

PLAN OF OPERATIONS

INDONESIA COMPONENT

OF

**FORESTRY PROGRAMME FOR EARLY REHABILITATION
IN ASIAN TSUNAMI AFFECTED COUNTRIES**

OSRO/GLO/502/FIN

1 March 2006

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I. INTRODUCTION AND BACKGROUND

In Indonesia, the earthquake and tsunami of December 26th 2004 devastated the northern part of Sumatra, affecting coastal populations, property and land for a 500 km long and 2-6 km wide stretch along the west and north coasts of Aceh province. Over 170,000 people were killed, over 115,000 houses and other units of infrastructure were damaged or destroyed, and land, including trees and forests, suffered extensive damage. Mangrove loss in northern Sumatra has been estimated at 25,000 ha and forest loss at 48,925 ha. Damage to trees in home gardens in the tsunami-affected villages was on a colossal scale. Preliminary evidence suggests that the impact of the tsunami was reduced in areas where coastal forest and vegetation cover was good.

In the Master Plan for Rehabilitation and Reconstruction¹, the Government of Indonesia set a five year planting target for mangrove cover of 164 840 ha. To date, relief and rehabilitation efforts have included work by a number of organisations to establish mangrove trees in selected coastal areas. This has, in some cases, been through community and individual initiatives but has predominantly been in return for payment under cash for work schemes operated by relief agencies. One year after the tsunami struck, however, concerns have been raised that a considerable proportion of the planting efforts may prove unsustainable. This has resulted from the limited stakeholder participation possible and the short period available for assessment of the multiple factors that determine whether planted trees and forests, including mangroves, become a permanent feature of the landscape.

Coastal forest conservation, rehabilitation and reforestation can enhance protection against erosion and storm events and improve livelihoods by increasing the productivity of agricultural and fisheries production systems as well as through the production of wood and non-wood forest products. Given that coastal forests, and particularly mangrove forests, were already heavily degraded prior to the tsunami, a key feature of the proposed work is to provide a foundation upon which the livelihoods of communities in affected areas may be improved above pre-tsunami levels through forest restoration, reforestation, green belt development and planting of trees in home gardens.

Because competing land uses are often preferred over forestry in coastal and other areas due to higher apparent or short-term benefits, participatory planning within the context of integrated coastal area management will be used to ensure that the contribution of forestry is appropriate and optimal. Suitable incentives/benefits will also be discussed during PRA with a view to establishing measures to ensure that tree plantings are more able to compete with alternative coastal land uses. Such incentives are particularly important during the initial period before planted tree and forest resources yield benefits. Awareness raising on the contribution of forestry to livelihoods and coastal area management will be provided to enable communities, decision makers and planners to make better informed decisions based on long-term requirements. Participatory approaches will also ensure that decisions are made by consensus and that resulting interventions are therefore more likely to be sustainable.

Timber supply, both immediate and long term, is a pressing issue that the project will also support. The reconstruction of houses and other infrastructure and rebuilding of wooden boats requires huge quantities of timber and wood products, which, if improperly managed could result in over-harvesting of local forests or use of unsuitable wood from domestic or external sources. At present, non-legal and non-sustainable wood is being supplied from each and every available source with little coordination or specification to ensure the suitability of supplies in terms of source or end-use. This is happening amid moves by the

¹ BAPPENAS. 2005. Master Plan for Aceh and Nias Rehabilitation and Reconstruction, Book 2, Environment and Natural Resources, National Development Planning Agency, Indonesia, Jakarta. April 2005.

government to reopen forest concessions in Aceh¹ to help meet supply and reduce the need for imports. BRR² has proposed formation of a multi-stakeholder Taskforce on Wood and Forestry (TWF) to co-ordinate and monitor wood supply in terms of effectiveness and environmental sustainability.

This document details the plan of operations for the Indonesian component of OSRO/GLO/502/FIN and has been developed on the basis of the issues and principles identified in the regional project document as well as the prevailing situation in Aceh and Nias one year after the tsunami. The work comprises three results addressing (i) forest rehabilitation, reforestation, tree planting and integrated coastal area management, (ii) timber supply, and (iii) capacity building.

Reference is also made in this document to activities that will be financed by the end of June 2006 through the European Commission Humanitarian Aid Office (ECHO; project OSRO/INS/509/EC).

II. OBJECTIVES

The project will work to build links between stakeholders in a participatory and integrated approach that will focus on forestry and integrated coastal area management in two project areas whilst also providing support for associated regional and national level activities including supply of timber for reconstruction. FAO will work in a catalytic role to maximise its comparative advantage in working with government agencies as a neutral provider of technical advice. Experience gained and technical inputs to the project will be fed into the wider reconstruction programme through close links with BRR, the Provincial Forestry Service and MoF to maximise multiplier effects.

The overall objective of the programme under which the Indonesian component is developed (OSRO/GLO/502/FIN) is to help restore the livelihoods of the people in the tsunami-affected areas and to contribute to their improved and more secure futures through forest rehabilitation and reforestation. The specific objectives of the overall programme are:

- To provide forest and tree-derived benefits and improved household income to the affected populations to address their immediate livelihood needs.
- To establish a sound foundation for medium and long-term forest rehabilitation and reforestation for coastal protection and forest management
- To improve institutional and coordination capacity of the Governments to ensure sustainable practices for timber and non-wood forest product supplies and environmental services from forests.

Within these framework objectives the specific objectives of the work detailed here are:

- To sustainably rehabilitate and restore coastal tree and forest resources in tsunami affected areas through participatory approaches and in the context of integrated coastal area management.
- To assist government agencies in co-ordinating and monitoring the supply and demand of wood for reconstruction, ensuring suitable technical specifications and maintaining environmental sustainability standards.
- To build capacity in planning and implementing rehabilitation, restoration and sustainable management of coastal trees and forests at community, district and provincial level, through technical support, coordination, workshops, training and production of guidelines.

It is important to note that, almost without exception, post-tsunami replanting of mangroves and other forest tree species has been undertaken without consideration of how trees will be

¹ Forestry concessions in Aceh were closed in 2001 for security reasons.

² Badan Rehabilitasi dan Rekonstruksi (the Government Tsunami Reconstruction and Rehabilitation Agency)

maintained during establishment and prior to related benefits becoming available. In addition, large numbers of mangrove seedlings have been planted in areas that have subsequently proved inappropriate for their establishment. For both these reasons there has already been significant loss of the original planted material and no guarantee that the remaining trees will provide any environmental, social or economic value.

This project endeavours to address these issues by adopting a technically sound integrated participatory approach and ensuring that appropriate benefits and incentives are developed to maintain the planted trees and maximise chances that replanting efforts will provide long-term benefit to the affected communities.

III. APPROACH

Because livelihoods of the majority of communities in Aceh and Nias are multi-sectoral in nature, there is a need to develop an approach that engages all sectors constituting the livelihoods of individuals in tsunami affected communities. Integration at all levels is required to ensure that initiatives and activities of the principle sectors compliment, rather than conflict with one another.

Whether working in reconstruction after emergencies or on development projects, investing in communities to help themselves provides the best approach by which long-term sustainability can be achieved. Such an approach does, however, consume considerable time and effort at the field level.

Although participatory approaches are principally designed for community level interaction, they also provide an opportunity for all principal stakeholders (communities, village and district level government institutions, international and local NGOs, etc) to be part of the development process. This is necessary to ensure that proposed interventions concur with government policies and strategies, are integrated into development plans and become institutionalised to the extent that sustainability is ensured beyond the timeframe of the project.

PRA has been selected as the process by which participatory approaches will be implemented. The PRA process provides means through which community empowerment is used as the basis to capitalise on local knowledge and potential. Once initiated, it must be continued through the services of community development facilitators to maintain links with the beneficiaries and maximise chances of long-term success. PRA ensures that:

- all stakeholders are respected and regarded as equals,
- women are able to participate and contribute,
- all stakeholders are able to play a part in the development process,
- programmes are appropriate and realistic,
- there is ownership of the project by the principal stakeholders,
- there is long-term commitment and responsibility of individual stakeholders is increased.

In addition to the adoption of participatory integrated approaches, planning and provision for the subsequent management of the trees and forests planted will be undertaken to improve the sustainability of the intervention following project termination.

IV. LOCATION

The field activities of the project will focus on approximately two sites of 5 villages in two districts in Aceh province, one on the northern coast and one on the western coast. At least one of the sites will be in an area where mangrove forests were formerly present. Sites will be further selected on the basis of criteria related to maximising enabling conditions needed for implementation to be possible as detailed below.

