2; (ii) the sequestration dividend from planting of 300 ha of native forest species [Detailed tCO<sub>2</sub>e estimates in line with IPCC Tier 2 level will be presented including separate estimations for protection of peat swamps, rewetting, prevention of fires and reforestation and comparison with appropriate baseline scenarios. Detailed information needs to be provided on how the baseline oxidation rates are estimated based on the STAP comment].</p> <ul style="list-style-type: none"> <li>Propose and describe in detail the peat-swamp carbon monitoring system proposed in the PIF and address the comments on this system made by the STAP.</li> </ul>
Local	Peatland ecosystem expert and PPG team leader	500	22	<p>The team leader will be responsible for planning and coordination of the work of national experts and co-funding partners of the project; evaluation and analysis of the current conditions and threats to peatlands; feasibility studies on protected areas. Specifically, the Peatland Ecosystem expert will be responsible for the following tasks:</p> <ul style="list-style-type: none"> <li>Analyze the present state of natural peatlands in Thailand (the area, the types of wetlands, biodiversity).</li> <li>Assess the sufficiency of the PA system to preserve peatlands.</li> <li>Identify / confirm the threats and causes of threats to wetland ecosystems and develop proposals to address them.</li> <li>Supervise the development of specifications and first drafts of biodiversity and soil productivity standards which must be taken into account during the design of the reconstruction of drainage facilities and be responsible for the final selection of sites (5 blocks of natural peat-swamp forest in Krong district and 4 blocks in neighbouring sub-districts).</li> <li>Supervise the development of specifications and selection of sites for reforestation of areas damaged by storms and fires in Krong district.</li> <li>Analyse the key project stakeholders, including NGOs/CSOs; assess their capacity and identify capacity building needs;</li> <li>Define project risks and risk mitigation strategies;</li> <li>Together with the Policy and Land Use Expert, define the key criteria of the feasibility study and designation documentation that will be needed for the project implementation to formally designate through Government the Kuan Krong Environmental Conservation Area;</li> <li>Together with the Policy and Land Use Expert,</li> </ul>

Type of Consultant	Position / Titles	\$/Person Week <sup>1</sup>	Estimated PWS <sup>2</sup>	Tasks to be Performed
				<p>draft rough outline of key sections to be included in a Participatory Management Plan for the proposed Kuan Kreng Environmental Conservation Area;</p> <ul style="list-style-type: none"> <li>• Together with the Policy and Land Use Expert, suggest ways for the integration of the Kuan Kreng Environmental Conservation Area Management Plan into the Kuan Kreng sub-district land use plans in order to ensure implementation of the Management Plan and broad acceptance in higher Government offices;</li> <li>• Explore the opportunities and ways for cooperation with other relevant initiatives;</li> <li>• Lead a study dedicated to increase local income at the pre-selected sites through kra-jood grass collection, fishing and other environmentally-friendly activities identified in this feasibility assessment. The study should cover, among other issues, (i) the identification of specific sites where such income generation projects are feasible, (ii) the description of the area, and the current situation and levels of income (the baseline levels of income), (iii) suggestion of concrete actions and mechanisms to engage the local communities, jointly with Small Grants Program, (iv) designing action plan and budget for such activities.</li> <li>• Finalize the selection of pilot sites in the Kreng sub-district and neighbouring sub-districts and ensures sufficient data availability for:</li> <li>• Finalize selection 128,000 ha that will make up the Kuang Kreng Environmental Area to demonstrate the benefits and viability of the landscape approach to peatlands management under Component 1 of the PIF. Preparing maps, economic and ecological studies, and site information forms, for each of the following: <ul style="list-style-type: none"> <li>- 13,000 ha High conservation peat-swamps (raised peat bogs) enlarging the presence of peatswamps in PA estate by 62%– existing PAs: 93,588 ha of the existing protected areas to improve management effectiveness identified and described. A list of actions to improve management effectiveness for particular sited included.</li> <li>- Approximately 13,000 ha of previously unprotected natural primary or secondary peat-swamp forest and non-forested peatland ecosystems (raised bogs) of high conservation and carbon value</li> <li>- The regime of the economic activities in areas surrounding these high conservation and carbon value sites will be revised to</li> </ul> </li> </ul>

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				<p>exclude such activities that might cause ecosystem degradation, such as large-scale unregulated drainage, oil palm plantations, and any expedient burning activities.</p> <ul style="list-style-type: none"> <li>- Community forests will be set up at approximately 5,000 ha of high-conservation value peat-swamp forests: within these forests, communities will be allowed and supported in collection of kra-jood grass, fishing, water buffalo grazing, and other sustainable livelihood activities provided they adhere to land use standards so that the hydrological regime in the peatlands, the vegetation cover and biodiversity remain intact or regenerate within their natural regeneration capacities</li> <li>- drainage systems to implement recommendations on improvements of conditions for the preservation of the environment and biodiversity during the process of reconstruction (2,300 ha in Kren sub-district and at least 2,000 hectares elsewhere within the Kuan Kreng peatland landscape);</li> <li>- In addition to the hydrological restoration, approximately 300 ha of forest that has degraded in the past due to fire and storms, will be regenerated through planting of native species.</li> </ul>
Local	Policy and land use expert	500	16	<p>The expert will:</p> <ul style="list-style-type: none"> <li>• Collect and analyse data necessary to develop the “National Strategy of Peat Swamps”:</li> <li>• Analyse the current legislation on protection and use of peatlands in the Republic of Thailand</li> <li>• Perform assessment of the current state and use of peatlands in Thailand;</li> <li>• Develop the scope and work plans of the project “National Strategy of Peat Swamps”, prepares proposals and tasks for the organizations which will participate in the development of the National Strategy of Peat Swamps.</li> <li>• In cooperation with the other national experts, conduct an economic feasibility analysis for introducing and applying landscape approach in managing peatlands;</li> <li>• In cooperation with the GHG Expert, develop recommendations for the development of specific criteria and methodologies for assessment of peat-swamp values, functions and services and</li> </ul>



