

INTERNATIONAL TROPICAL TIMBER ORGANIZATION

ITTO

PROJECT DOCUMENT

TITLE	ENHANCING THE IMPLEMENTATION OF LANDSCAPE MANAGEMENT OF GIAM SIAK KECIL-BUKIT BATU BIOSPHERE RESERVE (GSK-BR) IN RIAU PROVINCE OF SUMATRA ISLAND, INDONESIA
SERIAL NUMBER	PD 712/13 Rev.3 (F)
COMMITTEE	REFORESTATION AND FOREST MANAGEMENT
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SUMMARY

The public-privately initiated biosphere reserve, Giam Siak Kecil Bukit Batu Biosphere Reserve (GSK-BR) in the province of Riau of Sumatra, has been recognized as the UNESCO World Monitoring Networks in 2009. This biosphere reserve, which covers an area of approximately 705,000 ha in total, has not been sustainably managed in accordance with existing biosphere concept. The main problems facing reserve management include weaknesses in planning framework of GSK-BR including absence of an integrated strategic management plan, weak capacity of concerned institutions in implementing the biosphere reserve concept and poor participation of local communities in management operations. The proposed project is intended to initiate an effective implementation of sustainable management and conservation of GSK-BR.

The overall objective of the project is to contribute to realizing the management objectives and basic functions of GSK-BR; more specifically, it is necessary to perform sustainable management and conservation of the reserve in an effective manner. The expected outputs are: i) planning framework of GSK-BR enhanced, ii) institutional capacity to manage GSK-BR strengthened, and iii) support of stakeholders, especially the local communities, on operational management of GSK-BR promoted. All planned activities including the developed planning framework and integrated management plan will be implemented collaboratively by local institutions and stakeholders, Ministry of Environment and Forestry, provincial government of Riau, Sinarmas Forestry and Partners as well as local communities and indigenous people living in and around the biosphere reserve area.

EXECUTING AGENCY FOREST RESEARCH AND DEVELOPMENT CENTER, FORESTRY AND ENVIRONMENT RESEARCH, DEVELOPMENT AND INNOVATION AGENCY (FOERDIA), MINISTRY OF ENVIRONMENT AND FORESTRY (MOEF)

COLLABORATING AGENCY SINARMAS FORESTRY & PARTNERS

DURATION 36 MONTHS (PHASE I: 24 MONTHS, PHASE II: 12 MONTHS)

APPROXIMATE STARTING DATE TO BE DETERMINED

BUDGET AND PROPOSED SOURCES OF FINANCE

PHASE I	Source		
	ITTO	250,000	
	Gov't of Indonesia	11,424	(in-kind)
	Sinarmas Forestry & Partners	230,590	(cash/in-kind)
	Total	492,014	
PHASE II	ITTO	248,154	
	Gov't of Indonesia	6,272	(in-kind)
	Sinarmas Forestry & Partners	125,820	(cash/in-kind)
	Total	380,246	
	Grand Total	872,260	

Project Brief

Giam Siak Kecil-Bukit Batu Biosphere Reserve (GSK-BR) is located in Riau province of Sumatra island. It has been officially designated as a UNESCO World Monitoring Network in 2009. GSK-BR covers terrestrial, coastal areas and marine ecosystem of approximately 705,000 ha in total. This public- private sector initiative is intended to promote biodiversity conservation and sustainable use of tropical peat swamp forests in north-eastern part of Sumatra. This biosphere reserve is divided into core area, buffer zone and transition area. The core area with a total of 179,000 ha, consists of two wildlife Reserves (Giam Siak Kecil and Bukit Batu) and production forests. Buffer zone with a total area of 222.000 ha consists of industrial forest plantation and other production forests; whereas the transition area with a total area of 304.000 ha consists of estate-crop plantation, agriculture, community settlements and plantation forests.

The key problem addressed is “Sustainable management and conservation of GSK-BR is not effectively implemented”. The specific objective is therefore to initiate an effective implementation of sustainable management and conservation of GSK-BR. The primary causes of the key problem identified are poor planning framework including the absence an integrated strategic management plan, weak institutional capacity in managing the reserve and lack of support from concerned authorities and main stakeholders to implement biosphere reserve concept. The management plan based on landscape management approach has not been comprehensively discussed with concerned stakeholders and authorities, even though a management coordinating board (MCB) has been officially formed. Mechanism for stakeholders involvement and support has not been developed making all existing infrastructures do not function effectively. Poor public awareness, participation, poverty and other related problems also cause weak implementation of sustainable management in this biosphere reserve.

Immediate intervention is urgently needed to initiate an effective implementation of biosphere reserve management and conservation. This proposed project is intended to provide solution to the problem. The development objective is to contribute to realizing the basic functions and management objectives of GSK-BR; its specific objective is to initiate effective implementation of sustainable management and conservation of GSK-BR consistent with the concept of biosphere reserve development. The expected outputs are planning framework of GSK-BR enhanced, institutional capacity to manage GSK-BR strengthened and support of stakeholders on operational management of GSK-BR promoted.

Several parties will receive benefits/advantages through achievement of the project objectives and outputs, primarily sound and sustainable management of GSK-BR in accordance with landscape management approach, improved management operational capacity and mechanisms that enable the enhancement of achieving the goals and objectives of GSK-BR development. The beneficiaries are local communities, provincial and local governments, Sinarmas Forestry & Partners as the major concession holder in this biosphere reserve areas, Ministry of Environment and Forestry, National Institute of Sciences, Scientific-Research institutions, Universities and NGOs.

This project will be implemented by the Ministry of Environment and Forestry in collaboration with Sinarmas Forestry & Partners, private-public stakeholders, Indonesian Institute of Sciences, Universities and local governments at different levels. The participation of these stakeholders is identified and accommodated since the formulation stage. The integrated management plan of the GSK-BR is one of the important outcomes of the project and essential instrument to ensure sustainable management of the reserve. Therefore, this shall be used and implemented collaboratively by concerned authorities primarily by the provincial and local governments, DG of Forest Protection and Nature Conservation (MoEF) and Sinarmas Forestry & Partners as well as other relevant partners.

Achieving the project's specific objective and outputs, should contribute to the enhancement of sustainable management and conservation of GSK-BR. To this end, all relevant stakeholders must consistently support project implementation operations for which the stakeholders are to be involved in the project since the stage of project formulation.

To execute the project activities, needed resources must be secured. The project is divided into two Phases. For Phase I of the 24 months, funding contributions are expected from ITTO US\$ 250,000, Sinarmas Forestry & Partners US\$ 230,590 (*cash and in kind*) and the Government of Indonesia US\$ 11,424 (*in kind*) giving a total project budget of US\$ 492,014. For Phase II of the 12 months, funding contributions are expected from ITTO US\$ 248,154, Sinarmas Forestry & Partners US\$ 125,820 (cash and in kind) and the Government of Indonesia US\$ 6,272 (in kind) giving a total project budget of US\$ 380,246. The allocation of the ITTO budget is approximately 31% for personnel and 1% for capital items as most investment is to be covered by Sinarmas Forestry & Partners.

List of Abbreviation and Acronyms

BAPPEDA	= Badan Perencanaan dan Pembangunan Daerah (Local Government Planning and Development Agency)
BBKSDA	= Balai Besar Konservasi Sumberdaya Alam –Riau (Natural Resources Conservation Agency) of Riau
CA	= Collaborating Agency
CBD	= Convention on Biological Diversity
FRDC	= Forest Research and Development Center
CITES	= Convention on International Trade of Endangered species of wild Fauna and Flora
CS	= Campaigning Specialist
DFA	= District Forestry Agency
DGFPNC	= Directorate General of Forest Protection and Nature Conservation
EA	= Executing Agency
ES	= Environmental Services
FOERDIA	= Forestry and Environment Research, Development and Innovation Agency
GCPD	= Global Consulting Project Development (URS)
GSK-BR	= Giam Siak Kecil-Bukit Batu Biosphere Reserve
FRI	= Forest Research Institute
UIR	= Universitas Islam Riau (Islamic University of Riau)
IC	= International Consultant
IdeA	= Innovative Development for Eco-Awareness
ITTA	= International Tropical Timber Agreement
ITTO	= International Tropical Timber Organization
IIS	= Indonesian Institute of Sciences (LIPI= Lembaga Ilmu Pengetahuan Indonesia)
LEO	= Local Event Organizer
MAB	= Man and Biosphere
MCB	= Management Coordinating Board
MOEF	= Ministry of Environment and Forestry of Indonesia
NC	= National Consultant
NGO	= Non-Governmental Organization
PC	= Project Coordinator
PFA	= Provincial Forestry Agency
PSF	= Peak Swamp Forest
SMF and P	= Sinarmas Forestry & Partners
ULK	= Universitas Lancang Kuning (University of Lancang Kuning, Riau)
UN	= University
UNESCO	= United Nations on Educational Scientific and Cultural Organization
UR	= University of Riau

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PART 1. PROJECT CONTEXT

1.1. Origin

As to date, the Government of Indonesia and UNESCO Indonesia MAB Programme have declared the establishment of eight (19) biosphere reserves in Indonesia covering a total area of approximately 3.911(perlu update) million hectares in eight provinces of the country, namely Central Kalimantan, West Java, Central Sulawesi, West Nusa Tenggara, West Sumatra, Aceh, Riau and South-East Sulawesi. The Giam Siak Kecil-Bukit Batu Biosphere Reserve, hereinafter called GSK-BR for short, is the seventh one, announced on 26 May 2009 with a total area of approximately 705.271 hectares; GSK-BR is a unique but also fragile peatland ecosystem, highly vulnerable to drastic environmental changes, particularly as a result of human activities; in addition, the ecosystem plays a vital role in serving as a natural sponge-like water reservoir, carbon sink, wildlife habitat and key supporter of economic and cultural well-being of local communities.

It is worth noting that GSK-BR is probably the first and only one in the world at present, as co- managed initiative on blending environmental conservation and sustainable management involving public and private sectors, namely the Indonesian UNESCO MAB Programme, Indonesian Institute of Sciences (LIPI), Ministry of Environment and Forestry, Local Government of Riau, other cooperating parties and Sinar Mas Forestry and Partners (SMF & P). The co-management style in place is necessitated by the fact that private sector, SMF & P in particular, have been operating in the areas even prior to designation of the biosphere reserve in 2009.

In response to the serious threats facing GSK-BR sustainability, the Riau BBKSDA (Natural Resources Conservation Agency) and SMF & P have collaboratively undertaken a number of relevant initiatives and activities these include:

- Scientific research education and related activities covering biodiversity assessment and monitoring with LIPI, Kyoto University, University of Riau (UR) and University of Islamic Riau (UIR), Forestry Research Development and Inovation Agency (FORDA) and Forest Research Institute (FRI) Pekanbaru, Riau;
- Social, economic, cultural and demographic studies with UR, Kyoto University and LIPI
- Environmental services studies including eco-tourism and carbon stock assessment with IPB University, Kyoto University, LIPI, Indonesian Branch of the Global Consulting Project Development (URS) and Innovative Development for Eco-Awareness(IdeA)
- Hydrology and water management studies with Kyoto University and UR
- Bio-prospecting studies with LIPI, Tokyo University, Kyoto University, UR, UIR, Lancang Kuning University (LKU), IPB University and University of Mulawarman (UnMul)
- Forest ecosystem restoration with UR, Kyoto University and Askul Japan
- Put in place robust institutional arrangements, increased capacities for the eco-management of and attract participation in the GSK-BR management through an executive decision of the Governor of Riau No. Kpts. 920/V/2010 of May 14, 2010
- Containment of encroachment, slash-and-burn farming; control of illegal logging; restoration of forest ecosystem with economic benefit to villagers and; tapping of ecosystem services for well-being of local communities in order to abandon their unsustainable practices.

Despite the initiatives and activities that have been undertaken, some are still in progress, serious problems and constraints facing sustainable management remain intact; notable ones among these are those relating to weak planning framework, particularly unavailability of an integrated strategic management plan for guiding coordinated management practices, weak institutional capacity despite the already established coordinating board for GSK-BR management, and limited support by local stakeholders to operational management. This proposed project is the initiative of FRDC, BBKSDA and SMF & P in close consultation with main stakeholders in their attempt to obtaining assistance of ITTO in resolving the aforementioned main problems and it is built on findings of and lessons learned from previous activities in close consultation with the Seville Strategy and Madrid Action Plan for biosphere reserve development. Indeed, proposed project will also greatly assist in continuation or expansion of the relevant activities that have been initiated, particularly those ones relating to enhancement of institutional capacity and strengthening of incentives for local stakeholders to actively participate in future reserve management operations.

1.2.Relevance

1.2.1. Conformity with ITTO objectives and priorities

This proposed project will contribute to the sustainable management of tropical peat swamp forest, specifically to biosphere reserve in Riau province. The project contribution is achieved through the enhancement of planning framework of GSK-BR by developing an integrated strategic management plan (ISMP), institutional capacity building and increased participation of local communities and other relevant stakeholders in reserve management. This project is, therefore, relevant to the objectives of ITTA 2006, specifically to:

- Objective 3: to provide contribution to the sustainable development of tropical forest. This proposed project is relevant since the activities are directed to support the sustainable management of peat swamp forest, which is part of Indonesian tropical forests.
- Objective 6: to support research and development to improve forest management and non-forest values of tropical forests. The proposed project contains various research activities on biological diversity, ecology and environmental services which is also relevant to this ITTA objective.
- Objective 18: to promote the important role of indigenous and local people. This project is particularly relevant to this objective since this one component of the project is to improve livelihood of local communities and indigenous people residing in and around the reserve area. Capacity building of local communities and indigenous people are to be improved through various activities, especially training on income generating activities, such as development of non-timber forest products, fisheries and environmental services.

This proposed project is also relevant to ITTO Strategic Action Plan 2013-2018, especially to:

- Strategic Action Plan 3: Enhance the conservation and sustainable use of biodiversity in tropical producing countries.

Most aspects of this proposed project are addressing the conservation and sustainable use of biological diversity (ecosystems, habitat and species) in the biosphere reserve, the habitat of over 200 plants species, mammals, birds, freshwater fishes, reptiles and amphibian. In this proposed project, those will be further explored to ensure their conservation. In addition, each zone of the biosphere reserve will be delineated and managed to ensure the conservation and protection of habitat using appropriate measures including for economic and community development. Data and

information of the existing ecosystem will be updated and a database management system will also be developed.

- ITTO Strategic Action Plan 4: Reduce tropical deforestation and forest degradation and enhance the provision of environmental services.

The proposed project addresses the high potential conflicts of land use especially in the buffer zone and transition area, which currently are utilized for forest, non-forest, and other economic as well as human development activities. Capacity building, especially for local communities and indigenous people will be carried out, primarily for income generating activities to improve prosperity. By improving prosperity, the pressure on the existing natural resources will decrease and so will threats of deforestation and forest degradation. In addition, the legal framework developed under the project for utilization and development of environmental services and other economic potentials will also contribute to income generation. Therefore, this project is highly relevant to this ITTO Strategic Action Plan.

1.2.2. Relevance to Indonesia's policies

This proposed project is highly relevant to the national policies as it is a concrete operationalization of Indonesian Law No. 5/1990 regarding the conservation of biological diversity, which could be achieved through biosphere reserve management approach. This project also supports the implementation of UN Convention on Biological Diversity (CBD) and field implementation of conservation strategy as described in Indonesian Biodiversity Strategy and Action Plan (IBSAP) 2003-2020, by Indonesian Board for Planning and Development (BAPPENAS).

The Ministry of Forestry has also embarked in six priority programs for 2010-2014 and this proposed project will support the following priority programs:

- a) Biodiversity conservation,
- b) Re-enforcement of permanent forest estate,
- c) Forest resources protection and fire control,
- d) Revitalization of forest utilization and forest industries,
- e) Empowerment of forest local communities, and
- f) Rehabilitation and improvement of carrying capacity of catchment areas.

This proposed project is also relevant to the MoF strategic plan to ensure the achievement of forest protection and nature conservation, through the establishment of management systems, reduction of land conflict and pressure on the national park and conservation areas and improvement of service for ecotourism. In this proposed project, achievement is enhanced through implementation of ISMP of GSK- BR. The ISMP should be the primary reference by all authorities and stakeholders, including local communities and indigenous people in the reserve area management in accordance with the principles and framework of biosphere reserve development. The project also contributes to the improvement of capacity for officials and communities living surrounding the area through training and other capacity building measures (i.e income generating activities and improving livelihood) which are all relevant to the MoEF programs. The formulation of framework for the utilization and management of environmental services, including conserving the existing carbon stock is also relevant to the MoEF program on the mitigation and adaptation of climate change. According to completed preliminary study, this biosphere reserve contains huge carbon content, estimated at 1.7 billions tons. If sound management operations could be implemented, this huge carbon potential could be safely protected from emitting.

1.3. Target Areas

1.3.1. Geographical area

This proposed project will be implemented in Biosphere Reserve of Giam Siak Kecil Bukit Batu (GSK-BR) area. This GSK-BR is located in the province of Riau, Sumatra, with the total area of approximately 705,271 ha (Figure 1). Geographical position is in 101° 11' -102° 10' East and 0°44'-1° 11' North. According to government administration, the BR area is located in the district of Bengkalis (66%), in district of Siak (30%) and the district of Dumai (4%). Accessibility to the BR is moderate; it could be easily reached from three nearest cities of Bengkalis, Siak Sri Indrapura and Dumai, by land or river. To reach this BR from Pekanbaru, the capital city of Riau Province, it takes approximately 3-5 hours by boat.

This GSK-BR covers major peat swamp forest ecosystems and a number of small lakes. This biosphere reserve, as described earlier, is rich of biological diversity (ecosystem, habitat, species), such as plant species, large mammals, freshwater fish, birds, reptiles and amphibians. The area covers by the project is mainly reserve areas of peat swamp forests which consists of production forests, conservation forests and other non-forest uses, such as estate crop plantations (rubber and oil palm plantation) and industrial plantation forests owned by several concession companies and local communities.

