



GCP/RAS/218/JPN

**“Regional Programme for Participatory and
Integrated Agriculture, Forestry and Fisheries
Development for Long-term Rehabilitation and
Development in Tsunami-affected areas (RAFFTA)”**

PLAN OF OPERATION

FOR

MALDIVES

YEAR 2008

(January – December 2008)

1. Background

This regional programme officially started in September 2006 (official endorsement by the government of the Maldives obtained in October 2006 and the National Project Coordinator (NPC) formally nominated in February 2008). The regional inception workshop was convened in April 2007 to discuss and endorse draft Plan of Operations (PO). PRA studies were conducted in October 2007, and a national inception workshop was conducted in January 2008 to further refine the PO. Subsequently, the 5-year PO was finalized and submitted to the government for formal endorsement in March 2008, and this annual PO for 2008 is prepared based on the 5-year PO.

2. Key Activities and Expected Outputs

Key activities and expected outputs in 2008 are highlighted as below:

Cross Sectoral Activities

Project coordination and management

The National Project Manager (NPM) coordinates very closely with all stakeholders including relevant government line ministries/departments and others for the overall implementation of project activities. NPM will facilitate and support all field-based activities and their preparation.

| Activities | Action |
|--|---------------|
| ✓ Organize national coordination workshops and meetings <ul style="list-style-type: none">○ organize a national project inception workshop [done] | FAO/NPC |
| ✓ Facilitation and support for field based activities <ul style="list-style-type: none">○ facilitate and support all field-based activities and their preparation and implementation | FAO/NPC |

| Input (January-December 2008) | Estimated cost |
|---|--------------------|
| Consultant 12 months (\$ 1,000/month) | \$ 12,000 |
| Contracts | - |
| Overtime | - |
| Travel DSA for field visits | \$ 2,000 |
| Training national project inception workshop | \$ 7,000 |
| Expendable Procurement | \$ 2,000 |
| Non Expendable Procurement office furniture and equipments | \$ 3,500 |
| General Operating Expenses office sharing cost (@\$250 x 12), phone/internet bill (@ \$80 x 12) | \$ 4,360 |
| Total | [\$ 30,860] |

Local Partnership Group (LPG, Gadhdhoo Partnership (GP))

A partnership of relevant stakeholders from various sectors and actors at all levels to be promoted by establishing a pilot forum called “Gadhdhoo Partnership (GP)” for raising, discussing and addressing the diverse needs, priorities and concerns of stakeholders. Members include representatives of this programme, National Steering Committee of this programme, Cooperative Society, atoll office, island office, farmers, fishermen, Island Development Committee (IDC), Island Women Development Committee (IWDC), local NGOs, resort, etc.

| Activities | Action |
|--|--|
| <ul style="list-style-type: none"> ✓ Formulation of GP <ul style="list-style-type: none"> ○ determine and agree a basic strategy of GP including tentative operating rules/procedures of GP [done] ○ provide feedbacks to effective GP strategy from the community and membership organizations review | FAO/NPC/Island Office, Gadhdhoo FAO/NPC/Island Office, Gadhdhoo |
| <ul style="list-style-type: none"> ✓ Implementation of GP <ul style="list-style-type: none"> ○ conduct GP meetings according to the agreed operating rules/procedures strategy and utilize the forum for planning, implementation, monitoring purpose of project activities. For monitoring, community-led processes should be emphasized. Meeting minutes to be prepared by the secretary of GP for record and following up. | FAO/NPC/Island Office, Gadhdhoo |

| Input (January-December 2008) | Estimated cost |
|---|-------------------|
| Consultant | - |
| Contracts | - |
| Overtime | - |
| Travel GP members, etc. | \$ 1,500 |
| Training regular meetings 3 times @ 500 | \$ 1,500 |
| Expendable Procurement stationeries, etc. | \$ 500 |
| Non Expendable Procurement | - |
| General Operating Expenses | - |
| Total | [\$ 3,500] |

Transportation and infrastructure development

Develop and improve modes of transportation between Gan and Gadhdhoo islands by providing a safe boat which to be managed and operated by the IDC. A toilet facility will be installed carefully to minimize the impacts on sensitive island ecosystem particularly to turtle nestling grounds.