V. PROJECT BENEFICIARIES

The primary target beneficiaries of the project's field activities will be the poor and the vulnerable households of 10 villages in which the project will work. FAO will draw up beneficiary selection criteria on the basis of the results of the participatory rural appraisal and in close consultation with relevant Government agencies and implementing partners. Methods of reaching the primary target beneficiaries without causing disruption to traditional community structure will also be formulated. FAO will be responsible for ensuring that these criteria and methods are applied in a fair and transparent manner.

Project activities in support of green belt establishment and coastal area management are expected to benefit communities as a whole through improved coastal protection, an improved coastal environment, improved production of wood and non-wood forest products and, in some cases (e.g. mangrove rehabilitation), by enhancing the productivity of coastal fisheries.

Community-based organizations and local institutions will also benefit through capacity building activities and participatory and integrated planning efforts. Other key beneficiaries include Government forestry officials at national, provincial and local levels as well as officials in other departments.

VI. PROJECT RESULTS AND ACTIVITIES

RESULT 1. Forest rehabilitation, reforestation, tree planting and integrated coastal area management

Community action plans and supporting guidelines and approaches for forest rehabilitation and reforestation developed in the context of integrated coastal area management. Forest rehabilitation, reforestation and tree planting and management at household and village level initiated and on-going.

Activity 1.1 Consultation activities and project launch

Description

To maximise exchange of information between projects, minimise overlap with the work of other organisations and promote integrated coastal area management, agencies working in forestry and other relevant sectors in Aceh and Nias and all organisations working in the project focal areas will be approached and consulted over proposed project activities.

A project launch meeting will be held in Banda Aceh early in the project inception phase and a concise description of proposed project activities in English and Indonesian will be circulated amongst agencies working in forestry and other sectors related to integrated coastal area management.

Roles

Consultation with other agencies - National Project Assistant,

Project launch meeting - CTA Forestry,

Project description - National Coastal Forest Consultant.

Activity 1.2 Site selection

Description

Project sites will be selected in close consultation with responsible Government agencies, government officials at district and sub-district levels and donors working in Aceh and Nias. Two sites will be selected, one on the west coast and one on the north coast with each comprising 5 villages. Sites will be selected according to the following criteria:

- Significant tsunami damage to forests and trees,
- Affected populations housed and settled,
- Communities demonstrate interest in the proposed work,
- Local governance structures functioning sufficiently,
- Within logistical reach of Banda Aceh,
- Partner organisation already working in the area or willing to work in the area,
- No potentially obstructive land tenure issues likely to prohibit forestry development activities.

Roles

National Coastal Forestry Consultant, locally hired site selection consultants.

Activity 1.3 Review of forestry and land use policy

Description

Forestry and land use policy and related regulations relevant to the selected project areas will be reviewed during the project inception phase so that necessary clarifications may be sought in cases of overlapping jurisdiction or where tenure is otherwise unclear. For example, mangrove areas classified as conservation forests fall within the jurisdiction of the district forestry offices, and the remainder within that of the local government although there is no clear line of demarcation on the ground. Such lack of clarity in the control and utilization of coastal resources has led to past degradation of the coastal environment. The opportunity will therefore be taken to make necessary clarifications and amendments to maximise the probability of long-term sustainability.

Under this activity, a hierarchical description of relevant laws, policies and regulations will be prepared. Based on this description and the project plan of operations, guidelines will be produced to ensure that activities implemented by the project are supported and not compromised, either during implementation or subsequently, by the regulatory framework.

Roles

National Project Assistant, Dinas Kehutanan.

Activity 1.4 Participatory Rural Appraisal

Description

Following selection of trainers from amongst local forestry stakeholders, the participatory rural appraisal (PRA) will begin with a weeklong training workshop run at each site to provide the necessary skills for the PRA assessment. The workshop will be attended by representatives from each target village and also by local government officials, NGO, and local civil society representatives. At the end of the training workshop, two gender-balanced teams of approximately eight people will be selected at each site to conduct PRA in the target villages.

The PRA will allow the project to maintain a neutral position such that villagers may feel free to express their own ideas and aspirations without pressure from outside. If, following PRA activities, it is clear that there is scope for development of a project that meets both FAO objectives and the aspirations of the villagers, the project will proceed to the next step.

Given initial village interest, PRA will be carried out to identify needs and ideas as well as options and processes to facilitate development of sustainable and integrated initiatives for forest rehabilitation, reforestation and tree planting. The PRA will also function to strengthen local capacity in land and resource use planning by providing information on technical and policy matters, training village facilitators and forming community groups to oversee forest and tree planting and management activities.

The PRA will progress through semi-structured interviewing, focus group discussions, preference ranking, wealth ranking, mapping and construction of seasonal calendars. During the PRA, information will be collected in the following areas:

- socio-economic conditions;
- land use;
- damage assessment;
- seasonal activities;
- livelihoods composition (including fisheries, forestry and agriculture);
- utilization of natural resources;
- potential for tree and forest rehabilitation (mangrove, live fences, home gardens, agroforestry systems).

The PRA will also include:

- (i) Identification and analysis of land use development and local/national decisions behind the process to bring out lessons learnt from past development.
- (ii) Establishment of beneficiary selection criteria;
- (iii) Assessment of the institutional capacity of agencies involved in project implementation;
- (iv) Identification of forest-based and other income-generating activities that do not result in environmental degradation;
- (v) Participatory development of criteria for assessing village level project impacts.

During the PRA process, the PRA teams will identify Community Development Facilitators, who will be stationed within target communities for the duration of the project. The Community Development Facilitators will be the focal points facilitating development and implementation of forest and tree planting and management activities. For each site, there will be six pairs of community development facilitators (one male and one female in each pair).

Prior to initiation of the PRA, two Senior Community Development Facilitators will be hired at each site to liaise between villages and provide central coordination and liaison with the Banda Aceh office. The Senior Community Development Facilitators will provide assistance during the PRA and also increase familiarity with the project.

The process in each village will be documented by the PRA teams with assistance from the PRA organisers.

The National Outcomes and Impacts Monitoring Specialist will provide inputs to the PRA process by helping villagers to identify results and impact indicators that will feed into the objectively verifiable indicators for the project. The consultant will also help collect and collate monitoring and evaluation information at the village level during and towards the end of project implementation as detailed in Section VII.

Roles

This activity will be carried out by a national NGO under LoA using ECHO funds. Inputs will be provided by the National Coastal Forest Consultant, the International Mangrove Consultant and the National Project Assistant.

The National Outcomes and Impacts Monitoring Specialist will be responsible for developing village level performance indicators.

Activity 1.5 Awareness raising and community action planning

Description

To enable villagers to make livelihood decisions accounting for both short and long-term exigencies and the integration of different sectors, informal awareness raising will be run in each village immediately following the PRA. The aims of the training are to build confidence and capacity through discussion of issues such as land use planning and integration of traditional and alternative livelihoods, to disseminate information on forestry in the context of ICAM and the prevailing framework conditions in Aceh and, where appropriate, to provide information on means of capturing market opportunities.

Following on from awareness raising and on the condition the PRA finds that community needs and aspirations are consistent with project objectives, village groups will be assisted in planning forest rehabilitation, reforestation and tree planting activities within the context of integrated coastal area management. The project will provide information on technical feasibility and management matters.

Planning activities will be based on the results of the PRA and will support development of an appropriate plan for effective rehabilitation of coastal resources. The plan will include decisions on the types of trees to be planted, the location and the appropriate benefits/incentives required to promote maintenance of planted trees and prevent later conversion. The village action plans and plans for the long-term maintenance of planted trees will be agreed upon in association with local government agencies.

Planning will be supported by use of remotely sensed imagery and community mapping activities both to increase villagers' understanding and to rationalise the spatial distribution of land uses. Emphasis will also be placed on the temporal integration of forestry activities with activities in agriculture, fisheries and other areas to avoid disruption of traditional seasonal patterns of work.

The planning exercise will seek to find ways of increasing the long-term sustainability of project interventions by means of incentives, benefit sharing mechanisms, tenure arrangements, assessing market links, etc. Plans will also be developed to support various community based income generating activities as detailed in Activity 1.7. Support for such activities is partly aimed at identifying methods of income generation for communities during the time lag prior to realisation of economic benefits from tree planting activities.

District and province level government agencies and other stakeholders will be consulted during the planning process to ensure that activities included in the village plans are in keeping with existing development plans.

The adoption of the village action plan will be followed by training of identified community groups to participate in forest and tree planting and management activities that are consistent with the plan.

Roles

This activity will be carried out under LoA with a local NGO and with supervision from the National Project Assistant and inputs from the National Coastal Forest Consultant and International Mangrove Consultant.

