



PROJECT PREPARATION GRANT (PPG)
PROJECT TYPE: Full-sized Project
TYPE OF TRUST FUND: GEF TRUST FUND

Submission date: February 1, 2012
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GEF PROJECT ID: TBD
GEF AGENCY PROJECT ID: PIMS 4597
COUNTRY (IES): CHINA
PROJECT TITLE: CBPF-MSL - Strengthening the management effectiveness of the wetland protected area system in Hainan for conservation of globally significant biodiversity
GEF AGENCY (IES): UNDP
GEF FOCAL AREA(s): Biodiversity

A. PROJECT PREPARATION TIMEFRAME

Start date of PPG	04/01/2012
Completion date of PPG	03/01/2013

B. PROPOSED PROJECT PREPARATION ACTIVITIES (\$)

The PPG will co-finance the following preparatory activities as listed below. The PPG activities for the projects under the CBPF-MSL – Wetland PA System Strengthening for Biodiversity Conservation will be closely coordinated, with a national protected area planning and management specialist assuming the lead national consultant role, working on the development of all the projects and ensuring technical coherence between the projects. Where possible and desirable, consultancies will be thematically integrated between the projects, in order to achieve synergies between the PPGs, avoid duplication and ensure effective control over technical standards of the preparatory work. In this PPG, the ecosystem valuation specialist is expected to contribute to all the PPG work under the Programme. It is also envisaged that the PA Planning and Management Specialist, the Legal and Institutional Capacity Development Specialist, the Socioeconomics and Community Co-Management Specialist, the Protected Area Information and Data Management Specialist, and the Biodiversity Conservation Specialist will be co-financed between the PPGs to conduct necessary work for more than one project under the Programme. The activities will be supported by partners and will include providing a response to advice given by the STAP reviewers, GEF SEC and Council.

Activity 1: Systemic and institutional capacity for managing the PA system

Funding support from the PPG will be used to conduct a rapid review of the existing policy and operational framework for tourism and other production sectors which have impact on PA management. It will also review official guidelines pertaining to PA management in Hainan Province. Furthermore, it will assess the existing capacity of the Hainan Forestry Department and its subsidiary bureaus, related to planning, establishment and management of a system of protected areas to protect globally significant wetlands, as well as to protect their biodiversity and vital catchments, and to ensure better mainstreaming of wetlands conservation into the broader development landscape and planning processes. The UNDP Capacity Development Scorecard will be used for the assessment and the focus of this assessment will be on identifying the capacity development needs of the different departments to ensure the sustainability of project investments beyond the term of the project. The sectoral planning process and operational procedures will also be reviewed focusing on the sectors that have direct impact on mangrove NRs, including review of the provincial Tourism Master Plan.

Activity 2: Biodiversity Status assessment and assessment of monitoring and reporting needs, adaptation of national level biodiversity health index.

Adapting the national level biodiversity health index developed under the national project PPG, this activity will list the principle species of significant global biodiversity that form the target of the project. For each of the sites using this index, a baseline survey will be undertaken which will also select indicators and target species for subsequent surveys. These indicator species should be suitable for assessing conservation impacts of management prescriptions. Monitoring and reporting needs for these species should be specified including methodology, periodicity and localities for monitoring under the project. Indicators should include key wetland birds, important aquatic fauna – e.g. fish and mollusks; selected indicator insects; endangered mammals; major components of vegetation; and instances of invasive alien species (IAS). Biodiversity health is reflected in the ability of a site to maintain its biodiversity values. This will vary significantly from site to site. The biodiversity index which is being developed for this project includes two components: 1) score of habitat suitability for important biodiversity and 2) status of important biodiversity. The score does not necessarily indicate stability as many wetland sites are very dynamic, but what we are interested in is the ability of the biota to adapt to or even thrive with the changes. This will become increasingly important as climate and water flow patterns change.