| Activities | Action |
|---|-------------------------------------|
| ✓ Establishment of ferry service | |
| ○ select and provide a suitable small boat (reliable and economical) | FAO/NPC/MAD/Island Office, Gadhdhoo |
| ○ design a suitable ferry service between the two islands and its management system by IDC, including a revolving fund system with fee collection | FAO/NPC/MAD/Island Office, Gadhdhoo |
| ○ provide fuel and captain/crew costs for initial one month period | FAO |
| ✓ Provision of toilet | |
| ○ install a small toilet facility; consider options to introduce an environmentally friendly model in liaison with other UN agencies | FAO/NPC/MAD/Island Office, Gadhdhoo |

| Input (January-December 2008) | Estimated cost |
|---|--------------------|
| Consultant | - |
| Contracts installment of a toilet facility in Gan | \$ 5,000 |
| Overtime | - |
| Travel | - |
| Training | - |
| Expendable Procurement | - |
| Non Expendable Procurement a small boat for transportation | \$ 20,000 |
| General Operating Expenses fuel of a boat and captain/crew for one month period | \$ 1,000 |
| Total | [\$ 26,000] |

Traditional handicraft development

Traditionally Gadhdhoo is renowned for its skilled craftsmen, especially in the production of the highly prized *thundu kunaa*, a traditional mat. The art of making these mats were passed down from generation to generation. However, lack of interest among today's generations has led to a decline in skills and knowledge in weaving these mats. Only a handful of people in Gadhdhoo, most of them, very elderly, have the knowledge of mat weaving and continue to undertake this as a livelihood activity. Other traditional crafts such as *Kasabu*, the gold and

silver lace and lacquer crafts are almost non-existent. The re-introduction of these handicrafts is a possible source of revenue since there are a number of tourist resorts that are upcoming in the atoll. Such activities, if developed to provide quality products and quality service, may prove lucrative for the locals as there is the potential that the tourist industry may seek these services.

Assessment and planning such activities including preparation of a practical training plan will be conducted in 2008.

| Activities | Action |
|--|--------------------------------------|
| <ul style="list-style-type: none"> ✓ Strategy development and preparation of a training plan <ul style="list-style-type: none"> ○ assess feasibilities of revitalizing the traditional handicraft industries, prepare a suitable recommendations, and prepare a practical training plan | FAO/NPC/MTCA/Island office, Gadhdhoo |

| Input (January-December 2008) | Estimated cost |
|---|-------------------|
| Consultant honorarium for 10 working days (@ \$ 150/day) (planning 10 days) | \$ 1,500 |
| Contracts | - |
| Overtime | |
| Travel | \$ 1,000 |
| Training | - |
| Expendable Procurement | |
| Non Expendable Procurement | |
| General Operating Expenses | |
| Total | [\$ 2,500] |

Information dissemination/exchanges and education through “Information Centre”/“Turtle Conservation Centre”*

“Gadhdhoo Information Centre” will be established and maintained at the project office at the target island Gadhdhoo, which will be linked to a Regional Information Centre in FAO/RAP, Bangkok to be established in 2008. The centre will play an important role for islanders, especially farmers and fishermen, to obtain useful information on sustainable livelihood development including “Resource Watch” programme to be considered for fishery sector. Contacts with related programmes or networks will also be facilitated via newsletters, website, etc.

* Budget for this activity is included in “project coordination and management” activity.

| Activities | Action |
|---|--------------------------------------|
| <ul style="list-style-type: none"> ✓ Establish Gadhdhoo Information Centre and maintain it at the project office at the target island Gadhdhoo | FAO/NPC/MTCA/Island office, Gadhdhoo |

Agriculture

Improvement of taro cultivation and processing

Although taro cultivation is the most important agricultural activity in Gadhdhoo, there is much room for improvement in the current situation. Strategy for high value adding should be promoted for taro with the objective of developing a cottage industry for taro chips to be sold to resorts/Male. The most serious problems that face the farmers include flooding during rainy seasons due to a lack of proper drainage system.