Activity 1.6 Tree seedling distribution, planting and management

Description

Planting of seedlings will proceed along two main lines - firstly to replant, rehabilitate and establish of coastal trees and forests in common or village areas and secondly to fulfil villagers' and families' livelihood needs in terms of trees for home gardens, family owned land and around dwellings. Species selection will depend on requirements for establishment

of mangroves, coastal green belts and live fences, etc. as well as villagers' preferences, as identified during community action planning.

Preparation and distribution of seedlings will be carried out under LoA/s with a local organisation/s using ECHO funds. The same organisation/s will supervise planting by the village groups identified during the community action planning process and will also provide payments.

The village planting groups will be provided training in site preparation, planting, watering, application of fertilizer and pesticide and other relevant activities by the National Coastal Forest Consultant prior to commencement of planting activities. Planting will take place before the crop sowing (Aug-Sept) and fishing seasons (Sept-Apr) and will be supported by the National Coastal Forest Consultant and National Community Development Specialist working with the Senior Community Development Facilitators and Community Development Facilitators.

Day to day maintenance of the seedlings/trees, which will include replanting, weeding, protection from animals and watering, will be carried out by members of the village planting groups supervised by the Community Development Facilitators. Mechanisms and incentives for long-term maintenance of planted trees devised during community action planning will be implemented to ensure survival of trees to maturity and production of forest products, where relevant.

Nurseries will be set up in selected villages at each site where interest is expressed and conditions are suitable. To avoid unprofitable effort, the project will consider the economic sustainability of tree nursery production as a factor in deciding on the number, location and management structure of new tree nurseries. It is envisaged that these nurseries will concentrate on seedlings for home garden or family use and will supply them to all villages within each site as well as to outside villages where demand exists. The project will purchase seedlings from these nurseries, which should become self-sustaining after project termination through the sale of fruit and other home garden tree seedlings in local markets. As such, the nurseries should not require significant external inputs beyond support by district extension services following project closure.

The nurseries will be set up under LoA with a local organisation and training for target groups will be included. The seeds and seedlings themselves will be procured either under the LoA or using expendable equipment budget. It is not envisaged that payments will be required for planting as seedlings will primarily be for rehabilitation of home gardens and family owned lands.

Roles

A local supplier will be contracted to supply and distribute the first batches of seedlings to villages and also to provide supervision of and payment to villagers for planting. Seedling planting and establishment of nurseries will be supervised by the National Coastal Forest Consultant with support from the National Community Development Specialist.

Activity 1.7 Support for income generating activities

Description

On the basis of the PRA and working through the Community Development Facilitators, advice on developing income generating activities identified during PRA will be provided by the project. Although provision of material support is beyond the scope of this project, existing government institutions and agencies will be informed of activities with potential and advised on further development accordingly.

Planning for this activity will take place under during community action planning (activity 1.5)

Roles

National Community Development Specialist working with the Community Development Facilitators and supported by national specialists provided by project according to activities identified.

RESULT 2. Timber supply¹

Support for policies and strategies related to provision of wood for reconstruction from legal and sustainably managed sources provided and related technical support furnished.

Activity 2.1 Support wood supply and demand assessments for reconstruction

Description

Wood supply and demand assessments for rehabilitation and reconstruction will be supported by the project, taking into account long-term sustainability of forest resources. Activities will include:

- Collation of statistics on the extent of and damage to forest resources in Aceh and Nias,
- Estimation of: (i) annual wood-products consumption in Aceh, (ii) additional requirements for reconstruction, and (iii) the annual allowable cut for Aceh,
- Estimation of wood and timber production potential in Aceh Province from a variety of existing and alternative sources,
- Options and constraints to importing wood into Aceh and the potential for increasing local wood supplies, in particular from existing forest plantations.
- Estimation of wood production and processing capacity in Aceh and Nias,
- Assessment of timber prices in Aceh and Nias and at the national level,
- Assessment of wood demand for reconstruction including use for houses, boats, brick making, etc.,
- Examination of constraints in meeting demand and proposed solutions.
- Convening meetings to provide government departments and organizations assisting with rehabilitation efforts information on the wood supply and demand situation.

Roles

Forest products consultant supported by CTA Forestry.

Activity 2.2 Development of a timber supply strategy

Description

Relevant government agencies will be assisted with the development of policy and procedures for procurement and delivery of wood for reconstruction. This will include support for responsible institutions in developing a timber supply strategy for the reconstruction programme that is based on sustainable principles. The strategy will address long-term post rehabilitation issues and the development of a sustainable forestry and wood processing sector.

As a part of this activity, project staff will participate in and support consultative processes between the relevant institutions, actors and principal stakeholders involved in the rehabilitation efforts to clarify the wood demand and supply situation through promoting a coordinated and technically sound approach for wood supply and procurement.

Roles

Forest products consultant supported by CTA Forestry.

¹ The project supported four months consultancy during 2005 and significant progress has been made on the activities listed under result 2. Work included in this section will be largely completed in the first quarter of 2006, followed up by related continuing commitments as needed until the end of the project.

Activity 2.3 Assist in facilitating delivery of timber for reconstruction

Description

Participate in and support discussions with BRR and other relevant government agencies, private sector representatives and representatives of the NGO and donor community to develop proposals for an appropriate chain of custody to monitor and control timber from source to processors.

Technical assistance will also be provided to alleviate problems with the timber supply chain and to facilitate the delivery of timber for reconstruction.

Roles

Forest products consultant supported by CTA Forestry.

Activity 2.4 Produce timber and wood product specifications for reconstruction

Description

Timber and wood product specifications for reconstruction will be produced to include standards in relation to dimensions, preservation, species, structural properties, etc.

Roles

Forest products consultant.

Activity 2.5 Produce guidelines for procurement of legal timber

Description

Guidelines for procurement of legal timber will be developed by the forest products consultant for purchasing legal timber from domestic sources and from overseas.

Roles

Forest products consultant.

Activity 2.6 Produce guidelines to facilitate identification and use of timber from legal sources

Description

Produce guidelines to facilitate identification and use of timber from legal sources in the short, medium and long-term phases of reconstruction.

Roles

Forest products consultant.

Activity 2.7 Develop and maintain a list of wood suppliers

Description

To facilitate procurement of wood for reconstruction, a list of suppliers will be developed by the forest products consultant and maintained by BRR.

Roles

Forest products consultant.

RESULT 3. Capacity building

Institutional capacities for forest rehabilitation, reforestation and tree planting and management at household and village level strengthened and technical advice and coordination among interested stakeholders enhanced.

Activity 3.1 Training workshop on coastal forest rehabilitation and reconstruction

Description

Following production of the Guidelines on Coastal Forest Planting and Management (Activity 3.3) and the PRA (Activity 1.4), training workshops on coastal forest rehabilitation and reconstruction will be held for district and sub-district agencies and institutions, community representatives and community development facilitators as well as other agencies implementing tree and forest related rehabilitation activities.

Roles

National Coastal Forest Consultant supported by the International Mangrove Consultant.

Activity 3.2 Support for coastal area planning and management

Technical support

Description

Technical support will be given to forestry and other government departments¹ for the provision of forestry-related inputs to national, provincial and district coastal area management and coastal rehabilitation and reconstruction plans.

Assistance will be provided to BRR and MoF in formulating long-term strategies for rehabilitation of coastal trees and forests. Support will also be given for re-establishment of district level extension services to facilitate transfer of information between village, sub-district and provincial levels of government.

Information and expertise will be provided through direct links with BRR, MoF and the Dinas Kehutanan and other government agencies and will be summarised towards the end of the project in the guidelines detailed under Activity 3.3.

Roles

CTA Forestry, International Mangrove Consultant, National Coastal Forest Consultant.

Workshop on ecological values and functions of mangroves and coastal forests

Description

On the basis of the regional consultation on the protective function of mangroves and coastal forests in July and the workshop described under activity 3.1, a training workshop will be held at the provincial level for principal forestry and coastal area management stakeholders in Aceh and Nias. District level representatives will also attend the workshops, as will Community Development Facilitators.

The workshop will cover the broad ecological and environmental values of coastal forests in addition to reviewing the extent of benefits purportedly offered by coastal forests during natural disasters and coastal weather events.

Awareness raising should enlist public support to prevent further destruction of mangroves by halting unjustifiable conversion and drawing on technical information supporting the role of

¹ Including provincial and district level integral agricultural technology assessment centres 'Balai Pengajian Teknologi Pertanian' and 'Balai Informasi dan Penyuluhan Pertanian' respectively.

mangroves and other forests in coastal protection, fisheries production and production of wood and non-wood forest products.

Roles

CTA forestry and project partner organisations.