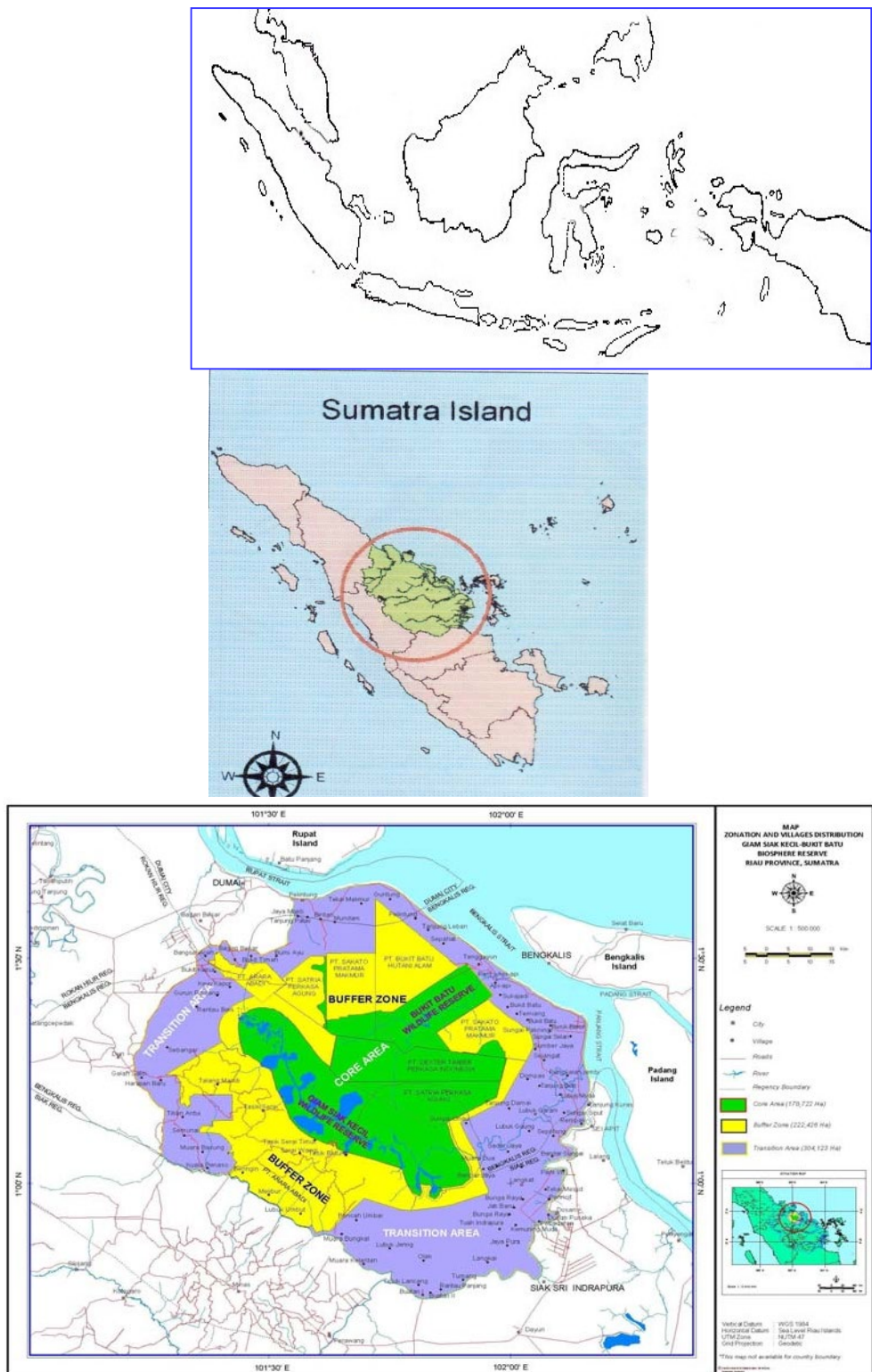
1.3.2. Social, cultural, economic and environmental aspects

(a). Social and cultural aspects

- This GSK-BR is distributed in three Districts (Bengkalis, Siak and Dumai). Bengkalis district consists of 8 sub-districts with over 102 villages in 2011 with a total population of over 500,000 people; the Siak district consists of 14 sub-districts with more than 57 villages and 319,221 of population in 2010. The number of villages which are located in and nearby the reserve is 53 villages with a total population of about 100,000 people. The population density is relatively low but people mostly are lacking of formal education and skills.
- The critical condition to be considered is the fact that villagers in this area live in poverty, uneducated and unskilled, lack of basic social services and such infrastructures as for education, health and social welfare.

Various ethnic groups have been living scatteredly in this reserve and forming families for decades now. They are originated from Malay, mixture of Malay, Javanese, Batakese, transmigrant and other sumatran origins. They have a wide range of educational background and level. Some village communities have cultural concept which implements balance between forest and environments. The control mechanism comes from their beliefs and faith and the existing traditional wisdom. The existing culture slowly evolves to consumptive behaviour which influences the current daily life pattern.

Figure 1. The geographical area of proposed project (Riau Province).



Source: Sinarmas Forestry, 2010

(b). Economic Aspect

- In general, the province of Riau is one of the richest provinces in Indonesia with the primary sources of income from mining, oil production, forestry, agriculture and fisheries.
- Local community livelihood is still mostly dependent on agriculture sector, primarily palm oil, rubber, cacao, coconut and fisheries. Most of the local communities have developed extensive area of rubber plantation since centuries ago. The total area of rubber plantation in Riau province today is nearly 500,000 Ha of which about 86% is owned by local communities while area of palm oil plantation had reached a total of 2,630.000 ha in 2012, 41% of which is owned by the communities.
- Other sources of income are as farmers, laborers in forest concession and estate crop plantations, traders, public servant, fisherman, hunter, collection of timber and non-forest products and other non-permanent jobs. The daily needs for agricultural products such as rice is supplied mostly from other areas within the province.
- The existing natural resources have contributed significantly to prosperity of the communities through traditional way of utilization. The proposed project will introduce the sustainable way of natural resources utilization. The sustainable utilization which will provide continuity of income, which in turn, contribute to sustainable management of natural resources.

(c). Environmental aspect

- This biosphere reserve possesses one of the pristine and unique ecosystems in peat swamp forests of Riau province. This ecosystem harbors a unique eco-biodiversity, performs life- support function and other important environmental services and various economic opportunities. Under the biosphere reserve concept this area is delineated into three areas and zone i.e. core area, buffer zone and transition area which have differences in terms of potential purposes, status and utilization. Two wildlife reserves are located in the core area with a total area of approximately 106,467 ha.
- This biosphere reserve also contains huge carbon stocks; the recent study revealed that the total above ground biomass-carbon equivalent reaches 44.3 millions tonnes of CO₂ (estimate range 28 to 58 million tonnes of CO₂). The total underground carbon content of the peat soil was estimated at more than 1.71 billions tonnes of CO₂.
- The other unique ecosystems are small lake and rivers which have the potential for supporting life for communities from fishing, cultured silvo-fishery system and other related activities. These resources potential should be kept protected from various human interventions. The existing threats are encroachment and conversion to other uses, illegal logging etc. The encroachment, conversion and illegal logging have influenced the environmental quality and ecosystem function of the reserve.
- The biosphere reserve has also ecotourism potentials and has been visited by domestic and international visitors. The most potential visitors are from Malaysia and Singapore, coming for recreation and cultural visit (i.e Siak Sri Indrapura, capital city of Siak District).

A biosphere reserve is an area of terrestrial and coastal/marine ecosystem or a combination thereof, which is internationally recognized within framework of UNESCO's program on man and the Biosphere (MAB). It is established to promote and demonstrate sustainable development model and a balanced relationship between human and the biosphere. A BR is a landscape which includes one or more protected areas and its surroundings that are managed to combine both conservation and sustainable use of natural resources. In accordance with the concept of Biosphere Reserve Development under MAB program, any biosphere reserve is intended to fulfill three complementary functions of a biosphere reserve, namely: i) a conservation function to preserve genetic resources, species, ecosystems and landscapes; ii) a development function to foster sustainable economic and human development, and iii) a logistic support function to support demonstration projects, environmental education and training, and research and monitoring related to local, national and global issues of conservation and sustainable development.

1.4. Expected outcomes at project completion

The objective of this project is primarily to perform management of GSK-BR consistently with the concept of biosphere reserve development through provision of several pre-requisite conditions. The Governor of Riau has fully supported the GSK-BR by forming a coordinating board in 2010 which aimed to enhance the communication and coordination across stakeholders and to implement operational activities of this reserve. In addition to the Governor supports, the project will facilitate creation of several conditions and expected to be achieved within the project duration, as listed below:

- An integrated strategic management plan (ISMP) formulated and widely adopted,
- The existing Coordinating Board functioning well,
- Protocols and SOP of management operations formulated and ready to be used to guide management operations,
- Staffs and personnel responsible for managing GSK-BR well trained,
- Local communities and indigenous people receive training, especially those related to income generating activities,
- Previously initiated community development programs continue strengthening, and
- Legal framework for utilization of environmental services formulated and public campaign start receiving positive responses.

The above conditions should technically and legally enable long-term operationalization of GSK-BR management in accordance with UNESCO's biosphere reserve landscape management approaches. In addition, at project completion, updated data and information will also be available for uses, including information on biological diversity, ecological and other economic potential from existing environmental services.

Project results and outputs are expected to generate favorable changes to situation upon project completion; notable among these are:

- Installed data-base system would aid realistic decision making on reserve management and facilitate effective promotion of GSK-BR development
- Implementation of a legitimate ISMP should ensure proper implementation of planned activities by different relevant actors
- Well functioning of the management coordinating board would facilitate effective management decision making and operations through better coordination, communication and division of work that avoid confusion and disharmony of relation between the stakeholders in general, authorities in particular

- Developed protocols and SOP on management operations should contribute to effective management operations through well-defined tasks and responsibilities of the parties involved
- Dissemination of practical manuals on income generating activities would facilitate effective replication of activities by local communities in other areas subject to existing forestry rules and procedures
- The launching of campaign on GSK-BR development would improve understanding of stakeholders on the socio-economic and environmental values of the biosphere reserve.

PART 2. PROJECT RATIONALE AND OBJECTIVE

2.1. Rationale

2.1.1. Institutional set-up and organizational issues

GSK-BR is a private-public initiative to promote and demonstrate sustainable management across landscapes of the reserve. The landscape consists of protected and conservation areas (two wildlife reserves), production forests (industrial forest plantation) and estate crops (rubber and palm oil plantations) and community settlements. This reserve was proposed by the Government of Indonesia and in 2009, it was officially recognized with its inclusion into the UNESCO World Monitoring Network, as a biosphere reserve. To operate the GSK-BR, a Coordinating Board was formed by Riau Governor consisting of local government authorities, Indonesian Institute of Science, representative from Ministry of Environment and Forestry, Sinarmas Forestry and Partners and other relevant institutions. In general, the main functions of this Management Coordinating Board (MCB) are to:

- Develop core area for conservation, education and research
- Develop buffer zone for sustainable and environmentally sound management and development
- Develop transition areas for economic development and empowerment.

The specific roles of the MCB are to:

- Provide general direction to the overall management of biosphere reserve
- Establish common understanding across authorities and stakeholders
- Integrate activities across authorities and stakeholders
- Formulate operational plan and priority action
- Adopt of the plan and priority action
- Provide direction and recommendation on the resolution of issues and conflicts.

Currently, the operational management of this reserve remains weak and the coordinating board does not function effectively. The proposed project aimed to remove present gaps and barriers to achieving the ultimate goal of biosphere reserve management in accordance with UNESCO landscape management approach. Several institutions will take part in the removal of the present gaps and barriers:

- The Provincial Agency for Planning and Development (BAPPEDA) has the main duty to set-up provincial development plan taking ISMP into account and to facilitate the effective implementation of ISMP;
- Natural Resources Conservation Agency (BBKSDA) of Riau has the main duty to manage and conserve the existing wildlife reserves inside the reserve including their biological diversity thus will involve in the implementation of selected activities primarily those related to the core area in collaboration with Sinar Mas Forestry and Partners;
- Universities and other relevant institutions such as the Indonesian Man and Biosphere Program of the Indonesian Institute of Science (IIS) will be involved in monitoring of management operations especially with respect to activities on conservation, research and education in collaboration with the Forest Research and Development Center of FORDA and;
- The other institutions of the provincial government will also play important role in developing framework for continued and long-term implementation of GSK-BR management plan, community development, forestry and non-forest plantation as well as other economic and human development activities.

The existing MCB will play very important role in the project implementation. The MCB will initiate a series of meeting to identify the gap and remove the gaps that inhibit the execution of field implementation of GSK-BR day to day management.

2.1.2. Stakeholder analyses

A series of consultative meetings involving relevant stakeholders of GSK-BR had been organized in Bali, Bogor, Pekanbaru (Riau) and Jakarta prior to the formulation of this project. The objective of the meetings was to identify the existing problems and to collect relevant data and information regarding the biosphere reserve. Consequences of the problem addressed and its direct as well as indirect causes were thoroughly discussed with the stakeholders during the meeting in view of defining the relevant interventions to solving the problems at hand.

Table 1. Summary of stakeholder consultation

Stake holders	Characteristics	Problems, needs, interests	Potentials	Involvement in the proposed project
Primary				
1. Local communities	- Users of forest resource for wider range of purposes	Lack of knowledge and skill.	-Sources of labors -familiar with the sites and habitat	-Labors, involve in project activities, training and awareness raising
2. Provincial/ District forest services	-Responsible for managing forest resources in their area	Lack of capacity in providing necessary data	Facilitate any implementation activities	Involve in coordinating the implementation of activities, sustainability
3. Sinarmas Forestry and Partners	-Having concession areas and necessary resources	-Limited capacity to coordinate across institution	-Having facilities and other resources	-Involve in implementing project activities, sustainability
Secondary				
4. Ministry of Environment and Forestry	- Governing state forests incl wildlife reserve	-Remain weak in solving forest degradation and other related problem	-Having authority to facilitate	-Provide policy support
5. DG of Forest Protection and Nature Conservation (BKSDA)	- Promote strategies for long term conservation and sustainable utilization of various species	- Limited capacity to collect and update data and information including on wildlife protection and utilization	-Disseminate data and information of findings	-Facilitate information dissemination to global for <u>-Implementation of project results</u> <u>-Future development of core areas</u>
6. DG of Forest Production Management	-Administer and supervise development of production forests	Limited capacity and human resource to complete its tasks	-Experienced in field monitoring of forest operations	-Involves in the formulation of framework, SOP and other management tools
7. BAPPENAS	Involve in setting the national programs for conservation of biological diversity	Limited mandate to directly collect and update data and information	Facilitate the implementation of project findings	-Involve in dissemination, analyses of findings, setting up policies
8. NGO	- Facilitate community awareness raising and prosperity	- Involve in information dissemination and communication with communities	-Close collaboration with communities	-Dissemination and other awareness raising
9. Indonesian Institute of Science (MAB)	- Responsible for scientific assessment on natural resources including plant and animal species, MAB implementation	- Limited access to forest resources	-Scientific community -Assist in analyses of biological diversity -Responsible for monitoring MAB	-Involve in various scientific discussions and implementation of Biosphere Reserve objective -Supervise activities
Tertiary				
10. FORDA (FRDC)	- Responsible for supporting scientific data and information on forest resource – Play an important role in conducting R&D	Limited updated data and information Need to conduct scientific assessment for forest resources	Having capacity to execute national R&D activities,	-Coordinate R&D activities in GSK-BR -Disseminating results
11. Universities	- Involve in the R&D on forestry resources, capacity building and awareness raising	- Limited access on R&D activities, awareness raising and capacity building	-Having facilities and resources	-Scientific meeting, local community capacity building

The stakeholders support the formulation and implementation of this project in order to accelerate operational management of the biosphere reserve and to solve existing barriers and gaps. The stakeholders support this project by providing various necessary data and information on the current condition, emerging issues and problems faced in the operational management of this biosphere. The stakeholders also provide information on the huge potential for future development of this area and their potential role in the implementation of this project. Stakeholders analyses for this proposed project is presented in Table 1.

2.1.3. Problem analysis

The GSK-BR was formally established in 2009 covering an area of approximately 705,271 Ha in total comprising 178,722 Ha of core area, 222,426 Ha of buffer zone and 304,123 Ha of transition area. The reserve is intended to fulfill three complementary functions of a biosphere reserve, namely: i) a conservation function to preserve genetic resources, species, ecosystems and landscapes; ii) a development function to foster sustainable economic and human development, and iii) a logistic support function to support demonstration projects, environmental education and training, and research and monitoring related to local, national and global issues of conservation and sustainable development. The primary objective of the reserve management is to achieve a sustainable balance between the sometimes conflicting goals of conserving biological diversity, promoting economic development and maintaining cultural values. The biosphere reserve is the site where this objective is tested, refined, demonstrated and implemented.

As to date, however, this primary objective of GSK-BR management is admittedly difficult to realize because implementation of operational management is weak. Therefore, the key problem to be addressed by the project is defined as “Sustainable management and conservation of GSK-BR is not effectively implemented”. This inadequate performance is attributable to three direct causes, namely: i) weak planning framework of GSK-BR, ii) weak institutional capacity in operational management of the reserve, and iii) limited support of stakeholders on management operations. Upon close examination by stakeholders during the consultative meetings that were deliberately organized for the purpose, the first direct cause “weak planning framework” was brought about by at least four problems namely: inadequate understanding of concerned authorities on planning framework, unclearly defined forest functions on each zone of GSK-BR, lack of reliable updated data on the reserve and unavailability of Integrated Strategic Management Plan (ISMP).

Needed intervention to resolve the aforementioned problems should include: raising understanding of concerned authorities on the essence of reserve planning, ensuring sustainability of forest functions on individual zones, compiling and managing updated reliable data on the reserve for purposes of planning and decision making as well as developing and adopting an ISMP. It is argued that enhancing of planning framework is almost impossible without strong commitment of concerned authorities, availability of updated reliable data and sustainability of defined forest functions. In addition, developed ISMP is only useful as intended when it is officially adopted thus must be endorsed by main stakeholders in general, by concerned authorities in particular. It is worth noting at this juncture that the problem on “not well defined forest function” is most obvious in the core area of GSK-BR. Recall that the core area covers around 178,722 Ha of forest area comprising 106,467 Ha of wildlife reserves and 72,255 Ha of natural production forests. The production forest is managed under a forest concession license awarded by the government to Sinar Mas & Partners. Due to the serious forest degradation occurring in the past, there is a need to re- visit this forest concession license in view of changing the function from production forest to forest ecosystem restoration to ensure its sustainable management.

The second direct cause of the key problem “weak institutional capacity in operational management” is the result of four associated problems i.e. existing management coordinating board does not function well; insufficient number of trained professionals; undefined rules of conduct on management operations, and; weak funding mechanisms to support continued management operations. The interventions needed to resolve these problems should include: strengthening of existing organization and institutional coordination, conducting training of professionals, developing and adopting appropriate protocols and SOP for management operations and developing a well-functioning of funding mechanism.

As regards the third direct cause “limited support of stakeholders on management operations”, the stakeholder consultative meetings argued that it is attributable to four forces, namely: i) poor understanding of stakeholders on values of the reserve, ii) lack of incentives for local communities to support reserve development, iii) absence of incentive scheme for private sector to support management operations, and iv) poor campaign program on biosphere reserve development. Correspond to the problems identified, relevant interventions should include: improving the understanding of local communities on the functions of biosphere reserve, making livelihood of local communities better through demonstration of income generating activities with respect to their implementation and management as well as appropriate training on needed livelihood and NTFP business skills, formulating policy on involvement of private sector in the utilization of environmental services and initiating aggressive campaign on biosphere reserve development.