Activity 3: PA representativeness and resilience review

Under this activity, a list of Hainan PAs will be reviewed and finalised comprising PA categories, management authorities and key biological / ecosystem features. Based on the existing PA system analysis and provincial plan for PA expansion, PA coverage gaps and opportunities will be identified for PA system consolidation, with a thorough analysis of potential climate change impact on Hainan's NRs. The project interventions for PA expansion will be determined and baseline and expansion targets will be verified..

Activity 4: Assessment of PA information and data management system in Hainan Province

This activity will evaluate the existing information and data management system in Hainan Province, with the aim of establishing a viable data sharing platform for enhanced management of the provincial PA system and the mangrove PA network. The activity will involve evaluation of the possible data holders of wetlands and biodiversity information to assess which departments/bureaus should be involved in collating and managing biodiversity and wetland data for the purposes of undertaking PA systems review and gap analysis, planning for adding climate change resilience of the PA system and the monitoring of biodiversity health status through the lifetime of the project. On the basis of current capacity (GIS etc.) and data quality (species and habitat distribution and status), this activity should develop plans for increasing capacity to the level of a data sharing platform as required by the project.

Activity 5: Knowledge Attitudes and Practices (KAP) Survey, community participation and gender assessment

Design and conduct sampling by directly interviewing representative samples of local communities, local media and local government officers within the province and around the proposed demsites. The survey should assess current pre-project levels of Knowledge of wetlands and biodiversity importance; and Attitudes towards conservation and development of wetland areas and Practices that currently impact wetlands' health and functionality. The results of this survey will lead to the design of an appropriate awareness campaign and communication strategy for the project and also can be used in monitoring awareness impacts later in the life of the project. This activity will also conduct local stakeholder consultations in preparation for the co-management component development. In the consultation process, a gender assessment will be incorporated reviewing the role of both females and males in the project development and implementation and potential impacts of the project on each gender group.

Activity 6: PA financing needs and management effectiveness assessment and PA site profiling

This activity will assess current levels of funding of PA operations and protective management in relation to estimated needs. Financial Scorecards will be completed for the Hainan PA system, assessing the PA financing gaps and opportunities for increasing financing. Recommendations will be made for the project interventions to reduce PA financing gaps. Management Effectiveness Tracking Tool (METT) will be applied to each of the PAs in the mangrove PA network and selected catchment PAs. A detailed profile of the mangrove PAs will be compiled, addressing the physical, environmental and socioeconomic context, biodiversity significance, threats, management barriers and

suggested actions for improvement. Staffing levels and capacity will be assessed in the mangrove PAs regarding visitor levels and other human activity pressure. The operational budgets will also be assessed. In addition, this activity will collect baseline data on distribution, activities and the socio-economic situation of local communities living within and adjacent to the demonstration PAs. It will develop plans for monitoring key impacting human activities. Guided by global and national experiences and lessons learned on co-management, appropriate levels and mechanisms of co-management activities with local communities will be designed, as well as required alternative livelihood interventions.

Activity 7: Review of ecosystem service valuations and eco-compensation programmes in China

This activity will review available studies on ecosystem service evaluations in China and identify specific additional studies that should be undertaken under the CBPF-MSL programme. It will also identify and recommend on the most cost effective way of using economic tools under the programme and sub-projects to ensure attainment of NR mainstreaming and an increase in investment in wetland NR management. Furthermore, China’s eco-compensation programme and existing examples of local/provincial schemes, and scheme development processes will be reviewed. Opportunities for channelling eco-compensation funds in direct support of wetland PA management will be explored and project interventions planned. This activity will directly contribute not only to this project’s PPG but also to many of the other projects under the CBPF-MSL Programme.