Workshop on integrated coastal area management

Description

On the basis of the regional workshop on forests in integrated coastal area management, a training workshop on this subject will be held at the provincial level during the second half of project implementation to improve understanding amongst government planners, NGOs and community-based organizations of the role of trees and forests in coastal area management. District level representatives will also attend the workshops, as will Community Development Facilitators.

Roles

CTA forestry in consultation with FAO Banda Aceh fisheries and agriculture teams and supported by the National Coastal Forest Consultant.

Activity 3.3 Preparation of technical guidelines

Guidelines on coastal forest planting and management

Description

To promote higher levels of seedling survival than during the early rehabilitation efforts, simple guidelines for coastal forest planting and management will be produced by the project for early distribution to organisations working in coastal area management in Aceh and Nias. The guidelines will include basic information on matching the tree species to the site, planting techniques, post-planting care and maintenance of the seedlings for mangroves and other species used in coastal reforestation in Aceh and Nias. The guidelines will be produced in English, Bahasa Indonesia and Acehinese and distributed to groups active in or planning to be active in coastal tree planting.

Roles

National Coastal Forest Consultant and International Mangrove Consultant.

Guidelines for application of participatory approaches for coastal forest rehabilitation and forest restoration: experience from Aceh Province, Indonesia

Description

On the basis of actions taken and lessons learned during the project, guidelines on participatory approaches and processes in sustainable rehabilitation and restoration of coastal tree and forest resources will be produced for replication in other degraded coastal habitats. The guidelines will be developed throughout the project implementation period to provide a concise guide for similar efforts both in Indonesia and elsewhere.

The guidelines will be launched at a multi-stakeholder seminar in Banda Aceh and Jakarta towards the end of the project period.

Roles

National Community Development Specialist with inputs from CTA Forestry and project consultants.

VII. PROJECT MANAGEMENT

Implementation arrangements

Timeframe and log frame

The timeframe and log frame for the project activities in Indonesia are provided in Sections VIII and IX.

Community action plans

Community action plans for each village included in the project will be based on the PRA and, in the context of integrated coastal area management, will detail areas to be planted, names of those responsible at the village and site level, benefits/incentives to promote maintenance of trees and details of income generating activities identified by the project. The plans will also include assessment of the institutional capacity of agencies involved in project implementation and criteria for measuring project progress at the village level. The village action plans and plans for the long-term maintenance of planted trees will be agreed upon in association with local government agencies.

Implementing agents and partners

The project will be implemented by FAO in association with the Ministry of Forestry, Badan Rehabilitasi dan Rekonstruksi (BRR) and the Aceh and Nias Dinas Kehutanan (Provincial Forestry Service) as well as the district and sub-district forestry offices in the selected sites. A counterpart selected by the Government of Indonesia will work with the CTA to provide a means of liaison with government agencies and a source of locally applicable technical information.

The project will also facilitate establishment of a project steering committee consisting of village forestry stakeholders from government institutions, civil society, NGOs and representatives of villages within the target sites.

Letters of Agreement will be signed with local NGOs and other organisations and companies working in Aceh to carry out the following activities:

- participatory rural appraisal and community action planning;
- production and distribution of seedlings for target villages and hiring and supervising village teams for establishment of seedlings;
- Establishment of nurseries at selected villages within the target sites and associated hiring of villagers and training in nursery management.

The technical staff hired by the project will comprise a Chief Technical Adviser, a National Project Assistant, a National Community Development Specialist, a National Coastal Forest Consultant, four Senior Community Development Facilitators (two at each site) and a pair of Community Development Facilitators, one male, one female, for each two or three villages to work between villages within each project implementation site (approximately twelve pairs in all).

The following short-term consultants will also be hired to support project implementation:

- International Forest Products Consultant
- International Mangrove Consultant
- National Natural Resources Policy Specialist
- National Outcomes and Impacts Monitoring Specialist

Project vehicles

One MOSS compliant vehicle and a second car for use in Banda Aceh will be procured by the project. During the early stages of the project, a hire car will be used by the project in Banda Aceh.

Four motorbikes will be procured by the project for use by the two Senior Community Development Facilitators at each of the two project sites.

Procurement

Procurement will be implemented by FAO in accordance with FAO procurement rules and regulations.

Whenever possible, procurement will be done so as to maximise the financial benefit to the affected populations. For example, to the extent possible, tree seedlings will be purchased from small private nurseries run by people affected by the tsunami.

Collaboration and Coordination

The FAO representative for Indonesia will assume overall responsibility for the implementation of project activities. The FAO representative will be supported by FAO's Emergency Operations and Rehabilitation Division (TCE) in FAO Headquarters in Rome, and locally by TCE staff and consultants in the Rehabilitation Support and Coordination Unit (RSCU) in Banda Aceh. Technical responsibility for the project is under the FAO Forestry Department, coordinated by the Regional Coordinator, Forestry Programme for Early Rehabilitation in Asian Tsunami Affected Countries and supported by forestry officers in HQ and the Regional Office for Asia and the Pacific (RAP).

Coordination between this project and other FAO projects in the agriculture and fisheries sectors will be facilitated through FAO's in-country coordination mechanisms as well as through the Tsunami Task Force and Tsunami Coordination Unit in RAP, and the Tsunami Technical Committee as FAO HQ.

The Government counterpart agency is MoF as implementing partner. The project will work in close collaboration with other relevant departments, including BRR.

The project will liaise closely with other UN agencies (e.g. UNDP and UNEP), multilateral financial institutions (e.g. the World Bank and the Asian Development Bank) and bilateral aid agencies and international and national NGOs (e.g. CARE, Oxfam, Wetlands International, Save the Children, Sekolah Tinggi Ilmu Kehutanan (STIK), Rumpun - Ruang Mitra Perempuan (The Space for Women Friendship)) in order to avoid duplication of efforts and to capture potential synergies among their respective activities.

The project will also facilitate coordination and cooperation at the district and sub-district levels. The Senior Community Development Facilitators will report regularly, as appropriate, to district and sub-district forestry offices, local government officials and other relevant government agencies on project activities and other forest-related tsunami rehabilitation activities.

Project coordination in Indonesia will be facilitated by meetings at various levels, as follows:

- Monthly meetings at the two project sites to review project implementation and exchange information between the project and district and sub-district government agencies, including the CTA or National Project Assistant, the Senior Community Development Facilitators and Community Development Facilitators
- Quarterly meetings for both project sites including the CTA, the Senior Community Development Facilitators, Community Development Facilitators and relevant forestry stakeholders at the District, sub-District and Provincial levels.
- Periodic meetings as necessary with MoF, BRR, the Dinas Kehutanan and other relevant government organisations.

To facilitate coordination of the overall programme under OSRO/GLO/502/FIN, the CTA and the national counterpart will participate in quarterly meetings with the CTAs their counterparts for Sri Lanka and the Maldives and the Regional Coordinator to discuss overall project implementation. One meeting each will be held in Bangkok, Indonesia, Sri Lanka and the Maldives.

Reporting

Description

An inception report will be provided three months after the programme has become operational. It will provide information against which an initial assessment of the programme profile and progress to date may be made by the Government of Finland and FAO. The report will indicate progress made, review the results and activities of the programme, identify indicators to monitor progress against the results and activities, and provide a detailed plan of operations based on the impact and needs assessments carried out.

Progress reports will be prepared at quarterly intervals beginning in March 2006 for submission to the Regional Coordinator and presentation at the quarterly regional meetings. The terminal report of the programme will be prepared and distributed in December 2006.

Roles

CTA Forestry

Monitoring and Evaluation

Description

Monitoring and evaluation of project outcomes and impacts related to each result will be measured on the basis of criteria given in the log frame (Section IX). For community activities implemented under result 1, village level criteria will be developed through the PRA process by the National Impacts and Outputs Monitoring Specialist as detailed under Activity 1.4. These criteria will feed into the overall project indicators given in the log frame.

Standard FAO monitoring and evaluation guidelines will be followed, including those related to measurable indicators, reviews and evaluation reports of the project impact. The Technical Divisions of FAO will provide technical guidance for the monitoring and assessment of the project.

Roles

Project review team, National Outcomes and Impacts Monitoring Specialist, PRA team.

Project Visibility

Description

During the early stages of the project, measures will be taken to publicise the project and the contributions of FAO and Finland by producing and circulating an information note/flyer on summarising project activities. Donor coordination meetings will be attended by project representatives and other measures such as production of T-shirts, signboards and stickers will also be taken to increase visibility.