Above cause-effect relationship of the key problem addressed is summarized in Figure 2, the Problem Tree. As the mirror of the Problem Tree, a Solution Tree has been constructed as depicted in Figure 3. The Solution Tree clearly shows the elements of proposed project notably those means/actions relevant to solving the different problems shown in Figure 2. Accordingly, the Solution Tree diagram has been used as the basis for defining project objectives, outputs and activities which in turn determine the relevant implementation approaches as well as work plan and associated budget of the project.

Figure 2. Problem Tree

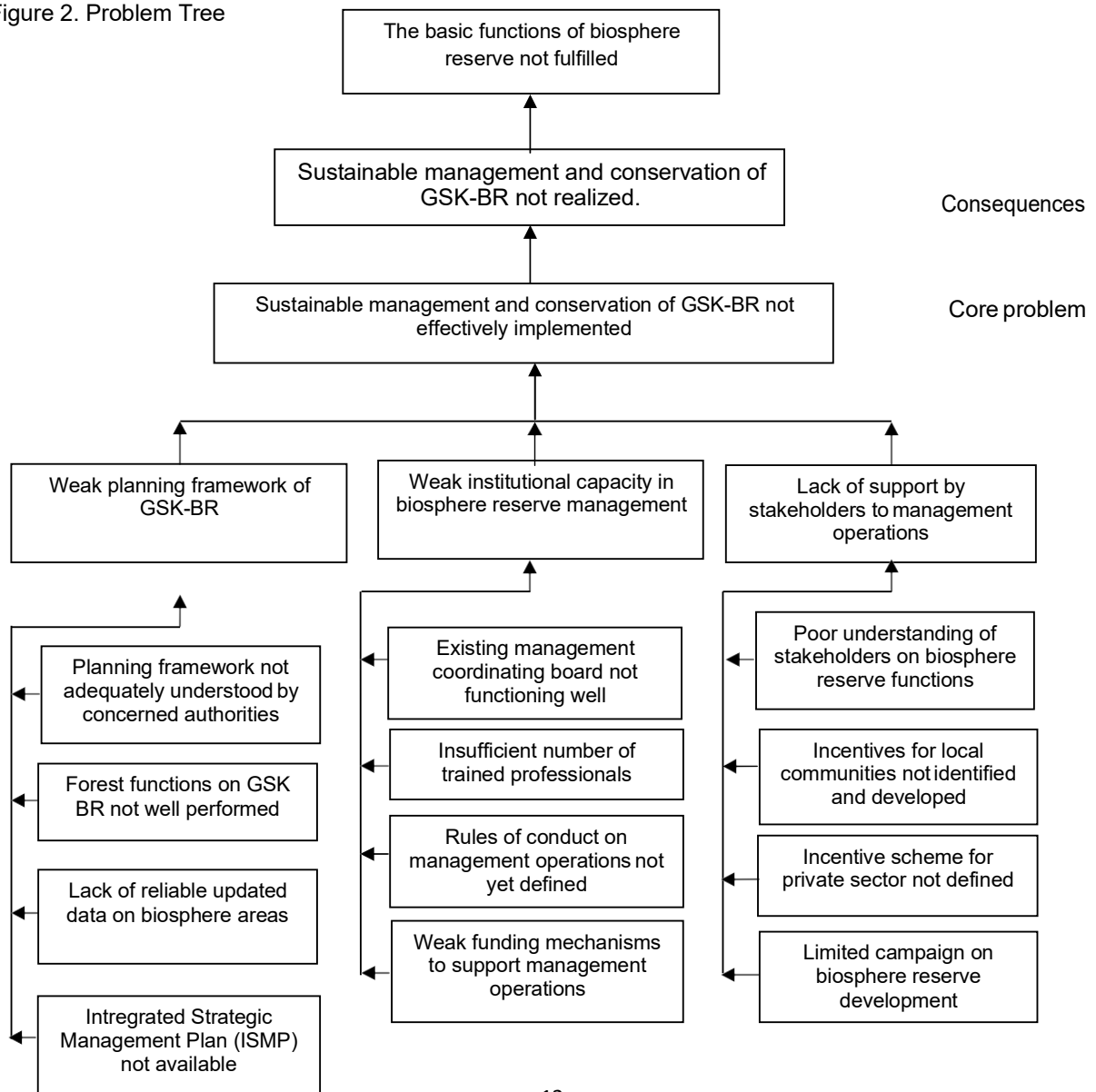
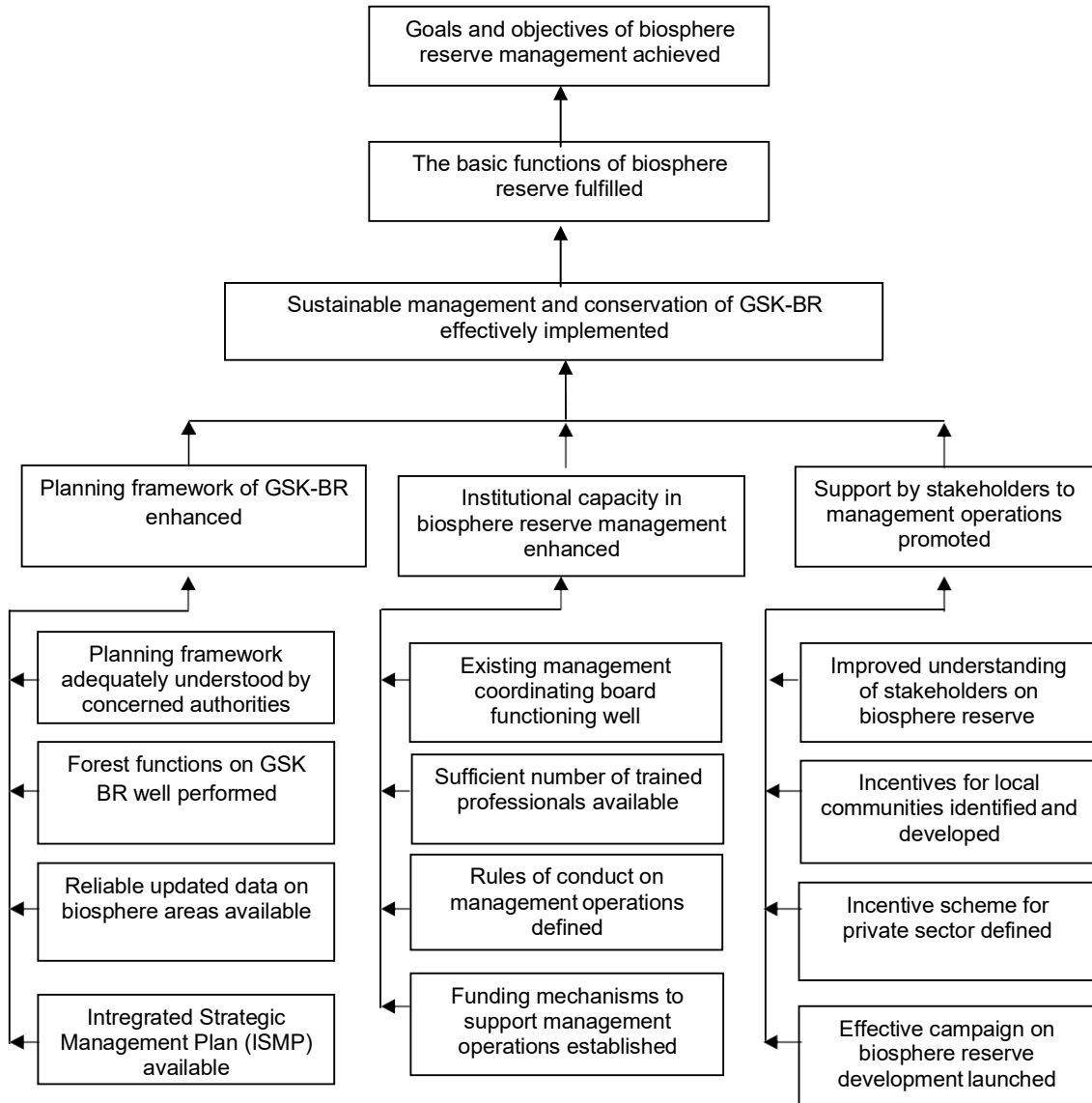


Figure 3. Solution Tree



Logical framework matrix

Project elements	Indicators	Means of verification	Assumptions
<p>Development Objective To contribute to realizing the management objectives and basic functions of GSK-BR</p>	<p>3-4 years after project completion:</p> <ul style="list-style-type: none"> - Adopted ISMP fully used to guide management operations - At least 20 villages in 2 main districts supported management operations 	<p>Consultation with authorities</p> <p>Forestry Agency annual reports Forestry Agency annual reports</p>	<p><u>Provincial and district governments provide strong support implementation of adopted ISMP</u></p>
<p>Specific Objective To promote an effective implementation of sustainable management and conservation of GSK-BR</p>	<p>By end of year 3:</p> <ul style="list-style-type: none"> - A legitimate ISMP disseminated, adopted and ready for implementation - Coordinating board equipped with operational infrastructure and functioned well - Protocols and SOP of management operations developed and adopted - 120 farmers of 12 villages in 2 main districts engaged in implementation of livelihood activities 	<p>Consultation, ISMP document</p> <p>Field check</p> <p>Protocols and SOP document Livelihood development report</p>	<p><u>Provincial and District governments support adoption of formulated ISMP</u></p>
<p>Outputs</p> <p>Output 1: Planning framework of GSKBR enhanced</p>	<ul style="list-style-type: none"> - 1 FGD held in year 1 - Sustainable forest functions on core area well defined - Data on reserve reviewed and updated in year 1 - Database system installed and operational since year 1 - ISMP formulated in year 2 - Consultation on ISMP with stakeholders at provincial and district levels conducted in year 2 - 1 national workshop organized and ISMP adopted in year 2 - MCB equipped with workplan and work facilities since year 1 	<p>Discussion report Map, field check</p> <p>NC's report NC's report, field check</p> <p>ISMP document Consultation report</p> <p>Workshop report ISMP document</p>	

<p>Output 2: Institutional capacity to manage GSK BR strengthened</p> <p>Output 3: Support of stakeholders on operational management of GSK BR promoted</p>	<ul style="list-style-type: none"> - 6 staff of EA and CA trained on skills for biosphere reserve management in years 1 and 2 - Protocols of managements operations adopted in year 2 - SOP for management operations adopted in year 2 - Suitable funding mechanism established in year 2 - A series of dialogue on livelihood activities with local stakeholders conducted in year 1 - 3 income generating activities identified and demonstrated at 4 sites in years 1 - 3 - 120 farmers of 12 villages in 2 districts trained on livelihood activities in years 2-3 - At least 40% of woman involved in the training - 3 technical manuals on livelihood developed and disseminated in years 2-3 - Legal framework for utilization of environmental services developed in years 2-3 - Campaign on GSK BR development launched in year 3 	<p>NC's report</p> <p>Training report</p> <p>Protocols document</p> <p>SOP document</p> <p>NC's report</p> <p>NGO's technical report</p> <p>NGO's technical report, field check</p> <p>Training report</p> <p>Technical manual</p> <p>Policy document</p> <p>Campaign materials</p>	
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2.2. Objectives

2.2.1. Development objective and impact indicators

Development objective:

To contribute to realizing the management objectives and basic functions of GSK-BR

Impact Indicators:

3-4 years after project completion:

- Adopted ISMP fully used to guide management operations
- Deforestation and forest degradation reduced from 2,800 ha in 2013 to 0 ha in 2023
- At least 20 villages in 2 main districts supported management operations

2.2.2. Specific objective and outcome indicators

Specific objective:

To promote an effective implementation of sustainable management and conservation of GSK-BR

Outcome Indicators:

By end of year 3:

- A legitimate ISMP disseminated, adopted and ready for implementation
- Coordinating board equipped with operational infrastructure and functioned well
- Protocols and SOP of management operations developed and adopted
- 120 farmers of 12 villages in 2 main districts engaged in implementation of livelihood activities

PART 3. DESCRIPTION OF PROJECT INTERVENTIONS

3.1. Outputs and activities

3.1.1. Outputs

Output 1:	Planning framework of GSK-BR enhanced
Output 2:	Institutional capacity to manage GSK-BR strengthened
Output 3:	Support of stakeholders on operational management of GSK-BR promoted

3.1.2. Activities

Output 1

Activity 1.1	To organize one focus group discussion on planning framework of GSK-BR involving concerned authorities
Activity 1.2	To affirm sustainable forest functions on GSK-BR involving forestry authorities and main stakeholders
Activity 1.3	To review and update bio-physical and socio-economic data on biosphere reserve
Activity 1.4	To install and operate a data-base system for the biosphere reserve
Activity 1.5	To formulate ISMP with the assistance of competent professionals
Activity 1.6	To conduct consultation with general stakeholders on draft ISMP
Activity 1.7	To organize one national workshop on GSK-BR biosphere management status and adoption of ISMP

Notes:

Activity 1.2 corresponds to the problem on “not well-defined forest functions on GSK-BR”; Activities 1.3 and 1.4 correspond to the problem on “lack of updated reliable data”; Activities 1.5 through 1.7 are consistent with the problem on “unavailable ISMP”

Output 2

Activity 2.1	To make existing management coordinating board functioning well through development of an operational plan and provision of needed resources
Activity 2.2	To train sufficient number of professional on biosphere management related skills
Activity 2.3	To formulate and adopt protocols on biosphere management operations
Activity 2.4	To develop standard operating procedures (SOP) for conduct of management operations by different stakeholders
Activity 2.5	To establish a suitable funding mechanism to support continued management operations of GSK-BR

Notes:

Activities 2.3 and 2.4 correspond to the problem on “rules of conduct on management operations not yet defined”

Output 3

- | | |
|--------------|---|
| Activity 3.1 | To conduct a series of dialogue with stakeholders at sub-district and village levels on potential benefits of biosphere reserve development |
| Activity 3.2 | To identify sustainable income generating activities in close consultation with local communities at selected sites |
| Activity 3.3 | To establish demonstration plots for selected income generating activities at selected suitable sites |
| Activity 3.4 | To train villagers on practical skills for implementing selected income generating activities and for developing CSE of NTFPs. |
| Activity 3.5 | To develop and disseminate technical manuals on development of selected income generating activities |
| Activity 3.6 | To initiate development of legal framework for the utilization of environmental services by private sector in close consultation with main stakeholders |
| Activity 3.7 | To launch campaign on GSK-BR development through dialogue, production and dissemination of attractive and easy-to-read materials |

Notes:

Activities 3.1 thru 3.5 deal with development of incentives for local communities corresponding to the problem on “incentives for local communities not identified and developed”

A national policy that specifically governs on PES is currently not available. The utilization of environmental services within the conservation area is only regulated through the Government Regulation, PP No. 28/2011 and Forestry Ministerial decree, P. 20/2012. Among the important relevant provisions of PP No. 28/2011 are:

- Any designated conservation areas can be utilized for purposes of research and education as well as for production of environmental services including carbon, water, energy and biodiversity (Section 32)
- Utilization of conservation areas may be performed in collaboration with private sector, international organizations and other eligible parties (Section 43)
- Utilization of conservation areas requires a license to be issued by the Ministry of Forestry (Section 38)
- Any licensed users of conservation areas must pay for charges of the environmental services they produce at the rate to be determined by the government

The proposed Activity 3.6 is intended to improve operationalization of the existing framework on the utilization of environmental services within the biosphere covering, among others, carbon, water, energy, biodiversity and tourism; and including the requirements and procedures for licensing the utilization and trading of environmental services in general, not only for carbon. This project argues that the manner in which relevant legal framework is formulated may favorably or adversely affect interest of investors in tapping of environmental services potential of GSK-BR.

3.2. Implementation approaches and methods

This project will be implemented through several approaches and methods below:

- To organize consultation and focus group discussions to facilitate formulation of integrated strategic management plan, legal framework for utilization of environmental services, protocols and SOP of management operations and various forms of public campaign, including mechanism for funding and stakeholders involvement.
- To organize training to improve capacity (skills and knowledge) of staffs and personnel of different such institutions as coordinating board, local research institutions, local governments (BAPPEDA) and other local forestry institutions responsible for and involved in the management operations of GSK-BR.
- To organize capacity building and awareness raising to improve knowledge and skills of local communities and indigenous people on the overall objective of biosphere reserve, the importance of conserving natural resources and sustainable income generating activities.
 - Specific training for income generation activities will be organized for local communities and indigenous people, such as for management of community small-scale enterprises (CSE), non-timber forest products and fisheries.
 - Awareness raising on the importance of maintaining ecosystem function will be conducted through information dissemination to various communities using printed materials, radio and talkshow within the province of Riau.
- To organize discussion to formulate funding mechanism for support of long term management of GSK-BR; availability of funding is prerequisite to ensuring sustainability of project activities initiated under the project.
- To enhance capacity of institutions for managing GSK-BR by reviewing existing rules and regulations in view of their enhancement.
- To up-date the previously collected data and information on existing natural resources including biological diversity in previously defined areas and zone; updated data and information are important to properly set-up the management plan, conservation strategies for biological component and operational activities, including for the establishment of database management system.
- To identify adequate monitoring method for project implementation and sustainability measures by organizing a preparatory meeting prior to implementation of the project activities.
- To distribute and disseminate project results and findings to all beneficiaries through various means, during the implementation of the project and after its completion.