Activity 8: Feasibility analysis and budget

Based on the above analysis, the full project strategy will be developed. This will include:

- (i) assessment of the social, economic and financial sustainability of proposed outputs and activities;
- (ii) quantification of tangible socioeconomic benefits with gender dimensions;
- (iii) risk analysis;
- (iv) assessment of complementary initiatives and coordination strategies including the possibility for building on recent complementary projects
- (v) replication strategy for project activities;
- (vi) monitoring and evaluation (M&E) and budget;
- (vii) financing plan, including co-financing commitments and incremental costs analysis;
- (viii) incremental analysis;
- (ix) assessment of cost-effectiveness of project outputs and outcome;
- (x) an initial set of ToR for technical inputs.

List of Proposed Project Preparation Activities	Outputs of the PPG Activities	Trust Fund	Grant Amount (a)	Co-financing (b)	Total c = a+b
Activity 1: Systemic and institutional capacity for managing the PA system	Detailed analysis report on systemic (legal/policy) and institutional capacity in Hainan Province for managing PA system, including: (i) a detailed profile and institutional analysis of relevant institutions at provincial, prefectural and sub-prefectural levels, with clear roles in project implementation, based on a thorough assessment using the capacity scorecards; (ii) description of the protected area governance at the provincial and sub-provincial and site levels including planning, decision making and budgeting processes; (iii) analysis and recommendations for institutional capacity development activities to strengthen their PA system planning and management capacity and coordination between the agencies; (iv) review and analysis of the Tourism Master Plan to identify possible areas of conflict with enforcement of the Regulations on Mangrove Protection in Hainan and recommend remedial measures; (v) analysis of sectoral planning process and operational procedure (agriculture, aquaculture, tourism etc.) and identification of areas for improvement to better support implementation of the Regulations on Mangrove Protection in Hainan.	GEF TF	8,000	170,000	178,000
Activity 2: Biodiversity Status assessment and assessment of	The final report including: (i) assessment of the biodiversity status, monitoring and reporting in the Hainan PA system; (ii) a list of the principle species of significant global biodiversity importance that form the target of the project, providing the	GEF TF	15,000	160,000	175,000

monitoring and reporting needs, adaptation of national level biodiversity health index.	baseline data including basic distribution and population and threat status data; (iii) selection of suitable indicator species that can be used to assess conservation impacts of management prescriptions in the target PAs; (iv) specification of monitoring and reporting needs for these species including methodology, periodicity and localities for monitoring under the projects.				
Activity 3: PA representativeness and resilience review	(i) Definitive list of Hainan PA system and mangrove PAs; (ii) Map and detailed information on the PA expansion plan and identification of the project priorities to achieve the project's PA representativeness targets;	GEF TF	9,000	60,000	69,000
Activity 4: Assessment of PA information and data management system in Hainan Province	Assessment report on PAs and wetland information and data management system in Hainan Province, including; (i) review of the existing PA data base and data flow at the provincial and sub-provincial levels, and recommendations for further consolidation under the project with associated ToR for technical inputs; (ii) review of current data platforms available for PA management and environmental and biodiversity monitoring, and data sharing mechanisms at the provincial and sub-provincial levels, and evaluate the data quality and capacity of the various data platform holding agencies; (iii) evaluation of the possible data holders of PA, wetland and biodiversity information to assess which agencies should be involved in collating and managing biodiversity and wetland data for purposes of undertaking PA systems review and gap analysis, planning for adding climate change resilience to PA system and monitoring of biodiversity health status through the lifetime of the project and beyond; (iv) plans for increasing capacity to the level of data sharing platforms as required by the programme. The platform may be a virtual platform involving several data holders rather than a single dedicated new database.	GEF TF	7,000	60,000	67,000
Activity 5: Knowledge Attitudes and Practices (KAP) Survey, community participation and gender assessment	(i) KAP survey baseline results at provincial and local levels, indicating understanding among decision makers and the public on the value of wetlands (in particular mangroves and other coastal wetlands) and the PA system, and identifying areas where awareness and knowledge management needs to be strengthened; (ii) assessment of the income of the park residents and determination of the baseline and target; (iii) review of global and national lessons learned from co-management in mangrove conservation and assess community co-management opportunities within the mangrove PA network and plans for project intervention for establishment of a co-management system with associated ToR for technical inputs; (iv) Record of community consultations and community participation plans for the projects with a thorough gender analysis integrated in the plan.	GEF TF	15,000	50,800	65,800
Activity 6: PA financing needs and management effectiveness assessment and PA site profiling	Complete GEF BD-1 Tracking Tools, containing: (i) Financial Sustainability Scorecard Assessment for the Hainan PA system, with accurate assessment of currently available PA revenue and budget and clear identification of financing gaps and opportunities for increasing financing ; (ii) Management Effectiveness Tracking Tool (METT) assessment for each of the PAs in the mangrove PA network and selected catchment PAs; (iii) Mangrove PA network profile including general profile of the mangrove PA network and profile of individual PAs	GEF TF	15,000	60,000	75,000