With respect to the longer-term, visibility and impact will be maximised by implementing the plans detailed here to produce a sound project based on sustainable principles, which will form the basis of guidelines and other publications disseminated in hard copy and through electronic means. Given the absence of unforeseen difficulties, project successes will be publicised during the second half of the project implementation period and visits to the sites will be arranged for coastal area management stakeholders in Aceh and Nias to expand the reach of inputs and allow replication by other agencies and organisations.

Roles

CTA Forestry

Development of project profiles and project proposals

Description

Government agencies will be assisted in developing project profiles and proposals for donor consideration to support follow-on activities and expansion of the project to new areas. This may include development of a strategy for rehabilitation of trees and forests in North Sumatra on the basis of findings from the work detailed in this document.

Roles

CTA Forestry supported by regional level project staff.

Development of exit strategy

Description

A contingency plan will be developed to allow project closure with minimum disruption to village activities in the eventuality that further project funding is not found.

Roles

CTA Forestry

VIII. TIMEFRAME

DESCRIPTION	Jan-06			Feb-06			Mar-06			Apr-06			May-06			Jun-06			Jul-06			Aug-06			Sep-06			Oct-06			Nov-06			Dec-06					
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3
Result 1	Forest rehabilitation, reforestation, tree planting and ICAM																																						
Activity 1.1	Consultation activities and project launch																																						
Activity 1.2	Site selection																																						
Activity 1.3	Review of forestry and land-use policy																																						
Activity 1.4	PRA																																						
	Selection of trainers site 1																																						
	Selection of trainers site 2																																						
	PRA training site 1																																						
	PRA training site 2																																						
	PRA site 1 (two teams, 36 days)																																						
	PRA site 2 (two teams, 36 days)																																						
Activity 1.5	Awareness raising and community development pla																																						
	Site 1 Site 2																																						
Activity 1.6	Tree seedling distribution, planting and management																																						
	Distribution and planting Mngmt and maintenance																																						
Activity 1.7	Support for income generating activities																																						
Result 2	Timber supply																																						
Activity 2.1	Support wood supply and demand assessments																																						
Activity 2.2	Development of a timber supply strategy																																						
Activity 2.3	Assist in facilitating delivery of timber																																						
Activity 2.4	Produce timber and wood product specifications																																						
Activity 2.5	Produce guidelines for procurement of timber																																						
Activity 2.6	Produce guidelines for identification and use of timber from legal sources																																						
Activity 2.7	Develop and maintain a list of wood suppliers																																						
Result 3	Capacity building																																						
Activity 3.1	Training on coastal forest rehab and recons																																						
Activity 3.2	Support for coastal area planning and mngmt																																						
	Technical support																																						
	Workshop on mangroves, coastal forests and protectn Workshop on integrated coastal area management																																						
Activity 3.3	Preparation of technical guidelines																																						
	Guidelines on coastal forest planting and management																																						
	Guidelines for coastal forest rehabilitation and restoration																																						
	Presentation of guidelines																																						
Project management																																							
Reporting																																							
Monitoring and evaluation																																							
Criteria developed																																							
Monitoring missions																																							
Project visibility																																							
On-going activity																																							
Development of project proposals																																							
On-going activity																																							
Development of an exit strategy																																							
Consultants	International Forest Products Consultant																																						
	International Mangrove Consultant																																						
	National Coastal Forest Consultant																																						
	National Community Development Specialist																																						
	National Project Assistant																																						
	National Natural Resources Policy Specialist																																						
	National Impacts Monitoring Specialist																																						
	Senior Community Development Facilitators																																						
	Community Development Facilitators																																						

IX. LOGFRAME

	<i>Intervention Logic</i>	<i>Objectively Verifiable Indicators</i>	<i>Sources of Verification</i>	<i>Risks and Assumptions</i>
Principal Objective	To restore and improve the livelihoods of the tsunami-affected population who are dependent on forestry resources			
Specific Objectives	<p>To sustainably rehabilitate and restore coastal tree and forest resources in tsunami affected areas through participatory approaches and in the context of integrated coastal area management.</p> <p>To assist government agencies in co-ordinating and monitoring the supply and demand of wood for reconstruction, ensuring suitable technical specifications and maintaining environmental sustainability standards.</p> <p>To build capacity in planning and implementing rehabilitation, restoration and sustainable management of coastal trees and forests at community, district and provincial level, through technical support, coordination, workshops, training and production of guidelines.</p>	<ul style="list-style-type: none"> • Protection, rehabilitation and planting of forests and trees at the target sites according to needs identified through PRA. • Policies, strategies and mechanisms in place to ensure provision of suitable and environmentally sound timber for reconstruction. • Community plans, technical guidelines and strategies developed for coastal forest rehabilitation, reforestation and tree planting at household and village level; effective participatory processes in place to support implementation of the plans; technical capacities enhanced to provide support for implementation. 	<ul style="list-style-type: none"> • Monitoring and evaluation reports comparing results achieved against the baseline information gathered by the damage and needs assessments in the forestry sector as carried during the PRA • Monitoring and evaluation reports will indicate the strategies and plans drawn up, local institutions strengthened and training activities carried out. • Project records of attendance at workshops and training courses, and of production and distribution of guidelines. 	<p>The responsible national and local authorities are supportive of community-led approaches.</p> <p>Adequate information and support for development of strategies and plans are available.</p>
Results	<p>Result 1</p> <p>Community action plans and supporting guidelines and approaches for forest rehabilitation and reforestation developed in the context of integrated coastal area management. Forest rehabilitation, reforestation and tree planting and management at household and village level initiated and on-going.</p>	<ul style="list-style-type: none"> • Number of households benefiting from tree planting or associated activities - disaggregated by gender and income level/vulnerability. • Number of hectares of forest under rehabilitation or planted • Number of seedlings established and growing. • Number of participants who attended specialized training activities • Number of villages with strengthened capacity to plan and manage forestry activities • The forest sector included in national and sub-national rehabilitation and 	<ul style="list-style-type: none"> • Project technical reports. • Monitoring/evaluation reports. • Physical verification and measurement. • Group interviews of beneficiaries. 	<p>Absence of major security problems and restrictions on the movement of project staff.</p> <p>Availability of input from potential supplier (quantity, quality, timeliness, and location) as required for smooth implementation of project activities.</p> <p>Villagers in a position to resume sustainable livelihood activities.</p> <p>No constraint or problem in relation to land rights, entitlement, and/or ownership.</p> <p>Coordination mechanisms among concerned Government authorities, national and international humanitarian agencies and organizations active in the forestry and related (agriculture and fishery) sectors agreed and operational.</p>

	<p>Result 2 Support for policies and strategies related to provision of wood for reconstruction from legal and sustainably managed sources provided and related technical support furnished.</p> <p>Result 3 Institutional capacities for forest rehabilitation, reforestation and tree planting and management at household and village level strengthened and technical advice and coordination among interested stakeholders enhanced. Institutional capacities for forest rehabilitation, reforestation and tree planting and management at household and village level strengthened and technical advice and coordination among interested stakeholders enhanced.</p>	<p>reconstruction plans</p> <ul style="list-style-type: none"> Guidelines and technical information for coastal forest rehabilitation and reforestation available and being used Project proposals developed to support the implementation of the plans <ul style="list-style-type: none"> Clear and consistent policies and guidelines regarding sourcing timber for reconstruction developed by the Government of Indonesia Wood consistent with the Government policy available on the market for reconstruction. <ul style="list-style-type: none"> Number of people attending workshops and training courses. <ul style="list-style-type: none"> Copies of guidelines distributed and in use. 		
<p>Activity</p> <p>1.1</p> <p>1.2</p> <p>1.3</p> <p>1.4</p> <p>1.5</p> <p>1.6</p> <p>1.7</p> <p>2.1</p> <p>2.2</p> <p>2.3</p> <p>2.4</p>	<p>Activities per result:</p> <p><u>Result 1</u></p> <p>Consultation activities and project launch</p> <p>Site selection</p> <p>Review of forestry and land use policy</p> <p>Participatory Rural Appraisal</p> <p>Awareness raising and Community action planning</p> <p>Tree seedling distribution, planting and management</p> <p>Support for income generating activities</p> <p><u>Result 2</u></p> <p>Support wood supply and demand assessments for reconstruction</p> <p>Development of a timber supply strategy</p> <p>Assist in facilitating delivery of timber for reconstruction</p> <p>Produce timber and wood product specifications for reconstruction</p>	<p>Means</p> <p>See proposal</p>	<p>Costs</p> <p>See detailed budget</p>	

2.5	Produce guidelines for procurement of legal timber			<p style="text-align: center;"><i>Pre-conditions</i></p> <p>Stable security situation and accessibility of the project area.</p>
2.6	Produce guidelines to facilitate identification and use of timber from legal sources			
2.7	Develop and maintain a list of wood suppliers			
	<u>Result 3</u>			
3.1	Training workshop on coastal forest rehabilitation and reconstruction			
3.2	Support for coastal area planning and management			
3.3	Preparation of technical guidelines			

X. GOVERNMENT CONTRIBUTION AND SUPPORTING ARRANGEMENTS

The Ministry of Forestry will be the Government counterpart agency responsible for the project. A focal point for the project will be nominated to facilitate liaison with FAO.