3.3. Workplan

Output/activities	Resp. Party	Phase I								Phase II			
		Year 1				Year 2				Year 3			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Output 1													
Activity 1.1: To organize one focus group discussion on planning framework of GSK-BR involving concerned authorities	PC, PFA	V											
Activity 1.2: To affirm sustainable forest functions on GSK BR involving forestry authorities and main stakeholders	PC, PFA, KPH	V	V	V	V								
Activity 1.3: To review and update bio-physical and socio-economic data on biosphere reserve	FORDA, IIS		V	V	V								
Activity 1.4: To install and operate a data-base system for the biosphere reserve	PC, NC			V	V	V	V	V	V	V	V	V	V
Activity 1.5: To formulate ISMP with the assistance of competent professionals	IC, NC, IIS					V	V			V	V	V	V
Activity 1.6: To conduct consultation with general stakeholders on draft ISMP	PC, PFA							V	V	V	V	V	V
Activity 1.7: To organize one national workshop on GSK BR biosphere management status and adoption of ISMP	PC, BBKSDA, LEO								V	V	V	V	V
Output 2													
Activity 2.1: To make existing management coordinating board functioning well through development of an operational plan and provision of needed resources	PC, NC			V	V			V	V	V	V	V	V
Activity 2.2: To train sufficient number of professional on biosphere management related skills	PC, BBKSDA, IIS, SF, UN			V	V			V	V				
Activity 2.3: To formulate and adopt protocols on biosphere management operations	PC, NC, BBKSDA, IIS			V	V			V	V	V	V		
Activity 2.4: To develop standard operating procedures (SOP) for conduct of management operations by different stakeholders	PC, NC, BKSDA, IIS, SF,					V	V	V	V	V	V	V	V
Activity 2.5: To establish a suitable funding mechanism to support continued management operations of GSK BR	PC, NC, IIS					V	V	V	V	V	V	V	V

Output/activities	Resp. Party	Phase I								Phase II			
		Year 1				Year 2				Year 3			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Output 3 Activity 3.1: To conduct a series of dialogue with stakeholders at sub-district and village levels on potential benefits of biosphere reserve development	PC, SF, NGO	V	V	V	V								
Activity 3.2: To identify sustainable income generating activities in close consultation with local communities at selected sites	PC, SF, NGO	V	V	V	V								
Activity 3.3: To establish demonstration plots for selected income generating activities at selected suitable sites	FORDA, SF, NGO			V	V	V	V	V	V	V	V		
Activity 3.4: To train villagers on practical skills for implementing selected income generating activities and for developing CSE of NTFPs	PC, SF, NGO					V	V	V	V	V	V		
Activity 3.5: To develop and disseminate technical manuals on development of selected income generating activities	FORDA, SF, NC							V	V	V	V	V	V
Activity 3.6: To initiate development of legal framework for the utilization of environmental services by private sector in close consultation with mainstakeholders	PC, SF, NC, IC							V	V	V	V	V	V
Activity 3.7: To launch campaign on GSK BR development through dialogue, production and dissemination of attractive and easy-to-read materials	PC, CS, SF, BBKSDA, NGO						V	V	V	V	V	V	V

Notes:

BBKSDA = Balai Konservasi Sumberdaya Alam (Natural Resources Conservation Agency)

FORDA = Forestry Research Development and Innovation Agency (FRDC)

CS = Campaigning Specialist

NC = National Consultant

IC = International Consultant

PFA = Provincial Forestry Agency

NGO = Non-Governmental Organization

SF = Sinarmas Forestry

IIS = Indonesian Institute of Science

IC = International Consultant

PC = Project Coordinator

LEO = Local Event Organizer

UN = University

Review of workplan on Activities 1.5 - 1.7

Under Activity 1.5 draft ISMP will be completed. This draft needs to be improved through consultation with stakeholders at the district and provincial levels for which 3 workshops need to be organized. The workshops are to be completed within one year time under Activity 1.6. Improved draft that accomodates comments (inputs) of the district and provincial workshops will be tabled at a national workshop to be organized under Activity 1.7. The national workshop will be attended by district, province and national authorities as well as other main stakeholders to final discuss improved draft ISMP and endorse its adoption. Involvement of national authorities including officials of Indonesia MAB Programme is a matter of necessity considering the fact that management of the biosphere reserve is the responsibility of both the Ministry of Environment and Forestry and MAB Programme. Allocating three quarters for consultation and adoption of ISMP under Activities 1.6 and 1.7 is thought to be reasionable.

3.4. Budget-Phase I

3.4.1. Master budget schedule

Output/Activity	Quarter	Budget component	Inputs	Unit	Quantity				Total	Unit Cost	ITTO Contribution			Gol Contribution (Executing+Sinar Mas Forestry)			Grand Total	
					ITTO		GOI				Year 1	Year 2	Total	Year 1	Year 2	Total		
					Year 1	Year 2	Year 1	Year 2										
1	2	3	4	5	6	7	9	10	12	13	14	16	17	18	20	21		
Output 1 : Planning framework GSKBR																		
Activity 1.1.: To organization focus group discussion on Planning framework GSKBR involving concerned authorities	Q1-Q2, Y1	15 31.2 33 51	a b c d	National Consultant (NC) DSA, NC Local Transport Consumable	MM MD TD Package	2.00 5.00 - 0.50	- - - -	2.00 25.00 30.00 0.50	- - - -	4.00 30.00 30.00 1.00	1,300.00 70.00 60.00 1,000.00	2,600.00 350.00 - 500.00	- - - -	2,600.00 350.00 - 500.00	2,600.00 1,750.00 1,800.00 500.00	- - - -	2,600.00 1,750.00 1,800.00 500.00	5,200.00 2,100.00 1,800.00 1,000.00
Sub-total Activity 1.1											3,450.00	-	3,450.00	6,650.00	-	6,650.00	10,100.00	
Activity 1.2: To affirm sustainable forest function on GSKBR involving forestry authorities and main stakeholders	Q1-Q4, Y1	15 31.2 1.10 56 51 33 51 61	a b c d e f g h	National Consultant (NC) DSA, NC Laborer Satellite imagery Consumable Local transport Stakeholder consultation Miscellaneous, meeting	MM MD MD Scane Package Month Meeting Paclage	5.00 10.00 - - 2.00 - 1.00 2.00	- - - - - - - -	4.00 40.00 225.00 2.00 1.00 50.00 2.00 3.00	- - - - - - - -	9.00 50.00 225.00 2.00 3.00 50.00 3.00 5.00	1,200.00 70.00 10.00 1,000.00 2,000.00 800.00 1,500.00 900.00	6,000.00 700.00 - - 4,000.00 - 1,500.00 1,800.00	- - - - - - - -	6,000.00 700.00 - - 4,000.00 - 1,500.00 1,800.00	4,800.00 2,800.00 2,250.00 2,000.00 2,000.00 40,000.00 3,000.00 2,700.00	- - - - - - - -	4,800.00 2,800.00 2,250.00 2,000.00 2,000.00 40,000.00 3,000.00 2,700.00	10,800.00 3,500.00 2,250.00 2,000.00 6,000.00 40,000.00 4,500.00 4,500.00
Sub-total Activity 1.2											14,000.00	-	14,000.00	59,550.00	-	59,550.00	73,550.00	
Activity 1.3: To review and update biophysical and socio-economic data on bios phere reserve	Q1-Q4, Y1	15 31.2 33 51 61	a b c d e	National Consultant (NC) DSA, NC Local transport Consumable Miscellaneous, meeting	MM MD TD Paclage Paclage	6.00 10.00 - 1.00 4.00	- - - - -	6.00 30.00 50.00 - -	- - - - -	12.00 40.00 50.00 1.00 4.00	1,200.00 70.00 50.00 500.00 300.00	7,200.00 700.00 - 500.00 1,200.00	- - - - -	7,200.00 700.00 - 500.00 1,200.00	7,200.00 2,100.00 2,500.00 - -	- - - - -	7,200.00 2,100.00 2,500.00 - -	14,400.00 2,800.00 2,500.00 500.00 1,200.00
Sub-total Activity 1.3											9,600.00	-	9,600.00	11,800.00	-	11,800.00	21,400.00	
Activity 1.4: To Install and operate a database system for the bios phere reserve	Q3-Q4, Y1 Q1-Q4, Y2	14 41 54 17 61	a b c d e	National Expert (NE) PC/Notebook and Facilities Provider Rental Operator Miscellaneous, meeting	MM Set Package MM Paclage	5.00 1.00 0.50 - -	6.00 - 1.00 - 1.00	2.00 2.00 - - 1.00	4.00 - - 12.00 1.00	17.00 3.00 1.50 12.00 3.00	800.00 1,500.00 900.00 300.00 200.00	4,000.00 1,500.00 450.00 - -	4,800.00 - 900.00 - 200.00	8,800.00 1,500.00 1,350.00 - 200.00	1,600.00 3,000.00 - - 200.00	3,200.00 - - 3,600.00 200.00	4,800.00 3,000.00 - 3,600.00 400.00	13,600.00 4,500.00 1,350.00 3,600.00 600.00
Sub-total Activity 1.4											5,950.00	5,900.00	11,850.00	4,800.00	7,000.00	11,800.00	23,650.00	

Output/Activity	Quarter	Budget component	Inputs	Unit	Quantity					Unit Cost	ITTO Contribution			Gol Contribution (Executing+Sinar Mas Forestry)			Grand Total	
					ITTO		GOI		Total		Year 1	Year 2	Total	Year 1	Year 2	Total		
					Year 1	Year 2	Year 1	Year 2	Year 1									Year 2
1	2	3	4	5	6	7	9	10	12	13	14	16	17	18	20	21		
Activity 1.5.: To formulate ISMP with the assistance of competent professionals	Q1-Q2, Y2	15	a	National Consultant (NC)	MM	-	6.00	-	-	6.00	1,000.00	-	6,000.00	6,000.00	-	-	-	6,000.00
		31.2	b	DSA, NC	MD	-	10.00	-	40.00	50.00	70.00	-	700.00	700.00	-	2,800.00	2,800.00	3,500.00
		32.1	c	Airticket	Trip	-	3.00	-	-	3.00	250.00	-	750.00	750.00	-	-	-	750.00
		33	d	Local Transport	TD	-	-	-	50.00	50.00	50.00	-	-	-	-	2,500.00	2,500.00	2,500.00
		61	e	Miscellaneous, meeting	Package	-	1.00	-	1.00	2.00	300.00	-	300.00	300.00	-	300.00	300.00	600.00
Sub-total Activity 1.5												7,750.00	7,750.00		5,600.00	5,600.00	13,350.00	
Activity 1.6: To conduct consultation with general stakeholders on draft ISMP	Q3-Q4, Y2	21	a	Subcontract- No. 1, UN	Event	-	-	-	-	-	-	-	-	-	-	-	-	-
		61	b	Miscellaneous, meeting	Package	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-total Activity 1.6																		
Activity 1.7: To organize one national workshop on GSK BR biosphere management status and adoption of ISMP	Q4, Y2	22	a	Subcontract- No. 2, LEO	Contract	-	-	-	-	-	-	-	-	-	-	-	-	-
		61	b	Miscellaneous, meeting	Package	-	-	-	-	-	-	-	-	-	-	-	-	-
		62	c	Printing of ISMP document	Copy	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-total Activity 1.7																		
Total Output 1											33,000.00	13,650.00	46,650.00	82,800.00	12,600.00	95,400.00	142,050.00	
Output 2: Institutional capacity to manage GSK BR strengthened																		
Activity 2.1: To make existing management coordinating board functioning well through development of an operational plan and provision of needed resources	Q3-Q4, Y1	15	a	National Consultant (NC)	MM	4.00	3.00	2.00	2.00	11.00	700.00	2,800.00	2,100.00	4,900.00	1,400.00	1,400.00	2,800.00	7,700.00
		31.2	b	DSA, NC	MD	6.00	5.00	25.00	25.00	61.00	70.00	420.00	350.00	770.00	1,750.00	1,750.00	3,500.00	4,270.00
		51	c	Consumable	Package	6.00	6.00	6.00	6.00	24.00	500.00	3,000.00	3,000.00	6,000.00	3,000.00	3,000.00	6,000.00	12,000.00
	Q3-Q4, Y2	19	d	MCB Secretary	Package	-	-	12.00	12.00	24.00	500.00	-	-	-	6,000.00	6,000.00	12,000.00	12,000.00
		61	e	Miscellaneous, meeting	Package	-	-	4.00	4.00	8.00	600.00	-	-	-	2,400.00	2,400.00	4,800.00	4,800.00
		68	f	MCB Quarterly meeting	Month	-	-	4.00	4.00	8.00	200.00	-	-	-	800.00	800.00	1,600.00	1,600.00
Sub-total Activity 2.1										6,220.00	5,450.00	11,670.00	15,350.00	15,350.00	30,700.00	42,370.00		
Activity 2.2: To train sufficient number of professional on biosphere management related skills	Q3-Q4, Y1	23	a	Sub contract - No. 3, UN	Contract	1.00	2.00	-	-	3.00	6,000.00	6,000.00	12,000.00	18,000.00	-	-	-	18,000.00
	Q3-Q4, Y2	61	b	Miscellaneous, meeting	Meeting	-	-	2.00	2.00	4.00	300.00	-	-	-	600.00	600.00	1,200.00	1,200.00
Sub-total Activity 2.2.											6,000.00	12,000.00	18,000.00	600.00	600.00	1,200.00	19,200.00	

Output/Activity	Quarter	Budget component	Inputs	Unit	Quantity					Unit Cost	ITTO Contribution			Gol Contribution (Executing+Sinar Mas Forestry)			Grand Total	
					ITTO		GOI		Total		Year 1	Year 2	Total	Year 1	Year 2	Total		
					Year 1	Year 2	Year 1	Year 2										
1	2	3	4	5	6	7	9	10		12	13	14	16	17	18	20	21	
Activity 2.3: To formulate and adopt protocols on biosphere management operations	Q3-Q4, Y1	15	a	National Consultant (NC)	MM	2.00	4.00	1.00	1.00	8.00	1,000.00	2,000.00	4,000.00	6,000.00	1,000.00	1,000.00	2,000.00	8,000.00
		31.2	b	DSA, NC	MD	5.00	5.00	25.00	25.00	60.00	70.00	350.00	350.00	700.00	1,750.00	1,750.00	3,500.00	4,200.00
		33	c	Local transport	TD	-	-	30.00	30.00	60.00	50.00	-	-	-	1,500.00	1,500.00	3,000.00	3,000.00
		61	d	Miscellaneous, meeting	Meeting	1.00	1.00	1.00	1.00	4.00	300.00	300.00	300.00	600.00	300.00	300.00	600.00	1,200.00
Sub-total Activity 2.3											2,650.00	4,650.00	7,300.00	4,550.00	4,550.00	9,100.00	16,400.00	
Activity 2.4: To develop standard operating procedures (SOP) for conduct of management operations by different stakeholders	Q1-Q4, Y2	15	a	National Consultant (NC)	MM	-	1.00	-	-	1.00	700.00	-	700.00	700.00	-	-	-	700.00
		31.2	b	DSA,NC	MD	-	5.00	-	40.00	45.00	70.00	-	350.00	350.00	-	2,800.00	2,800.00	3,150.00
		33	c	Local transport	TD	-	-	-	45.00	45.00	50.00	-	-	-	-	2,250.00	2,250.00	2,250.00
		61	d	Miscellaneous, meeting	Meeting	-	-	-	2.00	2.00	300.00	-	-	-	-	600.00	600.00	600.00
Sub-total Activity 2.4											-	1,050.00	1,050.00	-	5,650.00	5,650.00	6,700.00	
Activity 2.5: To establish a suitable funding mechanism to support continued management operations of GSK BR	Q1-Q4, Y2	15	a	National Consultant (NC)	MM	-	-	-	-	-	-	-	-	-	-	-	-	-
		31.2	b	DSA, NC	MD	-	-	-	-	-	-	-	-	-	-	-	-	-
		33	c	Local transport	TD	-	-	-	-	-	-	-	-	-	-	-	-	-
		61	d	Miscellaneous, meeting	Meeting	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-total Activity 2.5																		
Total Output 2											14,870.00	23,150.00	38,020.00	20,500.00	26,150.00	46,650.00	84,670.00	
Output 3: Support of stakeholders on operational management of GSK BR promoted																		
Activity 3.1: To conduct a series of dialogue with stakeholders at sub-district and village levels on potential benefits of biosphere	Q1-Q4, Y1	24	a	Subcontract- No. 4, NGO	Site	15.00	-	-	-	15.00	1,200.00	18,000.00	-	18,000.00	-	-	-	18,000.00
		61	b	Miscellaneous, meeting	Meeting	3.00	-	1.00	-	4.00	300.00	900.00	-	900.00	300.00	-	300.00	1,200.00
Sub-total Activity 3.1											18,900.00	-	18,900.00	300.00	-	300.00	19,200.00	
Activity 3.2: To identify sustainable income generating activities in close consultation with local communities at selected sites	Q1-Q4, Y1		a	Accomplished trough Act. 3.1		-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-total Activity 3.2																		

Output/Activity	Quarter	Budget component	Inputs	Unit	Quantity					Unit Cost	ITTO Contribution			Gol Contribution (Executing+Sinar Mas Forestry)			Grand Total	
					ITTO		GOI		Total		Year 1	Year 2	Total	Year 1	Year 2	Total		
					Year 1	Year 2	Year 1	Year 2	Year 1									Year 2
1	2	3	4	5	6	7	9	10	12	13	14	16	17	18	20	21		
Activity 3.3: To establish demonstration plots for selected income generating activities at selected suitable sites	Q3-Q4, Y1	25	a	Subcontract- No. 5, NGO	Contract	-	1.00	-	2.00	3.00	5,000.00	-	5,000.00	5,000.00	-	10,000.00	10,000.00	15,000.00
	Q1-Q4, Y2	61	b	Miscellaneous, meeting	Meeting	-	1.00	-	-	1.00	300.00	-	300.00	300.00	-	-	-	300.00
Sub-total Activity 3.3																		
Activity 3.4: To train villagers on practical skills for implementing selected income generating activities and for developing CSE of NTFPs	Q1-Q4, Y2	26	a	Subcontract- No. 6, NGO	Session	-	1.00	-	3.00	4.00	3,000.00	-	3,000.00	3,000.00	-	9,000.00	9,000.00	12,000.00
		61	b	Miscellaneous, meeting	Meeting	-	-	-	2.00	2.00	300.00	-	-	-	-	600.00	600.00	600.00
Sub-total Activity 3.4																		
Activity 3.5: To develop and disseminate technical manuals on development of selected income generating activities	Q3-Q4, Y2	15	a	National Consultant (NC)	MM	-	-	-	-	-	-	-	-	-	-	-	-	-
		31.2	b	DSA, NC	MD	-	-	-	-	-	-	-	-	-	-	-	-	-
		33	c	Local transport	TD	-	-	-	-	-	-	-	-	-	-	-	-	-
		61	d	Miscellaneous, meeting	Meeting	-	-	-	-	-	-	-	-	-	-	-	-	-
		62	e	Printing	Copy	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-total Activity 3.5																		
Activity 3.6: To initiate development of legal framework for the utilization of environmental services by private sector in close consultation with main stakeholders	Q3-Q4, Y2	14	a	National Expert (NE)	MM	-	-	-	-	-	-	-	-	-	-	-	-	-
		31.1	b	DSA, NE	MD	-	-	-	-	-	-	-	-	-	-	-	-	-
		32.1	c	Air ticket	Trip	-	-	-	-	-	-	-	-	-	-	-	-	-
		33	d	Local Transport	TD	-	-	-	-	-	-	-	-	-	-	-	-	-
		61	e	Miscellaneous, meeting	Meeting	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-total Activity 3.6																		
Activity 3.7: To launch campaign on GSK BR development through dialogue, production and dissemination of attractive and easy-to-read materials	Q2-Q4, Y2	16	a	Campaign specialist, CS	MM	-	1.00	-	-	1.00	1,500.00	-	1,500.00	1,500.00	-	-	-	1,500.00
		31.4	b	DSA,CS	MD	-	5.00	-	-	5.00	70.00	-	350.00	350.00	-	-	-	350.00
		51	c	Consumables	Year	-	1.00	-	-	1.00	500.00	-	500.00	500.00	-	-	-	500.00
		61	d	Miscellaneous, meeting	Meeting	-	-	-	-	-	-	-	-	-	-	-	-	-
		62	e	Printing of materials	Copy	-	-	-	-	-	-	-	-	-	-	-	-	-
		63	f	Tv,talkshow	Session	-	-	-	-	-	-	-	-	-	-	-	-	-
		64	g	National and Regional dialogue	Session	-	-	-	-	-	-	-	-	-	-	-	-	-
		65	h	Domestic participants	Event	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-total Activity 3.7																		
Total Output 3																		
Total Project cost																		