	including staffing, PA objectives, management structure, management capacity (management plans, budget, management facilities etc), socioeconomic information with gender disaggregation, and climate change implications; (iv) develop a project plan for enhancing management effectiveness of the individual PAs and the mangrove PA network, and an associated ToR for technical inputs.				
Activity 7: Review of ecosystem service valuations and eco-compensation programmes in China	Review of available studies on ecosystem service evaluations in China and identification of specific additional studies that should be undertaken under the CBPF-MSL programme. The review will include (i) identification of areas where further studies can strengthen or clarify the economic benefits derived through wise management of wetlands and the economic losses being risked through uncontrolled activities and continued loss or degradation to wetlands; (ii) identification of studies that can show the add-on value to biodiversity health and function of maintaining high biodiversity in wetland systems; (iii) identification of studies that show high rates of return for investment into wetland conservation; (iv) recommendation on the most cost effective way of using economic tools under the programme and sub-projects to ensure attainment of NR mainstreaming and an increase in investment in wetland NR management; (v) TOR and costing for the studies proposed for inclusion under the programme; (vi) explore the opportunities for channelling eco-compensation funds in direct support of wetland PA management; (vii) develop plans for establishing eco-compensation schemes in target provinces and landscapes under the programme	GEF TF	25,000	40,000	65,000
Activity 8: Feasibility analysis and budget	(i) assessment of the social, economic and financial sustainability of proposed outputs and activities; (ii) quantification of tangible socioeconomic benefits with gender dimensions; (iii) risk analysis; (iv) assessment of complementary initiatives and coordination strategies; (v) replication strategy for project activities; (vi) monitoring and evaluation (M&E) and budget; (vii) financing plan, including co-financing commitments and incremental costs analysis; (viii) incremental analysis; (ix) assessment of cost-effectiveness of project outputs and outcome; (x) an initial set of ToR for project inputs.	GEF TF	23,523	200,000	223,523
Total project preparation financing			117,523	800,800	918,323

C. FINANCING PLAN SUMMARY FOR PROJECT PREPARATION GRANT: (\$)

	Project Preparation	Agency Fee
Grant Amount	117,523	10,577
Co-financing	800,800	
Total	918,323	10,577

D. PPG AMOUNT REQUESTED BY AGENCY (IES) , FOCAL AREA(S) AND COUNTRY (IES)¹ N/A

TRUST FUND	GEF Agency	Focal Area	Country Name/ Global	(in \$)		
				PPG (a)	Agency Fee (b)	Total c = a + b
Total PPG Requested						

¹ No need to provide information for this table if it is a single focal area, single country and single GEF Agency project.