In 2008, current status of taro production will be assessed, drainage system of taro fields will be rehabilitated, and demonstration sites of taro cultivation will be established.

| Activities | Action |
|---|--|
| ✓ Assessment of the current status of taro production <ul style="list-style-type: none">○ assess the current status of taro production and plan improvement methods and strategies | FAO/MFAMR/Island Office, Gadhdhoo |
| ✓ Improvement of drainage system <ul style="list-style-type: none">○ prepare drainage improvement plan○ rehabilitate/improve drainage system | FAO/MFAMR/Island Office, Gadhdhoo FAO/MFAMR/Island Office, Gadhdhoo |
| ✓ Agronomic improvement of taro cultivation <ul style="list-style-type: none">○ conduct selection of new varieties of taro○ establish improved taro cultivation demonstration site with provisions of necessary equipments○ apply integrated pest management approaches for taro production○ introduce and provide training on the improved plant nutrient management systems for taro cultivation | FAO/MFAMR/Island Office, Gadhdhoo FAO/MFAMR/Island Office, Gadhdhoo FAO/MFAMR/Island Office, Gadhdhoo FAO/MFAMR/Island Office, Gadhdhoo |

| | |
|--------------------------------|----------------|
| Input (January-December 2008) | Estimated cost |
|--------------------------------|----------------|

| | |
|---|--------------------|
| Consultant honorarium for 20 days - planning of drainage system (10 days) - assessment and planning of improved cultivation methods (10 days) | \$ 3,000 |
| Contracts - installation of drainage systems (Drainage gates \$ 3,000 x 3, Canal \$ 100 x 120m2) | \$ 21,000 |
| Overtime casual labor | \$ 2,000 |
| Travel consultant, government counterpart | \$ 2,000 |
| Training taro cultivation management | \$ 3,000 |
| Expendable Procurement tool and equipment for demonstration | \$ 5,000 |
| Non Expendable Procurement | |
| General Operating Expenses | \$ 500 |
| Total | [\$ 36,500] |

Improved production and utilization of coconut

A pilot coconut cultivation and management demonstration site will be established and Virgin Coconut Oil (VCO) production will be introduced.

In 2008, activities of assessment of coconut production and utilization, introduction of VCO production and development of new coconut plantation will be conducted.

| Activities | Action |
|---|---|
| <ul style="list-style-type: none"> ✓ Assessment <ul style="list-style-type: none"> ○ assess current status of coconut production and utilization and identify most suitable production and utilization plan | FAO/MFAMR/Island office, Gadhdhoo |
| <ul style="list-style-type: none"> ✓ Establishment of a demonstration site <ul style="list-style-type: none"> ○ establish a model demonstration site for coconut plantation | FAO/MFAMR/Island office, Gadhdhoo |
| <ul style="list-style-type: none"> ✓ Introduction of VCO production <ul style="list-style-type: none"> ○ construct VCO factory in Gan/Gadhdhoo ○ bring machines for VCO to Gan/Gadhdhoo ○ conduct training on VCO production | FAO/MFAMR/Island office, Gadhdhoo FAO/MFAMR/Island office, Gadhdhoo FAO/MFAMR/Island office, Gadhdhoo |

| | |
|--------------------------------|----------------|
| Input (January-December 2008) | Estimated cost |
| Consultant | |

| | |
|---|---------------------|
| honorarium for 15 days (TCDC @ \$ 130/day) - planning of new coconut plantation (5 days) - assessment and planning of improved coconut production (5 days) - assessment of coconut processing and planning of VCO factory (5 days) | \$ 1,950 |
| Contracts planting (coconut) @ 0.5 x 1,500 seedling/ha construction of VCO factory (100m2) = \$ 16,000 | \$ 750 \$ 16,000 |
| Overtime casual labor | \$ 500 |
| Travel consultant and government counterpart | \$ 2,000 |
| Training training for VCO | \$ 3,000 |
| Expendable Procurement coconut seed (@ 1.0 x 1,500) | \$ 1,500 |
| Non Expendable Procurement | |
| General Operating Expenses transportation of machines | \$ 750 |
| Total | [\$ 26,450] |

Improvement of home gardens and horticultural crop production

These activities are important in that they can provide short-term cash incomes and economic diversification. There are available lands for horticultural crops production, but have not been well utilized. Not only high quality horticultural crops are marketable to the existing markets of resorts, but production can supplement for purchasing expensive imported fruits and vegetables. For this purpose, demonstration sites will be established with necessary inputs and extensive trainings will be provided. Because ground water for horticulture in Gan is limited, drip irrigation system is to be introduced to horticulture farms.