Gol will:

- nominate a national project coordinator who will work for the project at no cost to FAO and who will liaise with the international and national experts on all aspects of project implementation;
- make available the services of qualified staff for the duration of the project as necessary;
- provide all necessary facilities for the efficient operation of the project including access to information, data, and storage space as required;
- assist as much as possible in the transport of inputs to the beneficiaries free of charge;
- provide administrative and technical support that may be required for the successful completion of the project;
- allow the FAO Representative accredited to the country, or any other FAO official designated by him/her to visit the project sites to follow up the project implementation.

ANNEX 1. TERMS OF REFERENCE

Chief Technical Adviser (CTA) – Forest, Indonesia

Tasks of the Chief Technical Adviser

This consultancy will be carried out under the operational leadership of FAO's Emergency Operations and Rehabilitation Division (TCE). TCE's mandate is "to enhance rural people's resilience and ability to recover from human and natural disasters". Within the context of the Asian Tsunami emergency response, FAO, through TCE and the organization's technical departments, is working closely with the Governments of affected countries and with partner agencies to provide emergency assistance and rehabilitation of the agriculture, forestry and fisheries sectors. This includes extensive needs assessment, recovery planning, provision of substantial material inputs, and mobilization of communities to support recovery processes. Due to the rapidly evolving nature of the response, there is a requirement for flexibility in addressing these needs, and the Consultant may be called upon to support assessments, planning, project design and management of actual delivery of assistance as required by the circumstances

Under the general guidance of the Chief TCEO, under the overall supervision of the FAO Representative in Indonesia (FAOR), under the general operational supervision of the FAO Emergency and Rehabilitation Coordinator for Indonesia, under the technical supervision of the Programme Coordinator for the Regional Forestry Programme for Tsunami Rehabilitation, and in close cooperation with government counterpart officials, national and provincial authorities and in coordination with other international and national actors, the Chief Technical Officer - Forest shall:

- Within one month of arrival, develop a detailed country plan of operation (including results, activities, workplan/timetable, geographic location, budget and human resources inputs for the forest sector and in particular for the Finnish funded rehabilitation programme based on the project document OSRO/GLO/502/FIN (and in line with the four specific objectives). Review and revise the country plan, as necessary, on a six month basis and with adequate consultation of the Government and all relevant stakeholders. The plan should indicate linkages to Indonesia's Master Plan for Rehabilitation and Reconstruction and/or more detailed plans developed by BRR and the provincial and district governments for medium term rehabilitation and longer term reconstruction in the forest and related sectors.
- Develop and execute a monitoring plan for the forest project activities in order to follow up efficiently project's results and impact.
- Manage all technical and daily operational aspects of FAO's forest-related tsunami rehabilitation programme in Indonesia, in particular the activities of the programme funded by the Government of Finland.
- Remain in close communication with the Programme Coordinator for the Regional Forestry Programme for Tsunami Rehabilitation on all technical aspects of the Indonesian component and assist in the organization and implementation of regional activities (workshops, training courses, studies, etc.) in order to facilitate coordination and a programme approach across the programme's components.
- Work in close collaboration with FAO's Chief Technical Officer-Agriculture and Chief Technical Officer-Fisheries in Indonesia to ensure close coordination and integration of forestry, fisheries and agriculture activities, particularly as regards support to integrated coastal area management.
- Assume a coordination role for technical inputs to forest-related rehabilitation and reconstruction activities in Aceh by initiating and/or participating in coordination meetings between FAO, Government officials, other UN organizations, donor agencies and NGOs working in the forest sector to provide guidance to parties on both policy and technical matters in the sector.

- Review available information and regularly brief the FAO Representation and Emergency Offices and UN Country Team in Indonesia and the Programme Coordinator for the Regional Forestry Programme on ongoing and planned activities and assessments related to forestry sector.
- Provide information and advice, as requested, to the FAO secondment(s) to BRR regarding technical and policy issues in forestry and the coordination of forest-related rehabilitation assistance provided by international organizations, donor organizations, NGOs and other organizations.
- Identify and assess opportunities for project development and assist in the preparation of project profiles and project documents for submission to potential donors for medium and longer term interventions relating to forestry and livelihoods rehabilitation to facilitate a smooth transition to these next phases of assistance.
- Keep BRR fully informed of developments, particularly where sensitivities may require further consideration; and that, as a prime dialogue partner on issues related to Aceh and Nias, seek to resolve issues of concern regarding Aceh and Nias with BRR before engaging in a wider dialogue with partners outside Aceh and Nias.
- Liaise closely with the Dinas Kehutanan on technical aspects of the programme and keep the Dinas fully informed of plans and on-going developments in programme implementation.
- Perform other related duties, as assigned.

Forest Products Consultant (three missions)

Assessment of Timber Demand & Supply for Post-Tsunami Reconstruction in Indonesia

Tasks of consultant:

Under the general guidance of the Chief TCEO, the technical guidance of the Coordinator, Regional Coordinator, Regional Forestry Programme for Tsunami Rehabilitation; under the overall supervision of the FAO Representative in Indonesia and the general daily supervision of the FAO Emergency and Rehabilitation Coordinator in Aceh; and in close cooperation with national and provincial Government of Indonesia (GOI) officials at various levels, and in coordination with representatives of other international organizations, donor countries and NGOs involved in the Forestry sector, the main tasks of the consultant are as follows:

First mission

- Liaise with, collect information from, and provide advice, as requested, to national and provincial authorities responsible for forestry, forest products and reconstruction issues on the issue of wood supply for reconstruction activities;
- Liaise with the national and provincial governments, FAO and other relevant UN agencies, donors and NGOs to gather information on the main processes of, and stakeholders in, reconstruction and how wood supplies fit into this, including assessments that have been made of the wood demand for reconstruction (quantities of different products), and financial, sourcing, and physical delivery constraints placed on them in terms of how wood is procured and made available for reconstruction;
- Visit affected areas to assess the situation on the ground;
- Assess the timber and wood products required for reconstruction by quality and quantity;
- Assess possible domestic supplies, using available information, and identify any policy, institutional or logistical factors that would affect timber availability;
- Assess timber and wood products supply rates (m³/month, tonne/month, etc.) routes and costs;
- Ascertain the quantity and quality of imports of timber and wood products from other countries which may be necessary to meet shortfalls in supply;
- Assess the national legal and policy framework of relevance for replacing the destroyed timber and wood products for construction;
- Attend relevant forest-related meetings in Jakarta or in Aceh province, at the request of the FAO Representation in Indonesia, for the purposes of providing technical support or coordination;
- Prepare a report describing the main processes of, and stakeholders in, reconstruction and, in light of this, provide information on the timber and wood products demand and supply situation for reconstruction purposes, recommending measures to be taken to meet the requirements, and indicating possible roles of FAO in providing assistance

Second mission

- Continue FAO's work in providing technical advice to the GOI, through BRR but in close collaboration with the Ministry of Forestry, to develop an integrated timber policy, together with related wood supply strategies, for post-tsunami reconstruction in Aceh and Nias islands.
- Facilitate dialogue and meetings between GOI, industry groups, donor organizations, NGOs and other relevant stakeholders in the development and implementation of the wood supply strategies.
- Work with all stakeholders to finalize and implement the draft procurement guidelines and wood specifications as well as the list of potential suppliers of wood developed by the previous consultant.

- Adapt technical guidelines to facilitate the procurement of wood from suitable sources and of appropriate technical specifications.
- Assist BRR in negotiations concerning State-to-State donations of wood for tsunami reconstruction, with particular attention to meeting the necessary quantities and qualities suitable for the unique prevailing conditions in Indonesia.
- At the request of FAO's Emergency Coordinator in Aceh and/or the FAO Representation in Indonesia, attend relevant forest-related meetings in Aceh province and, as necessary, in Jakarta, for the purposes of providing technical support or coordination.