Output/Activity	Quarter	Budget component	Inputs	Unit	Quantity				Unit Cost	ITTO Contribution			Gol Contribution (Executing+Sinar Mas Forestry)			Grand Total	
					ITTO		GOI			Total	Year 1	Year 2	Total	Year 1	Year 2		Total
					Year 1	Year 2	Year 1	Year 2		Year 1							
1	2	3	4	5	6	7	9	10	12	13	14	16	17	18	20	21	
Non activity based			<u>Key personnel</u>														
		11	a Project Coordinator	MM	12.00	12.00	-	-	24.00	1,500.00	18,000.00	18,000.00	36,000.00	-	-	-	36,000.00
		12	b Project Secretary	MM	12.00	12.00	-	-	24.00	500.00	6,000.00	6,000.00	12,000.00	-	-	-	12,000.00
		13	c Technicians	MM	12.00	12.00	-	-	24.00	800.00	9,600.00	9,600.00	19,200.00	-	-	-	19,200.00
		19	d Field Supervisor	MM	-	-	12.00	12.00	24.00	500.00	-	-	-	6,000.00	6,000.00	12,000.00	12,000.00
			<u>Duty travel</u>														
		31.5	e DSA	Trip	12.00	12.00	16.00	16.00	56.00	70.00	840.00	840.00	1,680.00	1,120.00	1,120.00	2,240.00	3,920.00
		32.1	f Domestic Air ticket	MD	3.00	3.00	4.00	4.00	14.00	250.00	750.00	750.00	1,500.00	1,000.00	1,000.00	2,000.00	3,500.00
		33	g Local transport	Trip	3.00	3.00	4.00	4.00	14.00	50.00	150.00	150.00	300.00	200.00	200.00	400.00	700.00
			<u>Capital Items</u>														
		43	h Operational Vehicle	Unit	-	-	1.00	-	1.00	25,000.00	-	-	-	25,000.00	-	-	25,000.00
		44	i Speed Boat	Unit	-	-	1.00	-	1.00	4,500.00	-	-	-	4,500.00	-	-	4,500.00
		45	j Camera SLR	Set	-	-	2.00	-	2.00	2,500.00	-	-	-	5,000.00	-	-	5,000.00
		46	k In focus	Set	-	-	1.00	-	1.00	1,000.00	-	-	-	1,000.00	-	-	1,000.00
			<u>Office operation</u>														
		47	l Space 40 M2	Month	-	-	12.00	12.00	24.00	600.00	-	-	-	7,200.00	7,200.00	14,400.00	14,400.00
		42	m Furniture	Set	-	-	1.00	-	1.00	5,000.00	-	-	-	5,000.00	-	-	5,000.00
		41	n PC/Notebook	Unit	2.00	-	1.00	-	3.00	600.00	1,200.00	-	1,200.00	600.00	-	600.00	1,800.00
			<u>Consumables</u>														
		52	o Stationaries	Month	8.00	8.00	4.00	4.00	24.00	400.00	3,200.00	3,200.00	6,400.00	1,600.00	1,600.00	3,200.00	9,600.00
		53	p Utilities	Month	8.00	8.00	4.00	4.00	24.00	250.00	2,000.00	2,000.00	4,000.00	1,000.00	1,000.00	2,000.00	6,000.00
			<u>Miscellaneous</u>														
		66	q PSC Meeting	Meeting	1.00	1.00	-	-	2.00	2,000.00	2,000.00	2,000.00	4,000.00	-	-	-	4,000.00
		67	r Financial Audit	Year	1.00	1.00	-	-	2.00	4,000.00	4,000.00	4,000.00	8,000.00	-	-	-	8,000.00
		62	s Report Printing	copy	-	100.00	-	100.00	200.00	15.00	-	1,500.00	1,500.00	-	1,500.00	1,500.00	3,000.00
Total non-activity based											47,740.00	48,040.00	95,780.00	59,220.00	19,620.00	78,840.00	174,620.00
Grand Total Project Cost											114,510.00	95,490.00	210,000.00	162,820.00	77,970.00	240,790.00	450,790.00
ITTO Monitoring and Review													13,214.29				13,214.29
ITTO Programme Support													26,785.71				26,785.71
National Management Cost													-			1,224.00	1,224.00
Grand Total Project Cost													250,000.00			242,014.00	492,014.00

3.4.2. Consolidated yearly budget

Category	Description	Total	Year 1	Year 2
10	Personnel			
11	Project Coordinator	36,000.00	18,000.00	18,000.00
12	Project Secretary	12,000.00	6,000.00	6,000.00
13	Technicians	19,200.00	9,600.00	9,600.00
14	National Expert	13,600.00	5,600.00	8,000.00
15	National Consultant	52,800.00	37,600.00	15,200.00
16	Campaigning specialist	1,500.00	-	1,500.00
17	Operator	3,600.00	-	3,600.00
18	MCB Secretary	12,000.00	6,000.00	6,000.00
19	Field supervisor	12,000.00	6,000.00	6,000.00
	Laborer	2,250.00	2,250.00	-
19	Sub Total	164,950.00	91,050.00	73,900.00
20	Sub Contract			
21	Sub contract No. 1 UN	-	-	-
22	Sub contract No. 2 LEO	-	-	-
23	Sub contract No. 3, UN	18,000.00	6,000.00	12,000.00
24	Sub contract No. 4, NGO	18,000.00	18,000.00	-
25	Sub contract No. 5, NGO	15,000.00	-	15,000.00
26	Sub contract No. 6, NGO	12,000.00	-	12,000.00
29	Sub Total	63,000.00	24,000.00	39,000.00
30	Duty Travel			
31	Daily Subsistence Allowance			
	31.1 DSA National Expert	-	-	-
	31.2 DSA National Consultant	23,520.00	12,670.00	10,850.00
	31.3 DSA Campaigning Specialist	350.00	-	350.00
	31.4 DSA PMU	3,920.00	1,960.00	1,960.00
32	Air Ticket	-	-	-
	32.1 Domestic Air Ticket	4,250.00	1,750.00	2,500.00
33	Local Transport	52,750.00	46,150.00	6,600.00
39	Sub Total	84,790.00	62,530.00	22,260.00
40	Capital Item			
41	Personal computer/Notebook	6,300.00	6,300.00	-
42	Furniture	5,000.00	5,000.00	-
43	Vehicle	25,000.00	25,000.00	-
44	Speed Boat	4,500.00	4,500.00	-
45	Camera SLR	5,000.00	5,000.00	-
46	In-focus	1,000.00	1,000.00	-
47	Space 40m ²	14,400.00	7,200.00	7,200.00
49	Sub Total	61,200.00	54,000.00	7,200.00
50	Consummable item			
51	Consumable	20,000.00	13,500.00	6,500.00
52	Stationary	9,600.00	4,800.00	4,800.00
53	Utilities	6,000.00	3,000.00	3,000.00
54	Provider rental	1,350.00	450.00	900.00
55	Satelite imagery	2,000.00	2,000.00	-
59	Sub Total	38,950.00	23,750.00	15,200.00
60	Miscellaneous			
61	Meeting	21,300.00	15,200.00	6,100.00
62	Printing	3,000.00	-	3,000.00
63	TV Talkshow	-	-	-
64	National and Regional Dialog	-	-	-
65	Domestic participant	-	-	-
66	PSC Meeting	4,000.00	2,000.00	2,000.00
67	Financial Audit	8,000.00	4,000.00	4,000.00
68	MCB Quarterly meeting	1,600.00	800.00	800.00
69	Sub Total	37,900.00	22,000.00	15,900.00
	Total Project Cost	450,790.00	277,330.00	173,460.00
70	National Management Cost	1,224.00		
80	Project Monitoring and administration			
81	ITTO monitoring and Review	13,214		
82	ITTO Programme support	26,786		
89	Total Project Monitoring and Administration	40,000.00		
100	GRANT TOTAL	492,014.00		

3.4.3. ITTO yearly budget

Category	Description	Total	Year 1	Year 2
10	Personnel			
11	Project Coordinator	36,000.00	18,000.00	18,000.00
12	Project Secretary	12,000.00	6,000.00	6,000.00
13	Technicians	19,200.00	9,600.00	9,600.00
14	National Expert	8,800.00	4,000.00	4,800.00
15	National Consultant	33,400.00	20,600.00	12,800.00
16	Campaigning specialist	1,500.00	-	1,500.00
17	Operator	-	-	-
18	MCB Secretary	-	-	-
19	Field supervisor	-	-	-
	Laborer	-	-	-
19	Sub Total	110,900.00	58,200.00	52,700.00
20	Sub Contract	-	-	-
21	Sub contract No. 1 UN	-	-	-
22	Sub contract No. 2 LEO	-	-	-
23	Sub contract No. 3, UN	18,000.00	6,000.00	12,000.00
24	Sub contract No. 4, NGO	18,000.00	18,000.00	-
25	Sub contract No. 5, NGO	5,000.00	-	5,000.00
26	Sub contract No. 6, NGO	3,000.00	-	3,000.00
29	Sub Total	44,000.00	24,000.00	20,000.00
30	Duty Travel			
31	Daily Subsistence Allowance			
	31.1 DSA National Expert	-	-	-
	31.2 DSA National Consultant	4,270.00	2,520.00	1,750.00
	31.3 DSA Campaigning Specialist	350.00	-	350.00
	31.4 DSA PMU	1,680.00	840.00	840.00
32	Air Ticket			
	32.1 Domestic Air Ticket	2,250.00	750.00	1,500.00
33	Local Transport	300.00	150.00	150.00
39	Sub Total	8,850.00	4,260.00	4,590.00
40	Capital Item			
41	Personal computer/Notebook	2,700.00	2,700.00	-
42	Furniture	-	-	-
43	Vehicle	-	-	-
44	Speed Boat	-	-	-
45	Camera SLR	-	-	-
46	In-focus	-	-	-
47	Space 40m ²	-	-	-
49	Sub Total	2,700.00	2,700.00	-
50	Consummable item			
51	Consumable	11,500.00	8,000.00	3,500.00
52	Stationary	6,400.00	3,200.00	3,200.00
53	Utilities	4,000.00	2,000.00	2,000.00
54	Provider rental	1,350.00	450.00	900.00
55	Satellite imagery	-	-	-
59	Sub Total	23,250.00	13,650.00	9,600.00
60	Miscellaneous			
61	Meeting	6,800.00	5,700.00	1,100.00
62	Printing	1,500.00	-	1,500.00
63	TV Talkshow	-	-	-
64	National and Regional Dialog	-	-	-
65	Domestic participant	-	-	-
66	PSC Meeting	4,000.00	2,000.00	2,000.00
67	Financial Audit	8,000.00	4,000.00	4,000.00
68	MCB Quarterly meeting	-	-	-
69	Sub Total	20,300.00	11,700.00	8,600.00
	Total Project Cost	210,000.00	114,510.00	95,490.00
70	National Management Cost		See Executing agency budget	
80	Project Monitoring and administration			
81	ITTO monitoring and Review	13,214		
82	ITTO Programme support (total project cost+81)x12%	26,786		
89	Total Project Monitoring and Administration	40,000		
100	GRANT TOTAL	250,000		

3.4.4. Sinarmas Forestry & Partners yearly budget

Category	Description	Total	Year 1	Year 2
10	Personnel			
13	Technicians	-	-	-
14	National Expert	4,800.00	1,600.00	3,200.00
15	National Consultant	19,400.00	17,000.00	2,400.00
17	Operator	3,600.00	-	3,600.00
18	MCB Secretary	12,000.00	6,000.00	6,000.00
19	Field supervisor	12,000.00	6,000.00	6,000.00
	Laborer	2,250.00	2,250.00	-
19	Sub Total	54,050.00	32,850.00	21,200.00
20	Sub Contract			
21	Sub contract No. 1 UN	-	-	-
22	Sub contract No. 2 LEO	-	-	-
25	Sub contract No. 5, NGO	10,000.00	-	10,000.00
26	Sun contract No. 6, NGO	9,000.00	-	9,000.00
29	Sub Total	19,000.00	-	19,000.00
30	Duty Travel			
31	Daily Subsistence Allowance			
	31.1 DSA National Expert	-	-	-
	31.2 DSA National Consultant	19,250.00	10,150.00	9,100.00
	31.4 DSA PMU	2,240.00	1,120.00	1,120.00
32	Air Ticket			
	32.1 Domestic Air Ticket	2,000.00	1,000.00	1,000.00
33	Local Transport	52,450.00	46,000.00	6,450.00
39	Sub Total	75,940.00	58,270.00	17,670.00
40	Capital Item			
41	Personal computer/Notebook	3,600.00	3,600.00	-
43	Vehicle	25,000.00	25,000.00	-
44	Speed Boat	4,500.00	4,500.00	-
45	Camera SLR	5,000.00	5,000.00	-
46	In-focus	1,000.00	1,000.00	-
47	Space 40m ²	14,400.00	7,200.00	7,200.00
49	Sub Total	53,500.00	46,300.00	7,200.00
50	Consummable item			
51	Consumable	8,500.00	5,500.00	3,000.00
55	Satelite imagery	2,000.00	2,000.00	-
59	Sub Total	10,500.00	7,500.00	3,000.00
60	Miscellaneous			
61	Meeting	14,500.00	9,500.00	5,000.00
62	Printing	1,500.00	-	1,500.00
63	TV Talkshow	-	-	-
64	National and Regional Dialog	-	-	-
65	Domestic participant	-	-	-
68	MCB Quarterly meeting	1,600.00	800.00	800.00
69	Sub Total	17,600.00	10,300.00	7,300.00
	Total Project Cost	230,590.00	155,220.00	75,370.00
70	National Management Cost		See Executing agency budget	
80	Project Monitoring and administration			
81	ITTO monitoring and Review	-		
82	ITTO Programme support	-		
89	Total Project Monitoring and Administration	-		
100	GRANT TOTAL	230,590.00		

3.4.5 Executing Agency yearly budget (Gol)

Category	Description	Total	Year 1	Year 2
10	Personnel			
13	Technicians	-	-	-
14	National Expert	-	-	-
19	Sub Total	-	-	-
20	Sub Contract			
29	Sub Total	-	-	-
30	Duty Travel			
39	Sub Total	-	-	-
40	Capital Item			
42	Furniture	5,000.00	5,000.00	-
49	Sub Total	5,000.00	5,000.00	-
50	Consummable item			
52	Stationary	3,200.00	1,600.00	1,600.00
53	Utilities	2,000.00	1,000.00	1,000.00
59	Sub Total	5,200.00	2,600.00	2,600.00
60	Miscellaneous			
69	Sub Total	-	-	-
Total project cost		10,200.00	7,600.00	2,600.00
70	National Management Cost	1,224.00		
80	Project Monitoring and administration			
81	ITTO monitoring and Review	-		
82	ITTO Programme support	-		
89	Total Project Monitoring and Administration	-		
GRANT TOTAL		11,424.00		

3.5 Budget-Phase II

3.5.1. Master budget schedule

Output/Activity	Quarter	Budget component	Inputs	Unit	Quantity			Unit Cost	ITTO Contribution		Gol Contribution (Executing+Sinar Mas Forestry)		Grand Total	
					ITTO	GOI	Total		Year 3	Total	Year 3	Total		
					Year 3	Year 3								
1	2	3	4	5	7	10		12	14	16	18	20	21	
Output 1 : Planning framework GSKBR														
Activity 1.1.: To organization focus group discussion on Planning framework GSKBR involving concerned authorities		15 31.2 33 51	a b c d	National Consultant (NC) DSA, NC Local Transport Consumable	MM MD TD Package	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	
Sub-total Activity 1.1									-	-	-	-	-	
Activity 1.2: To affirm sustainable forest function on GSKBR involving forestry authorities and main stakeholders		15 31.2 1.10 56 51 33 51 61	a b c d e f g h	National Consultant (NC) DSA, NC Laborer Satellite imagery Consumable Local transport Stakeholder consultation Miscellaneous, meeting	MM MD MD Scane Package Month Meeting Paclage	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	
Sub-total Activity 1.2									-	-	-	-	-	
Activity 1.3: To review and update biophysical and socio-economic data on bios phere reserve		15 31.2 33 51 61	a b c d e	National Consultant (NC) DSA, NC Local transport Consumable Miscellaneous, meeting	MM MD TD Paclage Paclage	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	
Sub-total Activity 1.3									-	-	-	-	-	
Activity 1.4: To Install and operate a database system for the bios phare reserve	Q1-Q4,Y3	14 41 54 17 61	a b c d e	National Expert (NE) PC/Notebook and Facitilies Provider Rental Operator Miscellaneous, meeting	MM Set Package MM Paclage	7.00 - 1.00 - 1.00	4.00 - - 12.00 1.00	11.00 - 1.00 12.00 2.00	800.00 1,500.00 900.00 300.00 200.00	5,600.00 - 900.00 - 200.00	5,600.00 - 900.00 - 200.00	3,200.00 - - 3,600.00 200.00	3,200.00 - - 3,600.00 200.00	8,800.00 - 900.00 3,600.00 400.00
Sub-total Activity 1.4									6,700.00	6,700.00	7,000.00	7,000.00	13,700.00	