In 2008, assessment, pilot implementation and training activity will be initiated.

| Activities | Action |
|--|---------------------------------|
| <ul style="list-style-type: none"> ✓ Assessment <ul style="list-style-type: none"> ○ assist the status of home gardens and horticulture crop production and suggest possible improvements | FAO/MFAMR/Island office, Gadhoo |
| <ul style="list-style-type: none"> ✓ Pilot implementation <ul style="list-style-type: none"> ○ assist selected farmer groups to establish demonstration sites for improved home gardens and horticulture crop production with drip irrigation systems | FAO/MFAMR/Island office, Gadhoo |
| <ul style="list-style-type: none"> ✓ Trainings <ul style="list-style-type: none"> ○ provide trainings for improved home gardens and horticultural crop production | FAO/MFAMR/Island office, Gadhoo |

| | |
|--------------------------------|----------------|
| Input (January-December 2008) | Estimated cost |
| Consultant | |

| | |
|--|--------------------|
| honorarium for 20 days - assessment and planning for improved home garden system (10 days) - assessment and planning of improved horticulture farming including drip irrigation system (10 days) | \$ 3,000 |
| Contracts | - |
| Overtime | - |
| Travel consultant and government counterpart | \$ 2,000 |
| Training trainings for improved management home gardens and production of horticultural crops | \$ 3,000 |
| Expendable Procurement including tool, equipment for demonstration, agro input, seedling | \$ 3,000 |
| Non Expendable Procurement drip irrigation system (\$3,000 x 5) | \$ 15,000 |
| General Operating Expenses | \$ 500 |
| Total | [\$ 26,500] |

Introduction of hydroponics cultivation in Gadhdhoo and poultry keeping in Gan on a semi-subsistence scale

Hydroponics cultivation and poultry keeping can provide short-term cash incomes and economic diversification. Also, lands are available for housing poultry and hydroponics in the islands. They will also introduce alternate vegetables and protein sources for the island community who are dependent solely on imported vegetables for the vitamins and mineral nutrients and fish for their protein source, and improve their nutrition level.

In 2008, introduction of hydroponics cultivation will be initiated.

| Activities | Action |
|--|--|
| <ul style="list-style-type: none"> ✓ Pilot implementation of hydroponics cultivation <ul style="list-style-type: none"> ○ set up a demonstration facility ○ conduct demonstration with the introduced facility | FAO/MFAMR/ Island office, Gadhdhoo FAO/MFAMR/ Island office, Gadhdhoo |
| <ul style="list-style-type: none"> ✓ Trainings on hydroponics production <ul style="list-style-type: none"> ○ conduct trainings on hydroponics production | FAO/MFAMR/ Island office, Gadhdhoo |

| Input (January-December 2008) | Estimated cost |
|---|----------------|
| Consultant (Hydroponics consultation is to be conducted by the NPM) | - |

| | |
|---|-------------------|
| Contracts | - |
| Overtime casual labor | \$ 200 |
| Travel | - |
| Training trainings to introduce hydroponics at a semi-subsistence level | \$ 1,800 |
| Expendable Procurement tool, equipments | - |
| Non Expendable Procurement hydroponics units | \$ 2,000 |
| General Operating Expenses | - |
| Total | [\$ 4,000] |

Forestry and environment management/conservation

Disaster mitigation by soft engineering for Gadhdhoo

Trees are considered important for the conservation of inhabited Gadhdhoo island. Integrated natural disaster mitigation strategy through planting trees was identified as a possible solution. Greening areas are included in the land use plan which is under finalization by the island office, and tree planting activity of Gadhdhoo will be conducted based on the plan. For this purpose, in 2008, small-scale community nursery will be established in Gan, and tree planting activities will be initiated.