Third mission

- Finalize and distribute the draft timber procurement guidelines, technical timber usage guidelines, timber legality guidelines, and the supplier list,
 - Consult BRR staff on the use and usability of the above-mentioned guidelines and supplier list and, based on the guidance received, outline the steps to be carried out for peer review, finalization and distribution of these documents;
 - Finalize the documents based upon the guidance received and peer review and input of the BRR, Dinas Kehutanan, Ministry of Forestry, NGOs, international donors and other stakeholders, convening meetings as necessary for this purpose;
 - Distribute the documents and arrange for their wide access through posting on the World Wide Web;
 - Make recommendations to provide for the continual updating of these products, including who should be responsible for this.
- Provide technical advice to the Government of Indonesia on short and medium-term timber sourcing strategies and plans, as requested.
- Assist the Chief Technical Officer-Forest in the development of a detailed plan of operations for the implementation FAO's the Regional Forestry Programme for Tsunami, and specifically the wood supply component of Rehabilitation for its duration, including technical assistance, training and capacity strengthening activities, and including a budget and timetable.
- Working in close collaboration with the Ministry of Forestry, Dinas Kehutanan and forest industry groups and end users, investigate the potential for increasing the local wood supply stream of sustainably produced timbers, in particular from planted forests. Recommend steps to be taken (what, when and by whom) to develop this resource.
- Any other tasks as may be requested by the FAO Emergency and Rehabilitation Coordinator and Chief Technical Officer-Forest.

The consultant will work closely with BRR, the Dinas Kehutanan and Ministry of Forestry, and will hold regular consultations with other key stakeholders.

International Mangrove Consultant

Regional Forestry Programme for Tsunami Rehabilitation

8 January – 15 May 2006 (three months when actually employed)

Tasks to be undertaken by the consultant

Under the general guidance of the Chief TCEO, the technical coordination of the Coordinator, Regional Forestry Programme for Tsunami Rehabilitation, the overall supervision of the FAO Representative in Indonesia and the general supervision of the FAO Emergency and Rehabilitation Coordinator and FAO's Chief Technical Adviser-Forest in Banda Aceh; in response to the short and medium-term rehabilitation and reconstruction needs identified by the BRR; in close cooperation with BRR, relevant line Ministries (in particular the Ministry of Forestry) and other national and provincial Government of Indonesia (GOI) officials at various levels (principally the Dinas Kehutanan); and in coordination with representatives of other international organizations, donor countries and NGOs involved in the forestry sector, the main tasks of the consultant are as follows:

- 1) Identify current (and proposed) principal actors and stakeholders involved in the rehabilitation and reforestation of coastal, including mangrove, forests that fall within the Tsunami reconstruction effort.
- 2) With the actors identified in 1) above, review past and current forest rehabilitation and reforestation initiatives as to their effectiveness and efficiency in delivering their objectives.
- 3) In close consultation with BRR and relevant actors identified in 1) above, including NGOs, facilitate the identification of an appropriate approach and supporting process for the development of a strategy for Aceh Province that contains standard operational procedures and cost norms for the rehabilitation of coastal and mangrove forests.
- 4) Identify the forums (structures and mechanisms) and technical needs associated with the strategy for coastal and mangrove forestry establishment and rehabilitation.
- 5) Building upon existing materials, develop well illustrated guidelines and technical manuals relevant to a) selection of rehabilitation sites, b) species identification/selection, c) propagation/sourcing of planting material, d) site preparation and planting techniques, e) plantation management and maintenance of selected areas.
- 6) Assist in the preparation of relevant extension and media materials such as pamphlets and field guides on coastal and mangrove forest rehabilitation, replanting, management and maintenance for Aceh and Northern Sumatra.
- 7) Using the materials developed under 6) and in close co-operation with the Provincial Forestry Department (Dinas Kehutanan) and in consultation with BRR, organise training courses for forest technicians, NGO members and selected community representatives on coastal and mangrove forest rehabilitation and establishment. Finalise printed materials for distribution to the principal actors and stakeholders using information and feedback from the training courses.
- 8) Identify capacity/competency training needs associated with the planning, management and technical aspects for coastal and mangrove forest rehabilitation.

These findings are to be presented in the form of a draft capacity building and training plan that includes identification of human resource and financing requirements.

- 9) Carry out other activities in discussion with the CTA that may be necessary to complete the consultancy requirements.

Reporting: At the end of the mission, prepare an end-of-mission report. The report should include an executive summary; description of the work carried out, and recommendations for follow-up action both on the part of the Government of Indonesia and for FAO regarding technical assistance to and coordination of coastal forest rehabilitation activities. The final drafts of the technical manuals and all training materials developed and used in the training course (Powerpoint presentations, written materials, etc.) should be submitted with the report. The end-of-mission report should be sent to Chief, TCEO no later than one week after the end of the mission

Security: Before starting the mission/travel, the consultant must find out in what security phase is the country of assignment and what this implies for his/her own security. As soon as s/he arrives at the duty station, through the FAO Representation or directly s/he must contact the designated UN security officer to be briefed on all the recommended security measures. In case this procedure is not properly applied, the consultant/PSA holder may not be covered under the Malicious Act Insurance Policy.

Medical: The consultant on duty travel must accept responsibility for their health and well being as part of their official duties and also on their return.

The following are the main responsibilities of the traveller:

- seek health advice, preferable 4 to 6 weeks before travel;
 - compliance with recommended vaccinations and other prescribed medication and health measures;
 - ensure health precautions are taken before, during and after travel;
- obtain a physician's letter pertaining to any prescription medicines, syringes, etc., being carried;
- precautions to avoid transmitting any infections disease to others during and after travel;
 - report any illness on return, including information about all recent travel;
 - respect the host country and its population.

Dates and duration of the assignment: 3 months when actually employed over the four and half month period divided into two missions, thus allowing for a break and preparation of technical and training materials at the place of recruitment. Briefing and debriefing to take place at the FAO Regional Office in Bangkok.

Location: Aceh, with frequent visits to field sites in the affected areas, and with trips to Jakarta, as necessary. Finalization of report may be done at place of recruitment.

Language: English; Bahasa Indonesia would be beneficial.

Qualifications: A Masters degree in forest management, forest ecology or coastal zone management with a minimum of fifteen years of related working experience, including with field postings in developing countries and including extensive experience in mangrove rehabilitation and management.. Experience in Asia, particularly in Indonesia, preferable. Fluency in English. Knowledge of Bahasa Indonesian a plus.

National Coastal Forest Consultant

OSRO/GLO/502/FIN: Forestry Programme for Early Rehabilitation in Asian Affected Countries

Tasks to be undertaken by the consultant

Under the overall supervision of the FAO Representative in Indonesia, general supervision of the FAO Emergency Coordinator for Indonesia, and the technical guidance of the CTA Forestry, and in close collaboration with the international mangrove consultant, carry out the following activities:

1. Preliminary identification of current (and potential) principal actors and stakeholders involved in the rehabilitation and reforestation of coastal, including mangrove, forests that fall within the Tsunami reconstruction effort.
2. Assist BRR, in collaboration with the Dinas Kehutanan, develop a data base and information management system for forest rehabilitation and reforestation activities being carried out in the tsunami affected areas, including those supported by the Government, NGOs, UN agencies, other national and international organizations.
3. Assist BRR, in collaboration with the Dinas Kehutanan, with the collection of data and information on forest rehabilitation and reforestation activities (sites, area treated, number of seedlings planted, investment, etc).
4. Undertake a preliminary assessment and subsequent selection of potential areas (on the North-East and West coast of Aceh Province) where FAO, and potential partners, can demonstrate appropriate participative approaches and process and technical guidelines for community-driven coastal forest rehabilitation and reforestation and agroforestry activities.
5. With the international mangrove specialist, actors identified in 1) and CTA Forestry, identify two sites where FAO can implement with its potential partners [unclear sentence from here can practically identify, demonstrate and implement the activities required to support developing an integrated coastal zone management plan for Aceh Province] the above-mentioned community-driven forestry activities.
6. In consultation with the actors and CTA Forestry actively participate in the identification and establishment of appropriate forums (structures and mechanisms) and technical needs associated required to implement an integrated coastal and mangrove forestry strategy.
7. Collect technical guidelines, training and extension materials related to Indonesian coastal forest and mangrove establishment, rehabilitation and management that exist in Indonesian and English.
8. With the international mangrove specialist, support the organisation of training courses for forest technicians, NGO members and selected community representatives on coastal and mangrove forest rehabilitation and establishment.
9. With the international mangrove specialist develop well illustrated guidelines and technical manuals for the identified groups that are relevant to a) selection of rehabilitation sites, b) species identification/selection, c) propagation/sourcing of planting material, d) site preparation and planting techniques, e) plantation management and maintenance of selected areas.
10. Assist in the preparation of relevant extension and media materials such as pamphlets and field guides on coastal and mangrove forest rehabilitation, replanting, management and maintenance for Aceh and Northern Sumatra.
11. With the international mangrove specialist and CTA Forestry, identify capacity/competency training needs associated with the planning, management and technical aspects for coastal and mangrove forest rehabilitation. These findings are to be presented in the form of a draft capacity building and training plan (in

Indonesian and English language) that includes identification of human resource and financing requirements.