E. PPG BUDGET REQUEST

Cost Items	Total Estimated Person Weeks for Grant (PW)	Grant Amount (\$)	Co-financing (\$)	Total (\$)
Local consultants *	26	29,000	20,000	49,000
International consultants*	17	51,000	0	51,000
Travel		35,000	15,000	50,000
Workshops and consultations		0	30,000	30,000
Map and data production		0	10,000	10,000
Translation		0	20,000	20,000
Miscellaneous		2,523	5,800	8,323
Baseline project cost (enhancement of biodiversity monitoring and scientific research support system in Dongzhaigang NR)		0	700,000	700,000
Total PPG Budget		117,523	800,800	918,323

* Annex A for Consultant cost details should be prepared first before completing this table. See notes on Annex A for the required detailed information. This table is the sum of all local and international consultants presented in Annex A.

F. GEF AGENCY (IES) CERTIFICATION

This request has been prepared in accordance with GEF policies and procedures and meets the GEF criteria for project identification and preparation.

Agency Coordinator, Agency name	Signature	Date (Month, day, year)	Project Contact Person	Telephone	Email Address
Yannick Glemarec GEF Executive Coordinator, UNDP		February 29, 2012	Midori Paxton Regional Technical Advisor – EBD, UNDP	+66 818787510	midori.paxton@undp.org

Consultants Financed by the Project Preparation Grant (PPG)

Type of Consultant	Position / Titles	\$/ Person Week ¹	Estimated PWs ²	Tasks to be performed
International	Wetland Biodiversity Conservation and Strategic Planning Specialist	3,000	10	<p>The specialist will serve as team leader collating the inputs of different team specialists and take the lead in collaboration with key stakeholders, implementing and executing agencies, in designing the full project document. The work involves facilitating the following process;</p> <ul style="list-style-type: none"> a) evaluate current levels of management effectiveness of stakeholder agencies and evaluate budget levels and sustainability of funding for core operations essential for good governance and management of key wetland PAs - using METT score sheets and financial sustainability score sheets to establish baselines and targets for the project; b) review policy and legal framework in relation to the establishment, mainstreaming and management of a system of wetland protected areas within a broader landscape and development context, identifying contradictions or critical gaps which may hamper the progress of implementation, and suggest measures to remove the barriers; c) assess staffing levels and current levels of competence; identify staff recruitment needs and additional training required under the project, and assess needs for revision of existing draft competence standards vis-à-vis wetland PA management; d) recommend priority activities to be covered under the project in support of strengthening the law enforcement system, and suggest appropriate indicators with baseline information; e) determine key equipment or infrastructure that should be provided under co-financing; <p>During the process, the specialist will:</p> <ul style="list-style-type: none"> f) ensure full stakeholder consultation including communities in the target landscape so as to ensure project ownership and full participation in implementation through generating buy-in on the project contents; g) review baseline information delivered by the local experts; h) develop the threats and root causes matrix, and the description of the barriers to the effective management of the wetland PAs; i) carry out an incremental analysis and cost effectiveness analysis of the project strategy; j) assess the sustainability of suggested project outcomes and outputs; k) assess global environmental benefits sought from the project; l) propose a project monitoring and evaluation framework with a set of measurable impact and progress indicators; m) develop budget plans for the project n) ensure linkages with other government, donor and GEF PA and wetland Biodiversity projects in the region; o) prepare necessary ToRs for the project staff and key consultancies ; p) take the lead in collating the inputs of different team specialists and draft the full project document and CEO request. Revise as necessary to satisfy all parties.
International	Ecosystem Valuation Specialist	3,000	7	<p>The specialist will review available studies on ecosystem service evaluations in China and identify specific additional studies that should be undertaken under the project and provincial level projects under the same framework programme. The specialist will:</p> <ul style="list-style-type: none"> a) identify areas where the further studies can strengthen or clarify the economic