| Activities | Action |
|---|--|
| <ul style="list-style-type: none"> ✓ Plantings and maintenance activities <ul style="list-style-type: none"> ○ prepare a detailed tree planting plan (including species, areas, methods: cuttings considered for some species) ○ establish a nursery in Gan and propagate seedlings ○ conduct tree planting according to the plan ○ provide necessary equipment and other technical support for plantings and maintenances of trees | <ul style="list-style-type: none"> FAO/MFAMR/MEEW/ Island office, Gadhdhoo FAO/MFAMR/MEEW/ Island office, Gadhdhoo FAO/MFAMR/MEEW/ Island office, Gadhdhoo FAO/MFAMR/MEEW/ Island office, Gadhdhoo |

| | |
|--|----------------|
| Input (January-December 2008) | Estimated cost |
| Consultant honorarium for 10 days (nursery/tree planting planning 10 days) | \$ 1,500 |

| | |
|--|------------------|
| Contracts* | |
| - planting (candidate species: Magoo, Boshi, Hirundhu, Kinbi, Halaveli, Kuredhi) @ \$ 0.5 x 3,000 x 5 ha seedlings | \$ 7,500 |
| - nursery establishment | \$ 3,000 |
| Overtime | |
| casual labor | \$ 500 |
| Travel | |
| consultant and government counterpart | \$ 1,000 |
| Training | - |
| Expendable Procurement | |
| including Seedling (@ 0.5 x 3,000 x 5 ha = 7,500), stem-cut trees, materials for nursery | \$ 9,000 |
| Non Expendable Procurement | - |
| General Operating Expenses | |
| | \$ 500 |
| Total | \$ 23,000 |

Holistic resource management and conservation planning of Gan, including a pilot initiative to promote community-based eco-tourism activity by focusing on turtles

Uninhabited Gan is inherited with rich natural resources. Amongst them, the turtle nestling grounds of the island is recognized as the largest and most significant one in Maldives. Consequently, it may be one of the most attractive assets for tourists besides undisturbed beautiful beaches, rich ground water, natural landscape, and species-rich tropical forests. As the forests will offer a high development potential for supplying timber and various non-wood forest products (NWFP), such as fruits, medicinal plants and other useful wild herbs, they should be properly conserved and managed.

First of all, these natural resources should be inventoried by an expert group. Then, holistic resource management and conservation plans for wise and sustainable utilization will be prepared, including a strategic conservation plan for the turtles. Based on these plans, management systems will be introduced through establishing model sites. Also, the project will provide the local people with basic trainings on how to conserve and utilize the turtles and other natural resources to generate new income sources. A pilot community-based turtle watch tour will be conducted in a very cautious manner after 2009.

In 2008, the programme will carry out assessment/planning of natural resources and turtles, and training activity for turtle conservation.

| Activities | Action |
|---|---|
| ✓ Assessment of natural resources and preparation of management plans | FAO/MFAMR/MEEW/MT CA/Island office, Gadhdhoo |
| ✓ Establishment of demonstration sites and trainings <ul style="list-style-type: none"> ○ select and functionalize model demonstration sites for trees and plants management | FAO/MFAMR/MEEW/MT CA/Island office, Gadhdhoo |
| ✓ Assessment of the ecological, social and cultural conditions about the turtles, and preparation of turtle conservation strategy including eco-tourism development | |

- assess the situations of turtles in Gan and prepare a conservation strategy FAO/MFAMR/MEEW/MT
CA/Island office, Gadhdhoo
- assess tourists' demands and collect other information necessary to start pilot eco-tourism activities FAO/MFAMR/MEEW/MT
CA/Island office, Gadhdhoo
- prepare leaflets, etc. for educational purpose FAO/MFAMR/MEEW/MT
CA/Island office, Gadhdhoo
- ✓ Training for turtle conservation/community-based tourism
 - provide a training for turtle conservation and community-based tourism FAO/MFAMR/MEEW/MT
CA/Island office, Gadhdhoo

| Input (January-December 2008) | Estimated cost |
|---|------------------|
| Consultant honorarium for 20 days - planning (trees/plants management) 10 days - planning (turtle conservation) 10 days) | \$ 3,000 |
| Contracts establishment of demonstration sites (@ \$ 0.3 x 3,333/ha x 5 candidate species:Funa, Midhili, Kinbi, Hirundhu, Kuredhi to be cultivated at nursery | \$ 5,000 |
| Overtime casual labor | \$ 1,000 |
| Travel consultant and government counterpart | \$ 2,000 |
| Training training on turtle conservation/community-based tourism | \$ 3,000 |
| Expendable Procurement including seedlings (@ 0.5 x 5,000 x 1 = 2,500) | \$ 2,500 |
| Non Expendable Procurement materials for demonstration purpose | \$ 1,500 |
| General Operating Expenses printing costs of maps, leaflets | \$ 900 |
| Total | \$ 18,900 |