12. Carry out other activities in discussion with the CTA that may be necessary to complete the consultancy requirements.

Reporting: At the end of the mission, prepare an end-of-contract report for the CTA Forestry. The report should include an executive summary; description of the work carried out, and recommendations for follow-up action regarding technical assistance and coordination of coastal forest rehabilitation activities.

Qualifications: A degree in forest management, forest ecology or coastal zone management with a minimum of 8 years of related working experience. Knowledge of some spoken English necessary.

Duration: 6 months

National Community Development Specialist - DRAFT

Tasks to be undertaken by the consultant

Under the overall supervision of the FAO Representative and the general supervision of the Emergency and Rehabilitation Co-ordinator in Indonesia, the direct supervision of the Chief Technical Adviser-Forests, the National Community Development Specialist shall:

- Oversee community development activities in project villages on the basis of the community action plans;
- Develop guidelines for application of participatory approaches for coastal forest rehabilitation and forest restoration: experience from Aceh Province, Indonesia;
- Oversee tree seedling distribution, planting and management activities;
- Oversee nursery establishment and training activities;
- Coordinate and supervise Senior Community Development Facilitators and Community Development Facilitators in community development and forest and tree rehabilitation and replanting activities;
- Provide advice to district and sub-district government agencies on development of village based income generating activities identified during the PRA;
- Organise and provide support for project meetings at the district level;
- Provide support for project workshops on mangroves, coastal forests and coastal protection and integrated coastal area management;

Duration : Eight months

EOD : May 2006

National Project Assistant

In line with the above, a “National Project Assistant” (NPA) position has been established to support the effective and efficient implementation of the project activities.

Job description:

Under the overall supervision of the FAO Representative and the general supervision of the Emergency and Rehabilitation Co-ordinator in Indonesia, the direct supervision of the Chief Technical Adviser-Forests, the Indonesian National Project Assistant shall:

- Promote links and networks to build partnerships with the responsible government institutions and principal actors.
- Work closely with the responsible institutions and principal actors and provide up to date information related to the project and its activities
- Represent the project interests in meetings, workshops and seminars
- Facilitate and support the implementation of project activities required to achieve defined outputs
- Where necessary, provide technical advice and assistance on project activities and their implementation.
- Provide information and advice as requested by FAO secondment(s) and BRR regarding technical and policy issues in forestry, forestry rehabilitation.
- Identify and assess opportunity for future project development
- Support the management and administration of the project
- Carry out special duties as determined by the CTA (Forestry) Banda Aceh.
- Write progress reports

Qualifications and Experience.

The position is a senior one, and requires enthusiasm and commitment to the achievement of the project objectives. The following qualifications and experience are required:

- A higher degree in a relevant field (PhD preferred).
- Substantial experience in project management within a development context is essential.
- Good skills and experience in presentation of project objectives and results to a wide range of audiences, including government officials and the wider community.
- Knowledge and experience of development and social issues within Aceh Province will be an advantage.
- A good standard of spoken, written and reading English is essential.

Duration : 11 months

EOD : 20 January 2006

Senior Community Development Facilitators - DRAFT

Two facilitators at each project site

Tasks to be undertaken by the consultant

Under the overall supervision of the FAO Representative and the general supervision of the Emergency and Rehabilitation Co-ordinator in Indonesia, the direct supervision of the Chief Technical Adviser-Forests, the Senior Community Development Facilitators shall:

- Coordinate and support the activities of the Community Development Facilitators (CDF) in a proactive and participatory way.
- Support the arrangement and implementation of the PRA training programme and community awareness and development programme
- Support the development of community groups and individuals involved in project activities.
- Actively participate in the development of a community work programme
- Actively participate in the implementation of the community work programme
- Liaise with the district and sub-district forestry offices and government agencies;
- Provide day to day monitoring of project implementation at the site level and provide regular reports to the CTA's office in Banda Aceh;
- Carry out other duties as discussed and agreed by the CTA Forestry and National Project Assistant.
- Spend at least 20 days/month in the field.

Duration : Eleven months.

EOD : February 2006

Community Development Facilitators - DRAFT

One pair of Community Development Facilitators for two villages. Approximately twelve pairs in all.

Tasks to be undertaken by the consultant

Under the overall supervision of the FAO Representative and the general supervision of the Emergency and Rehabilitation Co-ordinator in Indonesia, the direct supervision of the Chief Technical Adviser-Forests, the Community Development Facilitators shall:

- Support villagers in implementing project activities;
- Liaise with Senior Community Development Facilitators and villagers on project implementation activities;
- Monitor day to day implementation of project activities at village level and provide regular reports to the Senior Community Development Facilitators

Duration : Nine months.

EOD : April 2006

National Outcomes and Impacts Monitoring Specialist - DRAFT

2 weeks desk based and with PRA then 2 week mid-term and 2 weeks at end.

Tasks to be undertaken by the consultant

Under the overall supervision of the FAO Representative and the general supervision of the Emergency and Rehabilitation Co-ordinator in Indonesia, the direct supervision of the Chief Technical Adviser-Forests, the National Outcomes and Impacts Monitoring Specialist shall:

- Assist villagers in identifying results and impact indicators as part of the PRA process;
- Collect and collate information for monitoring and evaluation of field activities in Indonesia;

Duration : Six weeks.

EOD : Mid March 2006

Terms of Reference for Identification of Project Sites: Project

Background

The project aims to identify two sites that are representative of the two principal types of coastal forest found in Aceh province. This will require identification of a site on the west coast where the typical coastal forest environment is a mixture of coastal species associated with high energy marine shoreline environment. Similarly on the north east coast the project requires identification of a coastal forest typical of a low energy marine shoreline.

Successful identification of these two sites is a critical first step in the development of the approaches and processes required to integrate community based land use management into a wider coastal zone policy context.

The terms of reference will describe the process for selection of project sites using the criteria described in the work plan.

The criteria are described below with the activities required of the consultant to achieve the overall objective.

Methodology

The consultant will develop a system of assigning scores for each of the criteria to arrive a total score for each of the potential locations. The scoring system will be developed in conjunction with the Forestry Office Banda Aceh team.

Significant tsunami damage to forests and trees

Prior to the tsunami there was already considerable loss of coastal vegetation types throughout Aceh province as a consequence of local development practices. The tsunami has destroyed considerable areas of the remaining vegetation and also much of the current land use infrastructure.

The damage was widespread, but was not uniform. The project requires identification of suitable areas where damage from the tsunami was extensive, comprising more than 50% of the land area within the coastal zone. The locations selected should be those areas where damage is uniform and severe throughout the site. The project is looking for sites where the level of damage prevents local communities re-establishing the resources by themselves.

Affected populations housed and settled

The project requires that the people located within the selected sites are part of the local population and will not at some future point in time either move away to new locations by themselves or, be encroached upon by others.

Communities demonstrate interest in the proposed work

The involvement of the communities of the affected areas within the project is vital. The willingness of the communities to work with partner organisations is fundamentally important in the reestablishment of their coastal resources and must be carefully assessed by the consultant.

Local governance structures functioning sufficiently

While it is recognised that severe dislocation of all governance structures in coastal villages has occurred as a result of the tsunami, it would be preferable to locate the project sites within areas where some level of governance structure and recovery is already evident. The consultant is therefore required to meet with local governance officials and assess their desire and capacity to actively participate in, and promote this project.

Each of the project sites must be located within one, or at most two Kecamatan.

Within logistical reach of Banda Aceh

To avoid significant travel time and associated costs, the consultant is required to identify locations that can easily be reached by vehicle within a days travelling time from Banda Aceh.

However, should an ideal site be located further away from Banda Aceh it can be put forward for evaluation and consideration by the project team.

Partner organisation already working in area or willing to work in the area

The consultant is required to identify partner organisations that are already working in the areas under consideration and to assess the suitability of these organisations for participation in the project.

This is to ensure that the project objectives are compatible with the activities of partner organisations already active in the area in so far as they complement rather than conflict with other projects.

No potentially obstructive Land tenure issues likely to prohibit forest development activities

The consultant has to provide an assessment of the current land use tenure in consultation with all the principal stakeholders. The selection of suitable sites is dependent on the stability of the current land use tenure system and the likelihood of implementing a forest rehabilitation strategy within that tenure system.

It is likely that there will some disputes over land use and boundaries at both community and local governance levels. The consultant should determine whether these disputes could be easily resolved, or present significant barriers to project implementation.