

SECOND INFRASTRUCTURE ASSET MANAGEMENT PROJECT (SIAM-2)
PROJECT PROGRESS REPORT

1. Name of Project: C4.01: Environment, Risks and Resource Management (ERRM)

2. Executing Agency:

The World Bank (IDA) and the Ministry of Finance for the Government of Samoa.

3. Implementing Agency: Ministry of Natural Resources, Environment and Meteorology (MNREM)

4. Background: The Environment, Risks and Resource Management component addresses a range of issues affecting the sustainable management of infrastructure assets and natural resources, under the themes of; (i) environmental management, (ii) natural risk management, (iii) resource management and (iv) emergency management.

Consultants engaged by the ministry for this component are Beca International Consultants Ltd from New Zealand.

A Project Management Unit (PMU) was established to manage the project activities in close collaboration with a selected Project Steering Committee that is made up of representatives from the respective ministries involved in the second phase of the IAMP project

5. Funding Source:

World Bank (IDA) – responsible for 67% of payments
Government of Samoa (GoS) – responsible for 33% of payments
SOPAC Assistance for Emergency Management - ST\$97,000.00 tala

Payments for services are in New Zealand Dollars and Samoan Tala.

Total Contract Sum: NZ\$1,498,732.00 (inclusive of VAGST 12.5%)
ST\$1,317,931.00 (inclusive of VAGST 12.5%)

Total expenditure to date: NZ\$636,961.34 (constitutes 42.5% of payment)
ST\$560,120.70 (constitutes 42.5% of payment)

Contract Sum Remaining: NZ\$861,770.66 (remaining 57.5% of payment)
ST\$757,810.30 (remaining 57.5% of payment)

6. Project Duration: 2004 - 2008

7. Current Implementation Status:

C4.01 Progress since 2004

(i) Environment Management – 80% completed

The Environment Management work stream –

The review of the draft EIA Regulations 1998 has been completed. Consultations and workshops with various stakeholders were conducted to solicit any final comments from

the public. The Planning and Urban Management Act 2004 is the principal Act for the draft EIA Regulations 2006. The final draft EIA Regulation 2006 has yet to be submitted to Cabinet for endorsement.

A review of the 2001 Codes of Environment Practice (COEP) has also been completed with a finalized draft prepared. Likewise the 2006 revised COEP will need to be approved by the Planning and Urban Management Board as well as Cabinet at a later date. The 2006 revised COEP is intended to be used by contractors and implementors of various infrastructure developments. This will ensure consistent minimal disturbance to environment and society when contractors undertake work.

(ii) Natural Risk Management – 40% completed

Beca Consultants, staff of MNREM and other Ministries (MWSCD) have been conducting village level and district level consultations in both Savaii and Upolu. In total, 28 Coastal Infrastructure Management Plans are to be completed by July 2007. Draft CIM plans for certain villages and districts have been documented with some plans finalized while others still to be reviewed and drafted.

(iii) Resource Management – 90% completed

A review of MNREM capacity and efficiency in using GIS has been completed with certain activities proposed to upgrade GIS use. An 'Environment Management Tool' has been developed to aid PUMA when assessing developments. The GIS tool enables the Agency to identify locations of all developments, allowing them also to screen for sensitive areas (rivers / mangroves...) or possible problematic sites (industries / factories ...). The tool provides the Agency 'a first glimpse' at proposed development sites. It informs the Agency of the physical layout of an area, therefore allowing them to make various decisions (inspections required/EIA require/DC to be issued ...)

Ongoing support will be needed for the Resource Management workstream when the project winds up in 12 months time. This involves the need to have regular GIS training where GIS experts from outside of Samoa should be engaged to update/upgrade the personnel's skills. Support for new computers to replace current old machines is high. Related software programmes for GIS work needs to be regularly upgraded

(iv) Emergency Management – 85% completed

The Emergency Management work-stream supports the setting up of a national framework for Disaster Management function including the review of the National Disaster Management Plan, development of appropriate disaster management legislation, agency response plans and a community awareness strategy. This work-stream also supports the institutional strengthening of the Disaster Management Office including professional development of the staff, development of the DMO business plan, designing the fit out for the office and procuring office and emergency communication equipments. Furthermore, this particular work-stream supports the review of insurance schemes in Samoa to facilitate the design of viable insurance options that Samoa could adopt to ensure its self reliance after any disaster or emergency event.

To date, the Consultants (BECA International (Kestrel Co. Ltd.)) together with the Disaster Management Office and in collaboration with the Disaster Advisory Committee have been working together to implement the following:

- Completed the proposed final draft of the Disaster and Emergency Management Bill;
- Completed the review of the National Disaster Management Plan. The proposed final draft is awaiting the completion of all agency response plans and hazard plans so that these documents could be consolidated into one document before submitting it to the National Disaster Council for approval.
- Completed 90% of the agency response plans
- Completed the disaster insurance review
- Completed the fit out for Disaster Management Office/National Emergency Operation Centre including emergency communication equipments.
- Completed the Community Awareness and Education Strategy
- Completed the proposed final draft of the DMO business plan and professional development plan.
- Procurement of 2 vehicles for disaster related work has been completed.

8. Outstanding Activities:

(i) Environment Management

- a) Approve Revised Codes of Environment Practice
- b) Implement Industry Training on Revised COEP
- c) Updated Training Manual and materials
- d) Contractor Qualification Scheme
- e) Prepare EIA Regulation 2006 for submission to Cabinet and Parliament for approval.

(ii) Natural Risk Management

- a) Complete village level and district level consultations
- b) Draft, Review and finalise draft CIM plans.
- c) Submit CIM plans for Cabinet endorsement.

(iii) Resource Management

- a) Procurement of GIS hardware and software to upgrade MNREM GIS and Mapping services.
- b) More work in identifying of sand aggregate in and around the island coastline before the report on the Preliminary Aggregate Supply is finalised. A policy paper on aggregate supply will also be submitted.

(iv) Emergency Management

- a) Approval of Disaster and Emergency Management Bill 2006 by Parliament
- b) Finalize remaining agency response plans
- c) Finalize national hazard plans
- d) Finalize consolidation of all plans into one document (i.e. National Disaster Management Plan, National Hazard Plans and Agency Response Plans)
- e) Finalize business plan for the DMO

- f) Procurement of DMO/NEOC office equipment and emergency communication radios.
- g) Development of an Implementation Plan for the Community Awareness and Education Strategy

9. Project Implications for Samoa:

- a) The involvement of the staff from various Ministries in the whole process of planning and implementing the activities under the project strengthens the knowledge and skills learned by the staff involved through the process. This ensures that the staff can monitor, evaluate and improve any of the outputs of this project.
- b) Project will improve the overall management of natural resources in Samoa.
- c) Improvement in emergency management for Samoa with the acquired communications radios and 2 vehicles.

11. Signature of Executing Agency



Tu'u'u Dr. Ieti Taule'alo
CEO, Ministry of Natural Resources, Environment & Meteorology

12. Date: **11 August 2006**