Fisheries

Fish processing and responsible fishery management

Fish processing activities depend much on the availability of fish since fishermen often do not bring back the fish to the island but instead opt to sell it directly to the collector vessels. Since fishermen return home towards late afternoon or dusk, this is the time when the fish processor starts the rather cumbersome task of gutting and cleaning the fish. When fish could not be sold to collection vessels, etc and brought back to Gadhdhoo, most of them are often wasted due to lack of processing facilities after the tsunami damage. Accordingly, small holder fish processing facilities will need to be developed to be sold possibly to resorts/Male, and necessary trainings should be provided in this aspect. Fish wastes also need to be utilized and processed to produce fertilizers and compost required for agriculture activities.

In addition, trainings will be provided on marine resources management emphasizing on increasing understanding and awareness on legal and regulatory framework for resource management including community-based sustainable harvesting of sea-cucumbers/lobsters. “Resource Watch” programme to be introduced for the responsible marine resource management.

In 2008, assessment and training for responsible fishery and introduction of “Resource Watch programme” will be conducted.

| Activities | Action |
|---|-----------------------------------|
| ✓ Review/development of responsible fishery activities | |
| ○ assess current status of fishing activities and provide recommendations for sustainable marine resources management and conservation including an introduction of “Resource Watch” programme through the Information Center | FAO/MFAMR/Island Office, Gadhdhoo |
| ○ start implementing community-based “Resource Watch” programme | FAO/MFAMR/Island Office, Gadhdhoo |
| ✓ Training | |
| ○ provide a training for sustainable fisheries management | FAO/MFAMR/Island Office, Gadhdhoo |

| Input (January-December 2008) | Estimated cost |
|---|--------------------|
| Consultant honorarium for 10 days - assessment/planning (responsible fishery) 10 days | \$ 1,500 |
| Contracts | - |
| Overtime honorarium for trainers/trainees | \$ 2,000 |
| Travel consultant and government counterpart | \$ 1,000 |
| Training training on sustainable fishery targeting master fishermen (dhony captains) and other fishermen | \$ 4,000 |
| Expendable Procurement fishing material | \$ 2,000 |
| Non Expendable Procurement fishing equipment | \$ 2,000 |
| General Operating Expenses | \$ 500 |
| Total | [\$ 13,000] |

3. Project Budget for Year 2008

Planned budget for each budget component is as below.

| Account | Budget description | Total Budget for 5 years | Year 2008 |
|--------------------|-----------------------------------|---------------------------------|------------------|
| 5570 | Consultant | 92,959 | 27,450 |
| 5650 | Contracts | 95,300 | 58,250 |
| 5660 | Overtime | 20,000 | 6,200 |
| 5900 | Travel | 53,000 | 14,500 |
| 5920 | Training | 94,800 | 26,300 |
| 6000 | Expendable Procurement | 64,000 | 25,500 |
| 6100 | Non Expendable Procurement | 117,900 | 44,000 |
| 6300 | General Operating Expenses | 36,827 | 9,010 |
| TOTAL | | 574,786 | 211,210 |
| 6130 | Support Cost (13%) | 74,722 | 27,457 |
| GRAND TOTAL | | 649,508 | 238,667 |

In addition to the above FAO contribution, the government of Maldives will provide necessary support as below:

- 1) Central government (relevant line ministries: Ministry of Fisheries, Agriculture and Marine Resources (MFAMR), Ministry of Environment, Energy and Water (MEEW), Ministry of Atolls Development (MAD), Ministry of Tourism and Civil Aviation (MTCA), Ministry of Housing and Urban Development (MHUD))

In addition to providing necessary technical and operational inputs through the participation of National Steering Committee (NSC) and other relevant meetings/workshops, government will pay participation costs of relevant officials for attending project activities if deemed feasible.