Output/Activity	Quarter	Budget component		Inputs	Unit	Quantity			Unit Cost	ITTO Contribution		Gol Contribution (Executing+Sinar Mas Forestry)		Grand Total
						ITTO	GOI	Total		Year 3	Total	Year 3	Total	
						Year 3	Year 3							
1	2	3		4	5	7	10		12	14	16	18	20	21
Activity 1.5.: To formulate ISMP with the assistance of competent professionals		15	a	National Consultant (NC)	MM	6.00	-	6.00	1,200.00	7,200.00	7,200.00	-	-	7,200.00
	Q1-Q4,Y3	31.2	b	DSA, NC	MD	15.00	-	15.00	70.00	1,050.00	1,050.00	-	-	1,050.00
		32.1	c	Airticket	Trip	3.00	-	3.00	250.00	750.00	750.00	-	-	750.00
		33	d	Local Transport	TD	15.00	-	15.00	50.00	750.00	750.00	-	-	750.00
		61	e	Miscellaneous, meeting	Package	3.00	-	3.00	300.00	900.00	900.00	-	-	900.00
Sub-total Activity 1.5										10,650.00	10,650.00	-	-	10,650.00
Activity 1.6: To conduct consultation with general stakeholders on draft ISMP	Q1-Q4,Y3	21	a	Subcontract- No. 1, UN	Event	1.00	2.00	3.00	5,000.00	4,000.00	4,000.00	10,000.00	10,000.00	14,000.00
		61	b	Miscellaneous, meeting	Package	3.00	1.00	4.00	300.00	900.00	900.00	300.00	300.00	1,200.00
Sub-total Activity 1.6										4,900.00	4,900.00	10,300.00	10,300.00	15,200.00
Activity 1.7: To organize one national workshop on GSK BR biosphere management status and adoption of ISMP	Q1-Q4,Y3	22	a	Subcontract- No. 2, LEO	Contract	1.00	0.50	1.50	6,000.00	6,000.00	6,000.00	3,000.00	3,000.00	9,000.00
		61	b	Miscellaneous, meeting	Package	3.00	1.00	4.00	300.00	900.00	900.00	300.00	300.00	1,200.00
		62	c	Printing of ISMP document	Copy	4.00	150.00	154.00	25.00	100.00	100.00	3,750.00	3,750.00	3,850.00
Sub-total Activity 1.7										7,000.00	7,000.00	7,050.00	7,050.00	14,050.00
Total Output 1										29,250.00	29,250.00	24,350.00	24,350.00	53,600.00
Output 2: Institutional capacity to manage GSK BR strengthened														
Activity 2.1: To make existing management coordinating board functioning well through development of an operational plan and provision of needed resources		15	a	National Consultant (NC)	MM	7.00	3.00	10.00	700.00	4,900.00	4,900.00	2,100.00	2,100.00	7,000.00
	Q1-Q4,Y3	31.2	b	DSA, NC	MD	20.00	-	20.00	70.00	1,400.00	1,400.00	-	-	1,400.00
		51	c	Consumable	Package	6.00	6.00	12.00	500.00	3,000.00	3,000.00	3,000.00	3,000.00	6,000.00
		19	d	MCB Secretary	Package	-	12.00	12.00	500.00	-	-	6,000.00	6,000.00	6,000.00
		61	e	Miscellaneous, meeting	Package	-	4.00	4.00	600.00	-	-	2,400.00	2,400.00	2,400.00
		68	f	MCB Quarterly meeting	Month	-	4.00	4.00	200.00	-	-	800.00	800.00	800.00
Sub-total Activity 2.1										9,300.00	9,300.00	14,300.00	14,300.00	23,600.00
Activity 2.2: To train sufficient number of professional on biosphere management related skills		23	a	Sub contract - No. 3, UN	Contract	-	-	-	-	-	-	-	-	-
		61	b	Miscellaneous, meeting	Meeting	-	-	-	-	-	-	-	-	-
Sub-total Activity 2.2.										-	-	-	-	-

Output/Activity	Quarter	Budget component		Inputs	Unit	Quantity			Unit Cost	ITTO Contribution		Gol Contribution (Executing+Sinar Mas Forestry)		Grand Total
						ITTO	GOI	Total		Year 3	Total	Year 3	Total	
						Year 3	Year 3							
1	2	3		4	5	7	10		12	14	16	18	20	21
Activity 2.3: To formulate and adopt protocols on biosphere management operations		15	a	National Consultant (NC)	MM	2.00	-	2.00	1,200.00	2,400.00	2,400.00	-	-	2,400.00
	Q1-Q2,Y3	31.2	b	DSA, NC	MD	5.00	-	5.00	70.00	350.00	350.00	-	-	350.00
		33	c	Local transport	TD	5.00	-	5.00	50.00	250.00	250.00	-	-	250.00
		61	d	Miscellaneous, meeting	Meeting	1.00	-	1.00	300.00	300.00	300.00	-	-	300.00
Sub-total Activity 2.3										3,300.00	3,300.00	-	-	3,300.00
Activity 2.4: To develop standard operating procedures (SOP) for conduct of management operations by different stakeholders		15	a	National Consultant (NC)	MM	6.00	-	6.00	1,200.00	7,200.00	7,200.00	-	-	7,200.00
	Q1-Q4,Y3	31.2	b	DSA,NC	MD	20.00	-	20.00	70.00	1,400.00	1,400.00	-	-	1,400.00
		33	c	Local transport	TD	-	20.00	20.00	50.00	-	-	1,000.00	1,000.00	1,000.00
		61	d	Miscellaneous, meeting	Meeting	2.00	2.00	4.00	300.00	600.00	600.00	600.00	600.00	1,200.00
Sub-total Activity 2.4										9,200.00	9,200.00	1,600.00	1,600.00	10,800.00
Activity 2.5: To establish a suitable funding mechanism to support continued management operations of GSK BR		15	a	National Consultant (NC)	MM	6.00	-	6.00	1,000.00	6,000.00	6,000.00	-	-	6,000.00
	Q1-Q4,Y3	31.2	b	DSA, NC	MD	25.00	-	25.00	70.00	1,750.00	1,750.00	-	-	1,750.00
		33	c	Local transport	TD	-	20.00	30.00	50.00	-	-	1,000.00	1,000.00	1,000.00
		61	d	Miscellaneous, meeting	Meeting	2.00	1.00	3.00	300.00	600.00	600.00	300.00	300.00	900.00
Sub-total Activity 2.5										8,350.00	8,350.00	1,300.00	1,300.00	9,650.00
Total Output 2										30,150.00	30,150.00	17,200.00	17,200.00	47,350.00
Output 3: Support of stakeholders on operational management of GSK BR promoted														
Activity 3.1: To conduct a series of dialogue with stakeholders at sub-district and village levels on potential benefits of biosphere		24	a	Subcontract- No. 4, NGO	Site	-	-	-	-	-	-	-	-	-
		61	b	Miscellaneous, meeting	Meeting	-	-	-	-	-	-	-	-	-
Sub-total Activity 3.1										-	-	-	-	-
Activity 3.2: To identify sustainable income generating activities in close consultation with local communities at selected sites			a	Accomplished trough Act.		-	-	-	-	-	-	-	-	-
				3.1		-	-	-	-	-	-	-	-	-
Sub-total Activity 3.2										-	-	-	-	-

Output/Activity	Quarter	Budget component		Inputs	Unit	Quantity			Unit Cost	ITTO Contribution		Gol Contribution (Executing+Sinar Mas Forestry)		Grand Total
						ITTO	GOI	Total		Year 3	Total	Year 3	Total	
						Year 3	Year 3							
1	2	3		4	5	7	10		12	14	16	18	20	21
Activity 3.3: To establish demonstration plots for selected income generating activities at selected suitable sites	Q1-Q2,Y3	25	a	Subcontract- No. 5, NGO	Contract	2.00	2.00	4.00	7,000.00	14,000.00	14,000.00	14,000.00	14,000.00	28,000.00
		61	b	Miscellaneous, meeting	Meeting	1.00	-	1.00	300.00	300.00	300.00	-	-	300.00
Sub-total Activity 3.3										14,300.00	14,300.00	14,000.00	14,000.00	28,300.00
Activity 3.4: To train villagers on practical skills for implementing selected income generating activities and for developing CSE of NTFPs	Q1-Q2,Y3	26	a	Subcontract- No. 6, NGO	Session	3.00	3.00	6.00	4,000.00	12,000.00	12,000.00	12,000.00	12,000.00	24,000.00
		61	b	Miscellaneous, meeting	Meeting	-	2.00	2.00	300.00	-	-	600.00	600.00	600.00
Sub-total Activity 3.4										12,000.00	12,000.00	12,600.00	12,600.00	24,600.00
Activity 3.5: To develop and disseminate technical manuals on development of selected income generating activities	Q1-Q4,Y3	15	a	National Consultant (NC)	MM	5.00	-	5.00	1,000.00	5,000.00	5,000.00	-	-	5,000.00
		31.2	b	DSA, NC	MD	30.00	-	30.00	70.00	2,100.00	2,100.00	-	-	2,100.00
		33	c	Local transport	TD	-	30.00	30.00	50.00	-	-	1,500.00	1,500.00	1,500.00
		61	d	Miscellaneous, meeting	Meeting	2.00	1.00	3.00	300.00	600.00	600.00	300.00	300.00	900.00
		62	e	Printing	Copy	144.00	-	144.00	10.00	1,440.00	1,440.00	-	-	1,440.00
Sub-total Activity 3.5									9,140.00	9,140.00	1,800.00	1,800.00	10,940.00	
Activity 3.6: To initiate development of legal framework for the utilization of environmental services by private sector in close consultation with main stakeholders	Q1-Q4,Y3	14	a	National Expert (NE)	MM	5.00	3.00	8.00	1,000.00	5,000.00	5,000.00	3,000.00	3,000.00	8,000.00
		31.1	b	DSA, NE	MD	27.00	-	27.00	70.00	1,890.00	1,890.00	-	-	1,890.00
		32.1	c	Air ticket	Trip	15.00	-	15.00	250.00	3,750.00	3,750.00	-	-	3,750.00
		33	d	Local Transport	TD	-	27.00	27.00	50.00	-	-	1,350.00	1,350.00	1,350.00
		61	e	Miscellaneous, meeting	Meeting	3.00	2.00	5.00	300.00	900.00	900.00	600.00	600.00	1,500.00
Sub-total Activity 3.6									11,540.00	11,540.00	4,950.00	4,950.00	16,490.00	
Activity 3.7: To launch campaign on GSK BR development through dialogue, production and dissemination of attractive and easy-to-read materials	Q1-Q4,Y3	16	a	Campaign specialist, CS	MM	5.00	-	5.00	1,200.00	6,000.00	6,000.00	-	-	6,000.00
		31.4	b	DSA,CS	MD	30.00	-	30.00	70.00	2,100.00	2,100.00	-	-	2,100.00
		51	c	Consumables	Year	2.00	-	2.00	2,000.00	4,000.00	4,000.00	-	-	4,000.00
		61	d	Miscellaneous, meeting	Meeting	3.00	3.00	6.00	300.00	900.00	900.00	900.00	900.00	1,800.00
		62	e	Printing of materials	Copy	1,000.00	900.00	1,900.00	10.00	10,000.00	10,000.00	9,000.00	9,000.00	19,000.00
		63	f	Tv,talkshow	Session	1.00	2.00	3.00	8,000.00	8,000.00	8,000.00	16,000.00	16,000.00	24,000.00
		64	g	National and Regional dialogue	Session	4.00	2.00	6.00	3,000.00	12,000.00	12,000.00	6,000.00	6,000.00	18,000.00
		65	h	Domestic participants	Event	4.00	2.00	6.00	2,500.00	10,000.00	10,000.00	5,000.00	5,000.00	15,000.00
Sub-total Activity 3.7									53,000.00	53,000.00	36,900.00	36,900.00	89,900.00	
Total Output 3										99,980.00	99,980.00	70,250.00	70,250.00	170,230.00

Total Project cost												159,380.00	159,380.00	111,800.00	111,800.00	271,180.00
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Output/Activity	Quarter	Budget component	Inputs	Unit	Quantity			Unit Cost	ITTO Contribution		Gol Contribution (Executing+Sinar Mas Forestry)		Grand Total			
					ITTO	GOI	Total		Year 3	Total	Year 3	Total				
					Year 3	Year 3										
1	2	3	4	5	7	10		12	14	16	18	20	21			
Non activity based			<u>Key personnel</u>													
		11	a	Project Coordinator	MM	12.00	-	12.00	1,500.00	18,000.00	18,000.00	-	-	18,000.00		
		12	b	Project Secretary	MM	12.00	-	12.00	500.00	6,000.00	6,000.00	-	-	6,000.00		
		13	c	Technicians	MM	12.00	-	12.00	800.00	9,600.00	9,600.00	-	-	9,600.00		
		19	d	Field Supervisor	MM	-	12.00	12.00	500.00	-	-	6,000.00	6,000.00	6,000.00		
				<u>Duty travel</u>												
		31.5	e	DSA	Trip	30.00	16.00	46.00	70.00	2,100.00	2,100.00	1,120.00	1,120.00	3,220.00		
		32.1	f	Domestic Air ticket	MD	6.00	4.00	10.00	250.00	1,500.00	1,500.00	1,000.00	1,000.00	2,500.00		
		33	g	Local transport	Trip	6.00	4.00	10.00	50.00	300.00	300.00	200.00	200.00	500.00		
				<u>Capital Items</u>												
		43	h	Operational Vehicle	Unit	-	-	-	-	-	-	-	-	-		
		44	i	Speed Boat	Unit	-	-	-	-	-	-	-	-	-		
		45	j	Camera SLR	Set	-	-	-	-	-	-	-	-	-		
		46	k	In focus	Set	-	-	-	-	-	-	-	-	-		
				<u>Office operation</u>												
		47	l	Space 40 M2	Month	-	12.00	12.00	600.00	-	-	7,200.00	7,200.00	7,200.00		
		42	m	Furniture	Set	-	-	-	-	-	-	-	-	-		
		41	n	PC/Notebook	Unit	-	-	-	-	-	-	-	-	-		
				<u>Consumables</u>												
		52	o	Stationaries	Month	8.00	4.00	12.00	400.00	3,200.00	3,200.00	1,600.00	1,600.00	4,800.00		
		53	p	Utilities	Month	8.00	4.00	12.00	250.00	2,000.00	2,000.00	1,000.00	1,000.00	3,000.00		
				<u>Miscellaneous</u>												
		66	q	PSC Meeting	Meeting	1.00	-	1.00	2,000.00	2,000.00	2,000.00	-	-	2,000.00		
		67	r	Financial Audit	Year	1.00	-	1.00	4,000.00	4,000.00	4,000.00	-	-	4,000.00		
		62	s	Report Printing	copy	99.00	100.00	199.00	15.00	1,485.00	1,485.00	1,500.00	1,500.00	2,985.00		
Total non-activity based										50,185.00	50,185.00	19,620.00	19,620.00	69,805.00		
Grand Total Project Cost										209,565.00	209,565.00	131,420.00	131,420.00	340,985.00		
ITTO Monitoring and Review											12,001.07		-	12,001.07		
ITTO Programme Support											26,587.93		-	26,587.93		
National Management Cost											-		672.00	672.00		
Grand Total Project Cost											248,154.00		132,092.00	380,246.00		

3,5,2, Consolidated yearly budget

Category	Description	Total	Year 3
10	Personnel		
11	Project Coordinator	18,000.00	18,000.00
12	Project Secretary	6,000.00	6,000.00
13	Technicians	9,600.00	9,600.00
14	National Expert	16,800.00	16,800.00
15	National Consultant	34,800.00	34,800.00
16	Campaigning specialist	6,000.00	6,000.00
17	Operator	3,600.00	3,600.00
18	MCB Secretary	6,000.00	6,000.00
19	Field supervisor	6,000.00	6,000.00
	Laborer	-	-
19	Sub Total	106,800.00	106,800.00
20	Sub Contract		
		-	-
21	Sub contract No. 1 UN	14,000.00	14,000.00
22	Sub contract No. 2 LEO	9,000.00	9,000.00
23	Sub contract No. 3, UN	-	-
24	Sub contract No. 4, NGO	-	-
25	Sub contract No. 5, NGO	28,000.00	28,000.00
26	Sun contract No. 6, NGO	24,000.00	24,000.00
29	Sub Total	75,000.00	75,000.00
30	Duty Travel		
31	Daily Subsistence Allowance		
	31.1 DSA National Expert	1,890.00	1,890.00
	31.2 DSA National Consultant	8,050.00	8,050.00
	31.3 DSA Campaigning Specialist	2,100.00	2,100.00
	31.4 DSA PMU	3,220.00	3,220.00
32	Air Ticket		-
	32.1 Domestic Air Ticket	7,000.00	7,000.00
33	Local Transport	6,350.00	6,350.00
39	Sub Total	28,610.00	28,610.00
40	Capital Item		
41	Personal computer/Notebook	-	-
42	Furniture	-	-
43	Vehicle	-	-
44	Speed Boat	-	-
45	Camera SLR	-	-
46	In-focus	-	-
47	Space 40m ²	7,200.00	7,200.00
49	Sub Total	7,200.00	7,200.00
50	Consummable item		
51	Consumable	10,000.00	10,000.00
52	Stationary	4,800.00	4,800.00
53	Utilities	3,000.00	3,000.00
54	Provider rental	900.00	900.00
55	Satellite imagery	-	-
59	Sub Total	18,700.00	18,700.00
60	Miscellaneous		
61	Meeting	13,600.00	13,600.00
62	Printing	27,275.00	27,275.00
63	TV Talkshow	24,000.00	24,000.00
64	National and Regional Dialog	18,000.00	18,000.00
65	Domestic participant	15,000.00	15,000.00
66	PSC Meeting	2,000.00	2,000.00
67	Financial Audit	4,000.00	4,000.00
68	MCB Quarterly meeting	800.00	800.00
69	Sub Total	104,675.00	104,675.00
	Total Project Cost	340,985.00	340,985.00
70	National Management Cost	672.00	
80	Project Monitoring and administration		
81	ITTO monitoring and Review	12,001.07	
82	ITTO Programme support	26,587.93	
89	Total Project Monitoring and Administration	38,589.00	
100	GRANT TOTAL	380,246.00	