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				<p>draft the TORs for consultants to develop the final criteria and methodologies during project implementation;</p> <ul style="list-style-type: none"> <li>• Draft the specifications of a comprehensive inventory of peat-swamps to be completed during project implementation, based on the specific methodologies and criteria developed for assessment of peat-swamp values, functions and services, and advise on its realisation during project implementation (roles and responsibilities of different organisations and use of consultants);</li> <li>• Draft basic land-use requirements (standards) for the mitigation or encroachment of oil-palm plantations and fires on natural peat-swamps and advise on its elaboration during project implementation and recommend steps to strengthen enforcement mechanisms that can be intergated into the development of the“National Strategy of Peat Swamps”;</li> <li>• Together with the Peatland Ecosystem Expert and PPG Team Leader, define the key criteria of the feasibility study and designation documentation that will be needed for the project implementation to formally designate through Government the Kuan Kreng Environmental Conservation Area;</li> <li>• Together with the Peatland Ecosystem Expert and PPG Team Leader, draft rough outline of key sections to be included in a Participatory Management Plan for the proposed Kuan Kreng Environmental Conservation Area;</li> <li>• Together with the Peatland Ecosystem Expert and PPG Team Leader, suggest ways for the integration of the Kuan Kreng Environmental Conservation Area Management Plan into the Kuan Kreng sub-district land use plans in order to ensure implementation of the Management Plan and broad acceptance in higher Government offices</li> </ul>
Local	Peatlands drainage and restoration technical expert	500	10	<p>The expert will:</p> <ul style="list-style-type: none"> <li>• Collect data and perform assessment of the current state and use of reclaimed peatlands. Analyses the baseline programs for peatland management.</li> <li>• Collect information and analyse legislative documents regulating the reconstruction of reclamation systems and develops recommendations on the scope of works on further enhancing the nature-conservative measures during the reconstruction of reclamation systems.</li> </ul>

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				<ul style="list-style-type: none"> <li>• Analyse the current policy framework for peatlands management; Identifies the strategic entry points for adopting landscape approach to peatland management: -new regulations and standards required, monitoring requirements and enforcement mechanisms.</li> <li>• Analyse the implementation of the national baseline programs in peatland management. Analyses the current situation with inventory of reclamation systems, and their reconstruction.</li> <li>• In cooperation with the other members of the national team, conducts analysis of the pressures from human activities on peatlands; and quantification of their impacts in terms of erosion, habitat fragmentation, GHG emission, soil productivity loss.</li> <li>• In cooperation with the Peatland ecosystem expert, conducts specific study on the state of forest peatlands, threats, inventory requirements.</li> <li>• Elaborate specifications and requirements of the comprehensive data-base on peatlands.</li> <li>• Facilitate selection, description and endorsement of hydrotechnical and restoration systems which will be used as a basis for developing projects to introduce the principles of landscape and biodiversity conservation during project implementation (4,300 ha of peat-swamp forests hydrotechnical facilities constructed and 300 ha of storm and fire damaged areas are retored).</li> </ul>
Local	GHG expert	500	16	<p>The expert will:</p> <ul style="list-style-type: none"> <li>• Analyse the results achieved on the development of methodologies for assessment, monitoring and verification of GHGs to restore depleted peatlands.</li> <li>• In cooperation with the Peatland ecosystem expert, identify biotopes to be included into the Peat swamp carbon flux monitoring program. Identify new biotopes, which will need additional field and instrumental researches on GHGs;</li> <li>• Develop the scope and workplans on the methodology to develop a peat swamp monitoring system set up based on Tier-1 methodology of 2013 IPCC Wetlands Supplement, complimented by 3-4 sample plots for cameral/subsidence measurements to obtain more precise site-specific data.</li> <li>• In cooperation with the other members of the national team, conduct analysis of the pressures from human activities on peatlands focusing on quantification of impacts in terms of GHG</li> </ul>

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				emission. <ul style="list-style-type: none"> <li>• Calculate carbon benefits resulting from the establishment and improved management of the peatland-based protected area.</li> <li>• Conduct review of the carbon emissions baseline data cited in the PIF. Defines the baseline and project scenario, with special look at non-permanence, leakage, any social and economic safeguards issues.</li> <li>• Conduct analysis of available tools for carbon monitoring, verification and reporting, including the Eddi Covariance method. Suggests most appropriate ones to be used for carbon monitoring, verification and reporting within the project.</li> </ul>

<sup>1</sup> Dollar amount per person week.

<sup>2</sup> Person weeks needed to carry out the task.

Note: Split between Local and International consultants is indicative and subject to procurement guidelines or agencies and governments. Consultants will be hired in line with UNDP rates and procedures. Also, in accordance with both UNDP and GEF policies, no GEF project resources will be used to pay any government, agency, or NGO personnel.