- 2) Atoll/island government

In addition to providing necessary technical and operational inputs through participating National Steering Committee (NSC)/GP and other meetings/workshops, government will provide appropriate supplementary inputs for project activities if deemed feasible in addition to the necessary office space and/or participation costs of relevant officials for attending project activities.

Work plan (GCP/RAS/218/JPN)

| Activities | 2008 | | | | | | | | | | | |
|--|------|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1. Cross sector | | | | | | | | | | | | |
| <u>Project coordination and management</u> | | | | | | | | | | | | |
| • Organize national coordination workshops and meetings | | | | | | | | | | | | |
| - organize a national project inception workshop [done] | | | | | | | | | | | | |
| • Facilitation and support for field based activities | | | | | | | | | | | | |
| - facilitate and support all field-based activities and their preparation and implementation | | | | | | | | | | | | |
| <u>Local Partnership Group (LPG, Gadhoo Partnership (GP))</u> | | | | | | | | | | | | |
| • Formulation of GP | | | | | | | | | | | | |
| - determine and agree a basic strategy of GP including tentative operating rules/procedures of GP [done] | | | | | | | | | | | | |
| - provide feedbacks to effective GP strategy from the community and membership organizations review | | | | | | | | | | | | |
| • Implementation of GP | | | | | | | | | | | | |
| - conduct GP meetings | | | | | | | | | | | | |
| <u>Transportation and infrastructure development</u> | | | | | | | | | | | | |
| • Establishment of ferry service | | | | | | | | | | | | |
| - select and provide a suitable small boat (reliable and economical) | | | | | | | | | | | | |
| - design a suitable ferry service between the two islands and its | | | | | | | | | | | | |

| Activities | 2008 | | | | | | | | | | | |
|---|------|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| management system by IDC, including a revolving fund system with fee collection | | | | | | | | | | | | |
| - provide fuel and captain/clue costs for initial one month period | | | | | | | | | | | | |
| • Provision of toilet | | | | | | | | | | | | |
| - install a small toilet facility; consider options to introduce an environmentally friendly model in liaison with other UN agencies | | | | | | | | | | | | |
| <u>Traditional handicraft development</u> | | | | | | | | | | | | |
| • Strategy development and preparation of a training plan | | | | | | | | | | | | |
| - assess feasibilities of revitalizing the traditional handicraft industries, prepare a suitable recommendations, and prepare a practical training plan | | | | | | | | | | | | |
| <u>Information dissemination/exchange and education through “Information Center”/“Turtle Conservation Center”</u> | | | | | | | | | | | | |
| • Establish Gadhdhoo Information Centre and maintain it at the project office at the target island Gadhdhoo | | | | | | | | | | | | |
| 2. Agriculture | | | | | | | | | | | | |
| <u>Improvement of taro cultivation and processing</u> | | | | | | | | | | | | |
| • Assessment of the current status of taro production | | | | | | | | | | | | |
| - assess the current status of | | | | | | | | | | | | |

| Activities | 2008 | | | | | | | | | | | |
|--|------|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| taro production and plan improvement methods and strategies | | | | | | | | | | | | |
| • Improvement of drainage system | | | | | | | | | | | | |
| - prepare drainage improvement plan | | | | | | | | | | | | |
| -rehabilitate/improve drainage system | | | | | | | | | | | | |
| • Agronomic improvement of taro cultivation | | | | | | | | | | | | |
| - conduct selection of new varieties of taro | | | | | | | | | | | | |
| - establish improved taro cultivation demonstration site with provisions of necessary equipments | | | | | | | | | | | | |
| - apply integrated pest management approaches for taro production | | | | | | | | | | | | |
| - introduce and provide training on the improved plant nutrient management systems for taro cultivation | | | | | | | | | | | | |
| <u>Improved production and utilization of coconut</u> | | | | | | | | | | | | |
| • Assessment | | | | | | | | | | | | |
| - assess current status of coconut production and utilization and identify most suitable production and utilization plan | | | | | | | | | | | | |
| • Establishment of a demonstration site | | | | | | | | | | | | |
| - establish a model demonstration site for coconut | | | | | | | | | | | | |