Type of Consultant	Position / Titles	\$/ Person Week ¹	Estimated PWs ²	Tasks to be performed
				<p>benefits derived through wise management of wetlands and the economic losses being risked through uncontrolled activities and continued loss or degradation to wetlands;</p> <p>b) identify studies that can show the add-on value to biodiversity health and function of maintaining high biodiversity in wetland systems;</p> <p>c) identify studies that show high rates of return for investment into wetland conservation;</p> <p>d) recommend the most cost effective way of using economic tools under the programme and sub-projects to ensure attainment of NR mainstreaming and an increase in investment in wetland NR management;</p> <p>e) develop TOR and costing for the studies proposed for inclusion under the programme;</p> <p>f) review China's eco-compensation programme, existing examples of local/provincial schemes, and scheme development processes;</p> <p>g) explore the opportunities for channelling eco-compensation funds in direct support of wetland PA management;</p> <p>h) develop plans for establishing eco-compensation schemes in target provinces and landscapes under the programme</p>
Local	Protected Area Planning and Management Specialist	1,200	15	<p>The specialist will act as the lead national consultant to ensure generation of necessary information for project formulation. The specialist will:</p> <p>a) provide technical input pertaining to protected area planning and management in China and Hainan Province</p> <p>b) prepare a definitive list of PAs in Hainan Province with a prefectural breakdown detailing the biodiversity features, staffing details, management structure, management capacity (management plans, budget, management facilities etc) and climate change implications, for the target wetland PAs in Hainan Province under the project;</p> <p>c) produce a summary of the PA sub-system in Hainan Province in terms of % coverage of different vegetation types, wetland types and ecoregions with provincial breakdown, as well as identify gaps to be filled by the project;</p> <p>d) prepare a list of identified priority wetlands in Hainan Province for inclusion in the PA system and notes on possible obstacles and strategies for PA designation;</p> <p>e) prepare a profile of the mangrove PA network and individual PAs with maps and information detailing physical, environmental and socioeconomic context, biodiversity significance, threats, management barriers and suggested actions for improvement;</p> <p>f) ensure the accuracy of indicator baselines with clear methodologies for monitoring, as well as the feasibility of targets for the project;</p> <p>g) conduct the Financial Sustainability Scorecard Assessment for the Hainan PA system with accurate assessment of currently available PA revenue and budget and clear identification of financing gaps and opportunities for increasing financing;</p> <p>h) conduct necessary Management Effectiveness Tracking Tool (METT) assessment for each of the mangrove PAs network;</p> <p>i) ensure the quality of capacity development scorecard assessments;</p> <p>j) collect information on the government and partners' baseline activities, as well as complementary activities by various partner organisations.</p> <p>k) coordinate the Knowledge, Attitude and Practice (KAP) survey for the project;</p> <p>l) assist team leader to organise stakeholder consultation sessions in order to solicit inputs and ensure stakeholder involvement in, and buy-in, to the project.</p>
Local	Institutional Capacity	1,000	2	<p>The specialist, in close collaboration with the team leader and the PA planning and management specialist will undertake analysis on systemic (legal/policy)</p>