3.5.3. ITTO yearly budget

Category	Description	Total	Year 3
10	Personnel		
11	Project Coordinator	18,000.00	18,000.00
12	Project Secretary	6,000.00	6,000.00
13	Technicians	9,600.00	9,600.00
14	National Expert	10,600.00	10,600.00
15	National Consultant	32,700.00	32,700.00
16	Campaigning specialist	6,000.00	6,000.00
17	Operator	-	-
18	MCB Secretary	-	-
19	Field supervisor	-	-
	Laborer	-	-
19	Sub Total	82,900.00	82,900.00
20	Sub Contract		
21	Sub contract No. 1 UN	4,000.00	4,000.00
22	Sub contract No. 2 LEO	6,000.00	6,000.00
23	Sub contract No. 3, UN	-	-
24	Sub contract No. 4, NGO	-	-
25	Sub contract No. 5, NGO	14,000.00	14,000.00
26	Sub contract No. 6, NGO	12,000.00	12,000.00
29	Sub Total	36,000.00	36,000.00
30	Duty Travel		
31	Daily Subsistence Allowance		
	31.1 DSA National Expert	1,890.00	1,890.00
	31.2 DSA National Consultant	8,050.00	8,050.00
	31.3 DSA Campaigning Specialist	2,100.00	2,100.00
	31.4 DSA PMU	2,100.00	2,100.00
32	Air Ticket		
	32.1 Domestic Air Ticket	6,000.00	6,000.00
33	Local Transport	1,300.00	1,300.00
39	Sub Total	21,440.00	21,440.00
40	Capital Item		
41	Personal computer/Notebook	-	-
42	Furniture	-	-
43	Vehicle	-	-
44	Speed Boat	-	-
45	Camera SLR	-	-
46	In-focus	-	-
47	Space 40m ²	-	-
49	Sub Total	-	-
50	Consumable item		
51	Consumable	7,000.00	7,000.00
52	Stationary	3,200.00	3,200.00
53	Utilities	2,000.00	2,000.00
54	Provider rental	900.00	900.00
55	Satellite imagery	-	-
59	Sub Total	13,100.00	13,100.00
60	Miscellaneous		
61	Meeting	7,100.00	7,100.00
62	Printing	13,025.00	13,025.00
63	TV Talkshow	8,000.00	8,000.00
64	National and Regional Dialog	12,000.00	12,000.00
65	Domestic participant	10,000.00	10,000.00
66	PSC Meeting	2,000.00	2,000.00
67	Financial Audit	4,000.00	4,000.00
68	MCB Quarterly meeting	-	-
69	Sub Total	56,125.00	56,125.00
Total Project Cost		209,565.00	209,565.00
70	National Management Cost		
80	Project Monitoring and administration		
81	ITTO monitoring and Review	12,001	
82	ITTO Programme support (total project cost+81)x12%	26,588	
89	Total Project Monitoring and Administration	38,589.00	
100	GRANT TOTAL	248,154.00	

3.5.4. Sinarmas Forestry & Partners yearly budget

Category	Description	Total	Year 3
10	Personnel		
13	Technicians	-	-
14	National Expert	3,200.00	3,200.00
15	National Consultant	2,100.00	2,100.00
17	Operator	3,600.00	3,600.00
18	MCB Secretary	6,000.00	6,000.00
19	Field supervisor	6,000.00	6,000.00
	Laborer	-	-
19	Sub Total	20,900.00	20,900.00
20	Sub Contract		
21	Sub contract No. 1 UN	10,000.00	10,000.00
22	Sub contract No. 2 LEO	3,000.00	3,000.00
25	Sub contract No. 5, NGO	14,000.00	14,000.00
26	Sub contract No. 6, NGO	12,000.00	12,000.00
29	Sub Total	39,000.00	39,000.00
30	Duty Travel		
31	Daily Subsistence Allowance		
	31.1 DSA National Expert	-	-
	31.2 DSA National Consultant	-	-
	31.4 DSA PMU	1,120.00	1,120.00
32	Air Ticket		
	32.1 Domestic Air Ticket	1,000.00	1,000.00
33	Local Transport	5,050.00	5,050.00
39	Sub Total	7,170.00	7,170.00
40	Capital Item		
41	Personal computer/Notebook	-	-
43	Vehicle	-	-
44	Speed Boat	-	-
45	Camera SLR	-	-
46	In-focus	-	-
47	Space 40m ²	7,200.00	7,200.00
49	Sub Total	7,200.00	7,200.00
50	Consummable item		
51	Consumable	3,000.00	3,000.00
55	Satelite imagery	-	-
59	Sub Total	3,000.00	3,000.00
60	Miscellaneous		
61	Meeting	6,500.00	6,500.00
62	Printing	14,250.00	14,250.00
63	TV Talkshow	16,000.00	16,000.00
64	National and Regional Dialog	6,000.00	6,000.00
65	Domestic participant	5,000.00	5,000.00
68	MCB Quarterly meeting	800.00	800.00
69	Sub Total	48,550.00	48,550.00
	Total Project Cost	125,820.00	125,820.00
70	National Management Cost		
80	Project Monitoring and administration		
81	ITTO monitoring and Review	-	-
82	ITTO Programme support (70+91+92)x12%	-	-
89	Total Project Monitoring and Administration	-	-
100	GRANT TOTAL	125,820.00	

3.5.5 Executing Agency yearly budget (Gol)

Category	Description	Total	Year 3
10	Personnel		
13	Technicians	-	-
14	National Expert	3,000.00	3,000.00
19	Sub Total	3,000.00	3,000.00
20	Sub Contract		
29	Sub Total	-	-
30	Duty Travel		
39	Sub Total	-	-
40	Capital Item		
42	Furniture	-	-
49	Sub Total	-	-
50	Consummable item		
52	Stationary	1,600.00	1,600.00
53	Utilities	1,000.00	1,000.00
59	Sub Total	2,600.00	2,600.00
60	Miscellaneous		
69	Sub Total	-	-
Total project cost		5,600.00	5,600.00
70	National Management Cost	672.00	
80	Project Monitoring and administration		
81	ITTO monitoring and Review	-	
82	ITTO Programme support (70+91+92)x12%	-	
89	Total Project Monitoring and Administration	-	
GRANT TOTAL		6,272.00	

Notes on budget revision

The project duration is divided into two phases. Phase I is for 24 months and Phase II is for 12 months, therefore the allocation budget has been revised as follows:

- i. Total ITTO's contributions is 498,154, consisting of phase I US\$ 250,000 and phase II US\$ 248,154
- ii. Total GOL's total contribution is US\$ 374,106, consisting of phase I US\$ 242,014 and Phase II US\$ 132,092
- iii. The total project budget in Phase I is now US\$ 492,014, comprising US\$ 250,000 of ITTO contribution and US\$ 242,014 of GOL's, respectively. The remaining 380,246 is allocated for Phase II, comprising US\$ 248,154 of ITTO contribution and US\$ 132,092 of GOL's
- iv. ITTO Programme support cost 12% for Phase I and II has been recalculated in the budget.

3.6. Assumption, risk and sustainability

3.6.1. Assumption and risks

The specific objective of this project is to initiate an effective implementation of sustainable management and conservation of the reserve through enhanced planning framework, enhanced institutional capacity and increased support by stakeholders. Defined project outputs will be delivered through the full execution of planned activities under each output. It is noted that implementation of the planned activities is pretty much under the full control of the project management team (PMT), thus entails very little risk, provided that a sound implementation strategy is developed and pursued.

Achievement of the specific objective is subject to the status of formulated ISMP; if the ISMP is adopted and disseminated; it is ready for implementation and the specific objective is achieved. Adoption of the ISMP, however, is the domain of the provincial and district governments; it is beyond the control of the PMT, thus obviously involves risks. In order the project contributes to realizing the reserve management objectives, adopted ISMP should be fully used to guide management operations. Implementation of ISMP, however, requires the full support by the provincial and district governments through adoption of appropriate policy initiatives and allocation of sufficient resources for law enforcement; otherwise achievement of the development objective could be compromised due to, for instance, inconsistent district spatial planning and occurrence of forest encroachment as well as illegal occupation.

Above information indicates that the potential risk of the project is weak support of the government at the provincial and district levels on the adoption and implementation of the ISMP. The mitigating measures for coping the risks are:

- To obtain authentic proof of support from stakeholders group reached during the public consultation process
- To convince the provincial and district governments that adoption of the ISMP is supported by stakeholders
- To assure the district governments, through continued consultation, that adoption of the supportive policy initiatives are required for adequate implementation of the ISMP
- The district governments must always involve the project in spatial planning process and allocate sufficient resources for law enforcement to control deforestation and forest degradation

Monitoring of the risk will be carried out through periodical consultation with concerned government authorities and insider contacts in order to detect development in decision making process that may affect management conduct of the reserve.

3.6.2 Sustainability

To ensure sustainability of the project, several activities initiated under the project will be continued, expanded or followed-up after project completion including:

- Operational implementation of newly adopted ISMP will be safeguarded by Coordinating Board chaired by the Governor of Riau.

- The role of coordinating board will be continuously performed.
- Protocols and SOP management operations will be applied.
- Newly formed legal framework for utilization of environmental services will be collaboratively implemented by the Coordinating Board, BBKSDA, provincial and district governments.
- The operational of database management system will be maintained by Coordinating Board, local governments, BBKSDA and Sinar Mas Forestry & Partners.
- The developed technical manuals for livelihood development will be used by local communities and NGOs.
- The expansion of demonstration plots for community income generating activities will be executed by Sinar Mas Forestry & Partners as well as provincial and district governments.
- Local communities, comprising about 40% of women will be involved in the income generating activities and other community development programs during and after project implementation. This is so because the activities are designed to support household livelihood wherein wives play essential role.
- The funding mechanism will be further implemented by the Coordinating Board and relevant institutions.

After project completion, the local communities are to continue implementing the livelihood activities initiated under the project. It is therefore crucial that the livelihood activities are identified in close consultation with local communities. To preserve the interest of the local communities in implementing livelihood activities after project completion, such activities must generate income stream for them. To this end, concerned authorities of the reserve need to assist in marketing of produce by providing market information and developing appropriate marketing strategy. It is worth emphasizing at this stage that support of local communities on the management and conservation of the reserve is, to a larger extent, dependent on benefits of the reserve that are accruable to them.

In addition to the above, a wide range of institutions will involve in the project initiated activities, such as Provincial government (Provincial Forestry Agencies), FRDC, BBKSDA (DG of Forest Protection and Nature Conservation, MoEF) and Sinarmas Forestry & partners, research institutions and universities. The involvement of these institutions will secure the implementation of listed activities. The aforementioned institutions possess a great deal of interest in and formal mandate ensuring sustainable management and conservation of GSK-BR. BBKSDA Riau has been mandated by the MoEF to ensure the sustainable management and conservation of the wildlife reserves occupying the core area thus plays critical role in the development of core areas; whereas the Indonesian Institute of Sciences (Man and Biosphere) and Ministry of Environment will be involved in monitoring of project operations to ensure that project interventions are progressing on track to achieve the planned project objectives.

The sustainability of the project will also be achieved through: (i) prompt identification of committed and interest personal from the institutions concerned with the issues on landscape conservation, (ii) involvement of relevant institutions in project implementation from the early stage of operations, and (iii) proper identification of needed resources for implementation of critical activities after project completion.

PART 4. IMPLEMENTATION ARRANGEMENTS

4.1. Organization structure and stakeholder involvement mechanism

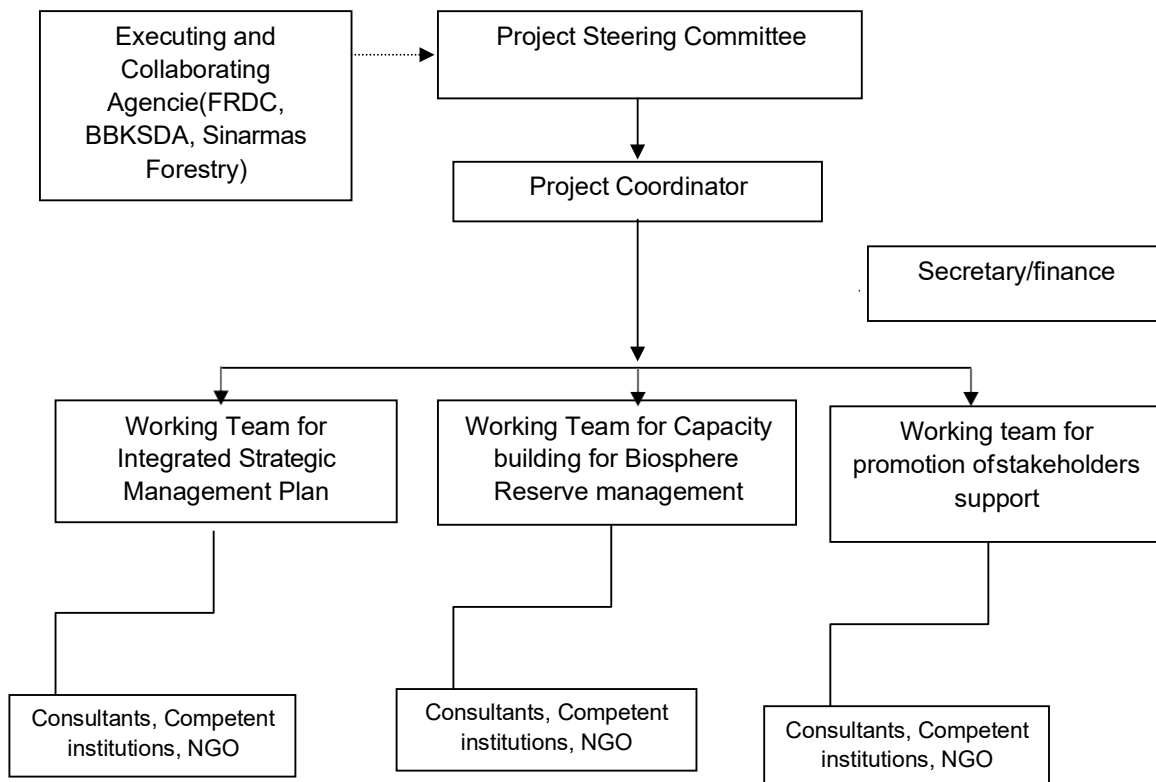
4.1.1. Executing agency and partner

The Executing Agency to implement this project is Forest Research and Development Center (FRDC), FOERDIA. In the execution of this project, the EA will be assisted by Collaborating Agencies, BBKSDA and Sinarmas Forestry and partners. Sinarmas Forestry and Partners is a holding company operating in forest industrial plantation in Sumatra and Kalimantan. Other agencies involve in this project are Provincial Forest Agency, Indonesian Institute of Science, Forestry and Environment Research, Development and Innovation Agency, and other relevant stakeholders.

4.1.2. Project management team

All project operational activities will be under the direction of a Project Steering Committee (PSC). The day to day management will be carried out by a Project Management Team which consists of a Project Coordinator, Project Secretary, Field Supervisors and Technicians. The Project Coordinator will be officially assigned by EA in close consultation with Sinarmas Forestry and Partners. Project Secretary and other key personnel will be hired on a contractual basis, solicited through job advertisements. The National Consultants/Experts will be hired to implement particular activities based on professional expertise. The project organizational structure is as depicted in Figure 4.

Figure 4. Project Organizational Structure



4.1.3. Project Steering Committee

The Executing Agency will form a Project Steering Committee (PSC). The primary roles are to guide and provide direction of the project, oversee progress of project implementation, approve work plans and associated budgets, review of necessary changes in the project activities and its associated budget. The members of the PSC at least consist of:

- Chairperson representing GOI to be appointed by the Ministry of Environment and Forestry
- Representatives of ITTO and donor countries
- Representatives of Riau Provincial and District Governments
- Representative of National Institute of Sciences/Indonesia MAB Programme
- Representative of DG Forest Protection and Nature Conservation
- Representative of FOERDIA
- Representative of Sinarmas Forestry & Partners
- Project Coordinator as the secretary
- Representative of local NGO

The primary roles of the PSC to be established include:

- To review operational management plans and endorse as appropriate
- To assess progress in implementation of activities and make the necessary recommendations for improving effectiveness of project operations
- To provide advices on resolution of any problems encountered in project implementation
- To review any changes made by the Executing Agency to the project document and approve the changes or otherwise
- To review reports on financial and technical aspects of the project.

A representative of local NGOs will be included as member of PSC: this inclusion is thought crucial considering the role the NGOs play in the implementation of community development related activities. This representative could be from either PASA (Sumatran Association on Nature-Perkumpulan Alam Sumatra), FKKM-Riau (Riau Forestry Community Forum-Forum Komunikasi Masyarakat Kehutanan Riau) or Lembaga Swadaya Masyarakat Siak Cerdas noting that FKKM looks more appropriate as the representative.

This committee will meet at least once a year. However, special meeting may be organized as need arises. Schedule of the committee meeting will be determined by EA in consultation with ITTO.

4.1.4. Stakeholder involvement mechanism

A separate stakeholder forum will not be established under the project; the well-functioning of the management coordinating board (MCB) will automatically serve as a stakeholder involvement mechanism because the board is represented by the main stakeholders namely: provincial and local authorities, forestry institutions, local communities, NGOs, investors, and other groups interested in biosphere reserve development. At MCB meetings the stakeholders may meet periodically to exchange views and ideas, develop propositions and make recommendations to the executing agency in view of improving

efficiency of project implementation. While the meetings has no formal direct responsibility for project management, its advices and recommendations are invaluable inputs to the project.

4.2. Reporting, review, monitoring and evaluation

- **Inception Report**

To be submitted after signing of Agreement between ITTO, Executing Agency and Government of Indonesia. The Inception report contains the confirmation of the availability of office space and facilities, registered banking account, key project personnel and any changes if any and first Yearly Plan of Operation.

- **Yearly Plan of Operation**

To be submitted a year before the commencement of project activities in the subsequent year for endorsement by PSC, as appropriate and by ITTO. The first YPO will be attached to the Inception Report. The subsequent YPOs will be submitted at least ten weeks before the beginning of the planned year. ITTO approves the YPO based on endorsement of PSC.

- **Project Progress Reports**

To be submitted bi-annually or as requested by ITTO. This report contains information on the execution and the progress of activities during the period covered for the report, achieved output and inputs applied.

- **Project Technical Reports**

To be submitted in accordance with the schedule and at the end of project period. The Technical Report contains technical and scientific data and information, analyses and other project results. A technical report may be produced from one or a set of activities in one Output. The report may also contain present procedure and methodologies adopted, the data generated and the results achieved.

- **Financial Report**

An audited financial report will be submitted to ITTO within three months after the end of the current fiscal year. A final audited report will be submitted within four months after the date of project completion. The project will appoint a public accountant to be submitted to ITTO for approval prior to carry out project financial auditing.

- **Project Completion Report**

A Project Completion Report will be submitted to ITTO within three months after project completion. The report contains summary of the activities executed, unexecuted (if any), inputs and expenditures, outputs achieved and objectives during the project implementation period. The report also highlights the most critical differences between planned and realized project elements using original project documents as primary reference, lessons learned from the implementation of the project.

4.3. Dissemination and mainstreaming of project learning

4.3.1. Dissemination of project learning

Project learning and results will be disseminated through various means and channels at the implementation stage and after project completion, as outlined below:

- **Integrated strategic management plan (ISMP)**

Developed and adopted ISMP will be widely disseminated through local and national workshops, dialogues and other forms of public consultations during project period prior to its implementation.

- **Technical Reports**

Will be published and widely disseminated to the relevant users.

- **Brochures/technical documents**

To be published regularly and distributed within the province and other national events. The brochures and documents contain all necessary information regarding the GSK-BR, the potential and strategic plan toward sustainable use.

- **National and Regional Workshops**

The workshops will be organized to disseminate project findings and results and to receive inputs for further improvement and implementation.