| Activities | 2008 | | | | | | | | | | | |
|--|------|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| plantation | | | | | | | | | | | | |
| - seeding | | | | | | | | | | | | |
| - planting | | | | | | | | | | | | |
| • Introduction of VCO production | | | | | | | | | | | | |
| - construct VCO factory in Gan/Gadhdhoo | | | | | | | | | | | | |
| - bring machines for VCO to Gan/Gadhdhoo | | | | | | | | | | | | |
| - conduct training on VCO production | | | | | | | | | | | | |
| <u>Improvement of home gardens and horticultural crop production</u> | | | | | | | | | | | | |
| • Assessment | | | | | | | | | | | | |
| - assess the status of home gardens and horticulture crop production and suggest possible improvements | | | | | | | | | | | | |
| • Pilot implementation | | | | | | | | | | | | |
| - assist selected farmer groups to establish demonstration sites for improved home gardens and horticulture crop production with drip irrigation systems | | | | | | | | | | | | |
| - home gardens | | | | | | | | | | | | |
| - horticulture | | | | | | | | | | | | |
| • Trainings | | | | | | | | | | | | |
| - provide trainings for improved home gardens and horticultural crop production | | | | | | | | | | | | |
| <u>Introduction of hydroponics in Gadhdhoo and poultry keeping in Gan on a semi-subsistence scale</u> | | | | | | | | | | | | |
| • Pilot implementation of | | | | | | | | | | | | |

| Activities | 2008 | | | | | | | | | | | | |
|--|------|---|---|---|---|---|---|---|---|----|----|----|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| hydroponics cultivation | | | | | | | | | | | | | |
| - set up a demonstration facility | | | | | | | | | | | | | |
| - conduct demonstration with the introduced facility | | | | | | | | | | | | | |
| • Trainings on hydroponics production | | | | | | | | | | | | | |
| - conduct trainings on hydroponics production | | | | | | | | | | | | | |
| 3. Forestry and environmental management/conservation | | | | | | | | | | | | | |
| <u>Disaster mitigation by soft engineering for Gadhdhoo</u> | | | | | | | | | | | | | |
| • Plantings and maintenance activities | | | | | | | | | | | | | |
| - prepare a detailed tree planting plan (including species, areas, methods: stem-cutting considered for some species) | | | | | | | | | | | | | |
| - establish a nursery in Gan and propagate seedlings | | | | | | | | | | | | | |
| - conduct tree plantings according to the plan | | | | | | | | | | | | | |
| - provide necessary equipments and other technical support for plantings and maintenances of trees | | | | | | | | | | | | | |
| <u>Holistic resource management and conservation planning of Gan including a pilot initiative of promote community-based eco-tourism activity by focusing on turtles</u> | | | | | | | | | | | | | |
| • Assessment of natural resources and preparation of management plan | | | | | | | | | | | | | |
| • Establishment of | | | | | | | | | | | | | |

| Activities | 2008 | | | | | | | | | | | |
|---|------|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| demonstration sites and trainings | | | | | | | | | | | | |
| - select and functionalize model demonstration sites for trees and plants management | | | | | | | | | | | | |
| • Assessment of the ecological, social and cultural conditions about the turtles, and preparation of turtle conservation strategy including eco-tourism development | | | | | | | | | | | | |
| - assess the situations of turtles in Gan and prepare a conservation strategy | | | | | | | | | | | | |
| - assess tourist's demands and collect other information necessary to start pilot eco-tourism activities | | | | | | | | | | | | |
| - prepare leaflets, etc. for educational purpose | | | | | | | | | | | | |
| • Training for turtle conservation/community-based tourism | | | | | | | | | | | | |
| - provide a training for turtle conservation and community-based tourism | | | | | | | | | | | | |
| 4. Fisheries | | | | | | | | | | | | |
| <u>Fishery Processing and responsible fishery management</u> | | | | | | | | | | | | |
| • Review/development of responsible fishery activities | | | | | | | | | | | | |
| - assess current status of fishing activities and provide recommendations for sustainable marine resources management and conservation including an introduction of | | | | | | | | | | | | |

| Activities | 2008 | | | | | | | | | | | |
|---|------|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| “Resource Watch” programme through the Information Center | | | | | | | | | | | | |
| - start implementing community-based “Resource Watch” programme | | | | | | | | | | | | |
| • Training | | | | | | | | | | | | |
| - provide a training for sustainable fisheries management | | | | | | | | | | | | |