Type of Consultant	Position / Titles	\$/ Person Week ¹	Estimated PWs ²	Tasks to be performed
	Development Specialist			<p>and institutional capacity at the provincial and sub-provincial levels for managing Hainan's PA system with particular focus on the mangrove PA network. The specialist will:</p> <p>a) review and analyse the Tourism Master Plan to identify possible areas of conflict with enforcement of the Regulations on Mangrove Protection in Hainan and recommend remedial measures;</p> <p>b) analyse sectoral planning process and operational procedure (agriculture, aquaculture, tourism etc.) and identify areas for improvement to better support implementation of the Regulations on Mangrove Protection in Hainan.</p> <p>c) compile a detailed profile and institutional analysis of relevant institutions at provincial, prefectural and sub-prefectural levels, with clear roles in project implementation, based on a thorough assessment using the capacity scorecards;</p> <p>d) describe the protected area governance at the provincial and sub-provincial and site levels including planning, decision making and budgeting processes;</p> <p>e) analyse and recommend institutional capacity development activities to strengthen their PA system planning and management capacity and coordination between the agencies;</p> <p>f) assess the capacity of various agencies, in respect of their roles, functions and/or responsibilities and their influence on, and importance in, the implementation of the proposed project; their capacity constraints, strengths and weaknesses in supporting or implementing project activities, with a view to identifying the capacity development needs of the different stakeholder groups to ensure the sustainability of project investments beyond the term of the project;</p> <p>g) conduct the capacity scorecard assessments for the Hainan Forestry Department and its subsidiary departments as appropriate.</p>
Local	Socioeconomics and Community Co-Management Specialist	1,000	4	<p>The specialist, in close collaboration with the team leader and the PA planning and management specialist will:</p> <p>a) review the socioeconomic situations of the local communities in Hainan in particular the areas around the mangrove PAs, and their livelihood activities, and assess the extent of pressure on biodiversity and mangrove PAs as well as alternatives;</p> <p>b) collect baseline data on distribution, activities and socioeconomic situation of local communities living within and adjacent to the demonstration NRs including income levels;</p> <p>c) conduct thorough consultation with the local communities on the project plans to solicit their full input and ensure their consent to the project and participation;</p> <p>d) conduct a gender analysis , examining the role of both females and males in the project development and implementation and potential impacts of the project on each gender group;</p> <p>e) develop plans for monitoring key impacting human activities;</p> <p>f) examine opportunities, feasibility and design proposals for inclusion within the project of appropriate levels and mechanisms of co-management activities with local communities;</p> <p>g) design any required alternative livelihood interventions for the project;</p> <p>h) identify communication needs for the project including key messages, target audiences, channels of communication, communication training needs, and technical and human resource needs;</p> <p>i) cost and describe the communication activities to be covered under the project.</p> <p>j) prepare TOR for communications input to be hired by the project</p>
Local	Protected Area Information and	1,000	2	<p>In order to design the knowledge management component of the project, the specialist will visit and review the current data platforms available for wetland</p>

Type of Consultant	Position / Titles	\$/ Person Week ¹	Estimated PWs ²	Tasks to be performed
	Data Management Specialist			<p>health monitoring and data sharing. The specialist will:</p> <p>a) review the existing wetland data base and data flow at the provincial and sub-provincial levels and make recommendations for further consolidation under the project;</p> <p>b) review current data platforms available for PA management and environmental and biodiversity monitoring, and data sharing mechanisms at the provincial and prefectural levels, and evaluate data quality and the capacity of the various data platform holding agencies;</p> <p>c) evaluate the possible data holders of wetlands and biodiversity information to assess which agencies should be involved in collating and managing biodiversity and wetland data for purposes of undertaking PA systems review and gap analysis, planning for adding climate change resilience to PA system and monitoring of biodiversity health status through the lifetime of the project and beyond;</p> <p>d) develop plans for increasing capacity to the level of data sharing platforms required by the programme. The platform may be a virtual platform involving several data holders rather than a single dedicated new database.</p>
Local	Biodiversity Conservation Specialist	1,000	3	<p>In close collaboration with the team leader and the PA management specialist, the specialist will:</p> <p>a) assess the biodiversity status, monitoring and reporting in the Hainan PA system with particular emphasis on the mangrove PAs;</p> <p>b) compile a list of the principle species of significant global biodiversity importance that form the target of the project, providing the baseline data including basic distribution and population and its trends, as well as threat status data;</p> <p>c) select suitable indicator species that can be used to assess conservation impacts of management prescriptions in the target PAs;</p> <p>d) specify monitoring and reporting needs for these species including methodology, periodicity and localities for monitoring under the projects;</p> <p>e) specify any training that would be required to upgrade PA staff or local collaborators to undertake monitoring and reporting work;</p> <p>f) calculate baseline biodiversity health index and targets to be achieved by the project;</p> <p>g) prepare ToR for technical input under relevant components of the project.</p>

1. Provide dollar amount per person week.

2. Provide person weeks needed to carry out the task.