- **Completion Report**

Will be printed and distributed nation-wide, interested ITTO member countries and other relevant institutions such as UNESCO.

4.3.2. Mainstreaming of the project learning

Key findings and results of this project are expected to contribute to policy making at the central, provincial and local governments with respect to sustainable management of PSF, protected and conservation areas as well as production forest under biosphere reserve concept.

- The newly formulated and widely adopted Integrated Strategic Management Plan (ISMP) will be likely to become a model for managing private-public initiative Biosphere Reserve. This is because GSK-BR has a unique PSF ecosystem consisting of protected, conserved and production forests and surrounded by large forest and non-forest plantations.
- The ISMP will greatly strengthen the work of existing Coordinating Board in managing the GSK-BR, for which the plan is not yet developed since its inclusion to UNESCO's monitoring network in 2009.
- Newly developed legal framework for utilization of environmental services will enable all interested parties (i.e district government) to further develop potential environmental services for economic purposes and community development, such as ecotourism, fisheries and other NTFP program.
- The developed funding mechanism will likely to be adopted and supported for long term and sustainable management of GSK-BB by the MCB and concerned institutions.

The above project results will be widely disseminated and handed over to concerned authorities and parties; special discussions will be further organized to disseminate the results to government authorities at different levels for policy consideration.

Annex 1: Profile of the Executing Agency

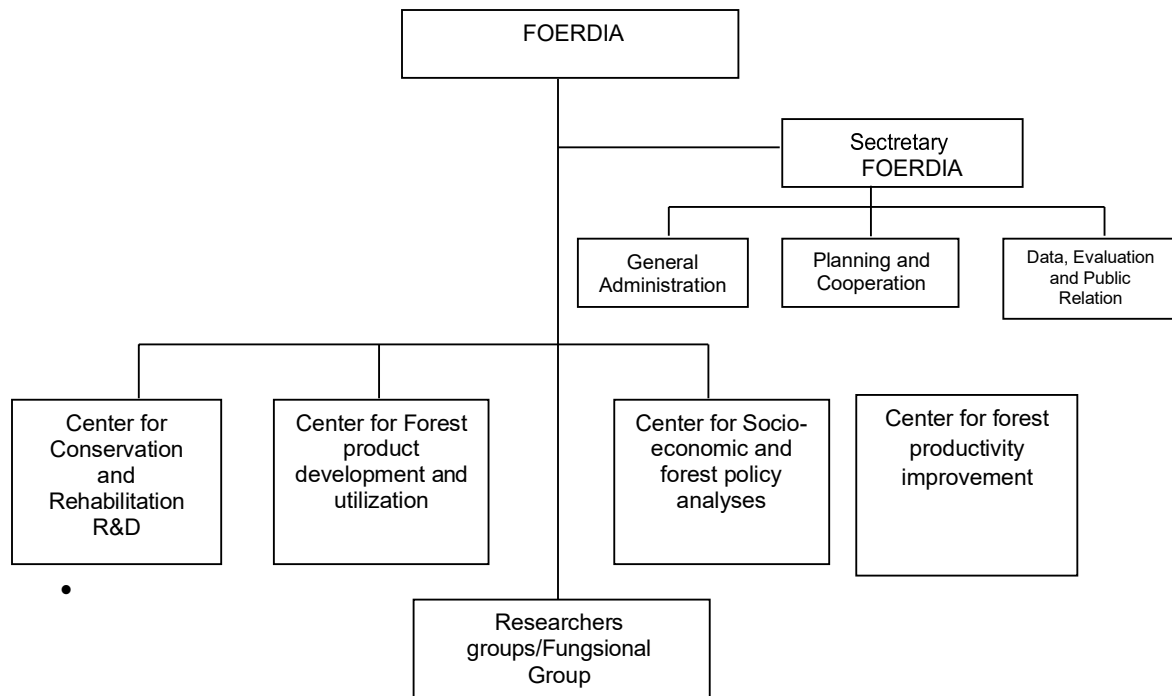
BACKGROUND

A. Profile of the Executing Agency

The Executing Agency of the project is the Forest Research and Development Center (under Forestry and Environment Research, Development and Innovation Agency (FOERDIA), Ministry of Environment and Forestry. FOERDIA is responsible for research and development in forestry resources, natural resources and ecosystem conservation in Indonesia. This institution holds main functions as follows:

- Research and development to secure forest resource base;
- Coordinate and conduct R&D in conservation and rehabilitation of forest resources;
- Conduct research and development in wildlife management and conservation;
- Conduct research and development on sustainable management and conservation on conservation forests,;
- Improve the practice in forest management and utilization
- Promote technology in rehabilitation and restoration of ecosystems
- Establish collaboration on conservation of natural resources ecosystems development and partnerships;
- R&D to support environmental services and eco-tourism;
- Implementation of general affairs and intern.

Figure 5. The organization structure of FOERDIA



FOERDIA's PERSONNEL

The personnel within the FOERDIA possess over 1750 staffs, consisting of research officers at PhDs level (60), Masters (>200) and Bachelors (>215) and technicians and the rest are administrative staffs. The annual costs is approximately US\$ 200 millions (2012) for research and development, maintaining research forest, development and other administrative support costs.

FOERDIA's INFRASTRUCTURES

- Library
- Several modern laboratories, distributed in Regional Research Centers
- Nation widely distributed Research Forests areas
- Office buildings and other facilities (greenhouse and nurseries)
- Experimental forest sites
- Experienced Domestic and International Cooperation (ITTO, JICA, EU, Korea, ACIAR etc.)

Annex 2: Profile of the Collaborating Agency

Implementation of the proposed project will be carried out in collaboration with Sinarmas Forestry and Partners (PT. Arara Abadi).

1. Expertise of Sinarmas Forestry (SMF)

- ✓ SMF is the Plantation forest management organization
 - ✓ Manages Asia Pulp and Paper (APP) - owned HTI concession areas (6 Forest Management Units, ± 1 million hectares) and exclusive supplier of pulpwood to APP Indonesia pulp mills
- Riau** : PT. Arara Abadi, PT. Satria Perkasa Agung, PT. Abadi Lestari, **Jambi** : PT. Wira Karya Sakti, **West Kalimantan** : PT. Finnantara Intiga, **East Kalimantan** : PT. Sumalindo Hutani Jaya
- ✓ Provides technical and some financial supports to some 30 *partners*-Forest Management Units (FMUs)

2. Infrastructure of SMF

- ✓ Network of roads and water transport (Main Road ± 3,200km and Main Canal ± 4,600km)
- ✓ More than 80 Forest Camps and supporting facilities
- ✓ Forest R&D Centre (largest well-resourced centre in Indonesia)
- ✓ Well established communication and transport system
- ✓ Community training Centre completer with permanent employees involved in various CSR and community program.

3. Budget

Based on Ministry of Forestry Decree No. 743/KPTS-III/1996 that PT. Arara Abadi with total areas of 299,975 hectares.

The budget of PT. Arara Abadi next year 2013- 2015 is as follows:

Activities	Year (US \$)			
Planning	11,724,697	-	-	-
Infrastructure	-	164,869	164,869	164,869
General Administration	-	5,814,765	5,814,765	5,814,765
Planting/Maintenance/ Protecting	-	43,861,553	43,861,553	43,861,553
Environment	-	805,938	805,938	805,938

Source : RKUPPHK-HTI PT. Arara Abadi 2011-2020

4. Personnel

PT Arara Abadi staff members consist of 1,497 personnel, with university degrees in various fields (390 persons), high school graduates (879 persons) and others (228 persons).

Annex 3: Key personnel to be provided by EA and CA

No.	Name/Designation	Educational Background	Role in project implementation
1.	Kirsfianti L. Ginoga/Director for Forest R&D Center	Socio Economic	Member of PSC, supervisory body
2.	Haris Surono/Manager of Environmental Services of Sinarmas Forestry	Forestry Degree	Project Senior staff for GSK-BR Buffer Zone Development
3.	Supriatno/Staff for Environmental Services of Sinarmas Forestry	Forestry Degree	Project Senior Staff for GSK-BR Buffer Zone Development
4.	Suharyono, M.Si. Head of BBKSDA	Forestry Degree	Project Senior staff GSK-BR Core Area Development
5.	Prov Forestry Services	-	Member of PSC, supervisory body

Annex 4: Outlines of terms of reference (TOR) for key personnel and professionals to be paid with ITTO funds

Position	Main tasks
Project Coordinator	<ul style="list-style-type: none"> • To manage project operations on a day-to-day basis • To prepare plans of operation, monitoring and evaluation • To prepare and submit documents and reports to EA and ITTO in accordance with the project agreement • To select consultants and other professionals to assist in project implementation • To organize various meetings including for PSC and PTC on progress in implementation
Project Secretary	<ul style="list-style-type: none"> • To assist PC in managing project operations • To organize meetings and travels • To do other tasks as requested by PC
Technicians	<ul style="list-style-type: none"> • To input data on information system • To provide data and information for PC and Consultants as requested
Field Supervisors	<ul style="list-style-type: none"> • To assist in developing operational plans • To supervise and to report implementation of activities and field operations
National Expert for Activity 1.1	<ul style="list-style-type: none"> • To review existing planning framework pinpointing its flaws and weaknesses • To prepare and propose an adequate planning framework • To identify authorities concerned with GSK-BR management planning • To hold a focus discussion on planning framework
National Consultant for Activity 1.2	<ul style="list-style-type: none"> • To review existing landuse practices on GSK-BR area • To consult with relevant authorities on appropriate landuse policy • To make recommendations on suitable long-term landuse on individual zones/areas
National Consultant for Activity 1.3	<ul style="list-style-type: none"> • To review existing data on bio-physical and socio-economic of GSK-BR • To update data as necessary using available and reliable sources to facilitate formulation of ISMP
National Consultant for Activity 1.4	<ul style="list-style-type: none"> • To develop appropriate design of website for GSK-BR • To test workability of the design • To prepare operational manual of the website • To train technicians for the operation of the website
National Consultant for Activities 1.5	<ul style="list-style-type: none"> • To consult with main stakeholders on the structure of ISMP • To draft an ISMP in collaboration with consultant • To present draft ISMP to technical meetings and finalize accordingly
National Consultant for Activity 2.1	<ul style="list-style-type: none"> • To assess current functioning of MCB focusing on weaknesses • To prepare a sound mid-term workplan for MCB and identify need resources for operations • To arrange endorsement of the workplan by relevant parties
National Consultant for Activity 2.3	<ul style="list-style-type: none"> • To draft protocols of management operations through consultation with concerned authorities • To organize technical meetings on the draft • To finalize the protocols using inputs from the meetings
National Consultant for Activity 2.4	<ul style="list-style-type: none"> • To draft SOP for management operations through consultation with concerned authorities • To organize technical meetings on the SOP • To finalize the SOP using inputs from the meetings
National Consultant for Activity 2.5	<ul style="list-style-type: none"> • To consult with concerned authorities on the format of funding mechanism • To develop suitable design of funding mechanism • To hold discussions on funding mechanism as appropriate • To take care of adoption process of the mechanism

Position	Main tasks
National Consultant for Activity 3.5	<ul style="list-style-type: none"> To review the technical reports pertaining to income generating activities To field verify the information presented in the technical reports To prepare technical manuals on income generating activities To validate the manuals through consultation with relevant parties
Sub-contract No. 1 Activity 1.6, UN	<ul style="list-style-type: none"> To consult with concerned authorities on targets of the consultation To develop a work programme to conduct consultation To hold consultations To prepare a technical report on the consultation process
Sub-contract No. 2 Activity 1.7, LEO	<ul style="list-style-type: none"> To identify workshop participants in close consultation with PC To develop a work programme for the workshop To report on the conduct and results of the workshop
Sub-contract No. 3 Activity 2.2, UN	<ul style="list-style-type: none"> To consult with EA on training participants To develop training materials suitable for trainees To develop training schedule and conduct the training To prepare a technical report on the training
Sub-contract No. 4 Activity 3.1, NGO	<ul style="list-style-type: none"> To consult with PC on targeted villages and sub-districts To develop a work programme in close consultation with PC To conduct the dialogues To prepare a technical report on the dialogues
Sub-contract No. 5 Activity 3.3, NGO	<ul style="list-style-type: none"> To select income generating activities for development based on results of activity 3.1 To identify suitable sites for development of demonstration plots To develop design of demonstration plots To identify need resources for demo plots construction To identify and recruit villagers for construction of demo plots
Sub-contract No. 6 Activity 3.4, NGO	<ul style="list-style-type: none"> To identify trainees in close consultation with FS and PC To develop training materials and schedule To conduct the training To submit a technical report on the training
International Consultant for Activity 1.5	<ul style="list-style-type: none"> To review existing data and information in collaboration with the NC To search for additional data as necessary To consult with government authorities and main stakeholders on preferred structure and substance of ISMP To draft ISMP and present it to technical meetings for scrutiny To finalize ISMP as appropriate
International Consultant for Activity 3.6	<ul style="list-style-type: none"> To review existing rules and regulations governing utilization of environmental services in collaboration with the NC To identify potential services of GSK-BR for development To identify suitable methods for utilization of ES To develop needed legal framework to facilitate utilization of ES drawing on the experience of ITTO member countries To prepare a technical report on the assignment
Campaigning Specialist for Activity 3.7	<ul style="list-style-type: none"> To develop a campaigning strategy in close consultation with PC To prepare attractive and easy-to-read campaigning materials To widely disseminate campaigning materials To organize dialogues, TV talk shows, etc. as appropriate

Notes:

- i) Activities 3.1; 3.3 and 3.4 are best to be sub-contracted to local NGOs as they are more familiar with such work than most other institutions and experienced NGOs are available in Riau province for hiring.
- ii) International Consultants are needed to assist in implementation of Activities 1.5 and 3.6 to benefit from their experience in doing similar works in other countries and to facilitate effective technology transfer.

Annex 5: The recommendations of the 46th Expert Panel and the respective modifications made

No.	Specific recommendation	Modification made	Locus of modification
1.	Provide a map showing the location of the project site in Riau Province	Map of the project site appears as Figure 1	
2.	Provide more information on the geographical area of the Giam Siak Kecil Bukit Batu Biosphere Reserve (GSK-BR) in Riau Province; Provide information on the concept of Biosphere Reserve under UNESCO MAB Programme	<ul style="list-style-type: none"> • Information on geographic area provided • The concept of biosphere reserve development concisely provided 	<p>Section 1.3.1, p. 4</p> <p>Section 1.3.2 (c) , p. 4</p>
3.	Redefine the key problem to be addressed by the project. The current key problem appears as an effect rather than a key problem	The key problem redefined as “Sustainable management and conservation of GSK-BR is not effectively implemented” noting that any problem is always an effect of causing problems	Section 2.1.3, p. 11 Figure 2, Problem tree, p. 12
4.	Improve the logical framework matrix by redefining the statement of the specific objective to ensure the effects to be achieved by the project; The indicators should be improved in SMART (Specific, Measurable, Appropriate, Realistic and Time-bound) way; Include the number of women to be engaged in the project activities as part of indicators if feasible	<ul style="list-style-type: none"> • The specific objective redefined as “to initiate an effective implementation of sustainable management and conservation of GSK-BR” corresponds to the redefined key problem • The indicators have been improved in a SMART manner • The number of women to engage in project activities may reach 40% of total villagers 	<p>Figure 3, Solution tree Section 2.2.2, p. 16</p> <p>Section 2.1.4, p. 14</p> <p>Section 3.5.2, p. 32</p>
5.	Provide more information on the current legal framework for payments for environmental services in connection with Activity 3.6	More information on legal framework relating to Activity 3.6 provided	Section 3.1.2, p. 17
6.	Review the work plan for the implementation of Activities 1.5-1.7, given the fact that that the adoption of the Integrated Strategic Management Plan (ISMP) will be taken up through a series of consultation workshops among key stakeholders	The workplan for implementation of Activities 1.5-1.7 reviewed and justified	Section 3.3, p. 20

No.	Specific recommendation	Modification made	Locus of modification
7.	<p>Revise the project budget in the following way:</p> <ul style="list-style-type: none"> • Scale down the provision allocated for the project personnel • Provide concise terms of references for each of the sub-contractors • Recalculate the ITTO Programme Support Costs (Sub-component 83) specified in the budget so as to conform with the new standard of 12% of the total ITTO project costs in accordance with the decision of the 48th Session of the ITTC 	<ul style="list-style-type: none"> • The ITTO's contribution to personnel component reduced and GOI's contribution increased • Concise TORs for sub-contractors provided • ITTO Programme Support costs recalculated at 12% of total ITTO project costs 	<p>Tables 3.4.1 thru 3.4.5 Notes on budget p.31</p> <p>Annex 4, see appropriate page Table 3.4.3</p>
8.	<p>Improve the potential risk assessment by focusing on specific risks. The identified risk of "Inconsistent government policy on biosphere reserve development" is regarded as a national policy aspect rather than a project management aspect</p>	<p>Potential risks reassessed and mitigating measures identified</p>	<p>Section 3.5.1, p. 32</p>
9.	<p>Improve the sustainability by describing the engagement of local communities after project completion</p>	<p>Engagement of local communities after project completion elaborated</p>	<p>Section 3.5.2, p. 32</p>
10.	<p>Review the inclusion of a representative of NGOs in the Project Steering Committee (PSC) and elaborate the primary role of the PSC</p>	<ul style="list-style-type: none"> • Inclusion of NGO Rep. in the PSC reviewed and justified • Role of the PSC elaborated 	<p>Section 4.1.3, p. 35</p>
11.	<p>Provide more information on the current Management Coordination Board to ensure the effective participation of key stakeholders</p>	<p>More information on the management coordinating board provided based on the relevant decree of Riau Governor</p>	<p>Section 2.1.1, p. 9</p>

Annex 6: The recommendations of the 47th Expert Panel and the respective modifications made

No.	Specific recommendation	Modification made	Locus of modification
1.	Further improve the assumptions assessment in the logical framework matrix by highlighting potential obstacles which are beyond the control of project management	The assumptions on LFM have been revised based on the discussion presented in Section 3.5.1	Sections 2.1.4, p. 14 and 3.5.1, p. 32
2.	Based on the refined assumptions in the logical framework matrix, further improve the risks assessment by focusing on potential risks including inconsistent government policies on biosphere reserve development. Further elaborate the risk mitigation measures and how they will be monitored in the course of project implementation	Risk assessment is discussed in Section 3.5.1 and mitigating measures improved Risk monitoring is also discussed in Section 3.5.1	Section 3.5.1, p. 32

Please note that the bolded and underlined texts pertaining to the recommendations of the 46th Expert Panel have been normalized; existing bolded and underlined texts are now only those that accommodate the recommendations of the 47th Expert Panel.