

**Implementation Status & Results
Africa**

GEF-Western Indian Ocean Marine Highway Development and Coastal and Marine Contamination Prevention (P078643)

Operation Name: GEF-Western Indian Ocean Marine Highway Development and Coastal and Marine Contamination Prevention (P078643) Project Stage: Implementation Seq.No: 11 Status: ARCHIVED Archive Date: 17-Aug-2012

Product Line: Global Environment Project Country: Africa Approval FY: 2007
 Implementing Agency(ies): South Africa Maritime Authority, Indian Ocean Commission Region: AFRICA Lending Instrument: Specific Investment Loan

Key Dates

Board Approval Date	22-May-2007	Original Closing Date	30-Jun-2011	Planned Mid Term Review Date	Last Archived ISR Date	29-Jan-2012
Effectiveness Date	21-Sep-2007	Revised Closing Date	31-Dec-2012	Actual Mid Term Review Date	01-Nov-2010	

Global Environmental Objectives

Global Environmental Objective (from Project Appraisal Document)

The project's medium to long-term global environmental goals are to reduce the risk of ship-based environmental contamination (such as oil spills from groundings and illegal discharges of ballast and bilge waters) and to strengthen the capacity of countries to respond to oil or chemical spill emergencies in the region. The project has three specific global environmental objectives. The first is to ascertain the economic, technical, and institutional feasibility of introducing modern aids to navigation systems in the region, such as an electronically supported marine highway, to guide ships through sensitive areas and to encourage monitoring of the movements and activities of fishing and other vessels operating within countries' territorial waters. The second objective is to support widening the existing regional agreement (June 5, 1998) on port state control and implementation of its provisions. The third objective, focusing on Kenya, Mozambique, South Africa, and Tanzania, is to reduce risks of environmental damage to beaches, fishing grounds, and other domestic resources from spills of oil and chemicals. This will be achieved by supporting efforts of Kenya, Mozambique, South Africa, and Tanzania to become part of a regional oil spill response plan, by completing the identification and mapping of environmentally sensitive areas along coasts and sea lanes, and support regional collaboration with the west Indian Ocean island states.

Has the Project Development Objective been changed since Board Approval of the Project?

Yes No

Component(s)

Component Name	Component Cost
Development of a regional marine highway and institutions	6.00
Capacity building for prevention of coastal and marine contamination	1.10
Building a regional oil spill response capacity	0.70
Port state control, fisheries monitoring, and project coordination and management	3.30

Overall Ratings

	Previous Rating	Current Rating
Progress towards achievement of GEO	Satisfactory	Satisfactory

	Previous Rating	Current Rating
Overall Implementation Progress (IP)	Satisfactory	Satisfactory
Overall Risk Rating	Moderate	Moderate

Implementation Status Overview

Project implementation remains satisfactory and is now entering its last six months as the Project is expected to close on Dec. 31, 2012. Based on the latest supervision review the Development Objectives of the Grant continue to be met in accordance with the project objectives. Port state control vessel inspections has reached an all time high of 606 in 2011 well above the target set for the Project of 475. The Marine Highway along the Mozambique Channel has been developed and is now available in Electronic Nautical Charts and has the status of a surveyed corridor available to all vessels. The Regional Cooperation Agreement on Preparedness and Response to Oil, Hazardous and Noxious Substances Pollution in the Western Indian Ocean is effective since December 2011 and has been signed by 7 of the participating States. The signature by South Africa of the Host Country Agreement ("HCA") for the Regional Coordination Center for Preparedness and Response to Oil, Hazardous and Noxious Substances Pollution in the Western Indian Ocean ("the Center") to be hosted by SAMSA is pending. All other participating countries have pledged to sign the HCA after South Africa signs. Project disbursements are in accordance with projections and a balance of the Grant will probably go unutilized since greater than expected contributions in kind by participating States and global institutions have been received by the project. All contracts including the Automatic Information Stations (AIS), navigation aids, port surveys, technical assistance are either completed or under advanced implementation. The Grant received from the European Space Agency (ESA) produced breakthrough earth observation products for the Mozambique Channel in support of Project activities including: (i) oil spill detection in real time, and (ii) coral reef monitoring. The Project is evaluating the possibility of extending the earth observation activities with Project resources. The IOC has requested a small reallocation within disbursement categories.

Locations

Country	First Administrative Division	Location	Planned	Actual
Tanzania	Zanzibar Urban/West Region	Zanzibar Urban/West Region		
Tanzania	Zanzibar North Region	Zanzibar North Region		
Tanzania	Zanzibar Central/South Region	Zanzibar Central/South Region		
Tanzania	Tanga Region	Tanga Region		
Tanzania	Pwani	Pwani Region		
Tanzania	Pemba South Region	Pemba South Region		
Tanzania	Pemba North Region	Pemba North Region		
Tanzania	Lindi Region	Lindi Region		
Tanzania	Dar es Salaam Region	Dar es Salaam Region		
Africa	Not Entered	Groupe d' Aldabra		
Kenya	Coast Province	Coast Province		
Tanzania	Mtwara Region	Mtwara Region		
Africa	Not Entered	Province of KwaZulu-Natal		

Country	First Administrative Division	Location	Planned	Actual
Mozambique	Provincia de Zambezia	Provincia de Zambezia		
Mozambique	Provincia de Sofala	Provincia de Sofala		
Mozambique	Provincia de Nampula	Provincia de Nampula		
Mozambique	Provincia de Nampula	Cidade de Nacala		
Mozambique	Maputo	Provincia de Maputo		
Mozambique	Provincia de Inhambane	Inharrime		
Mozambique	Provincia de Inhambane	Provincia de Inhambane		
Mozambique	Provincia de Gaza	Provincia de Gaza		
Mozambique	Provincia de Cabo Delgado	Provincia de Cabo Delgado		
Africa	Not Entered	Province of Eastern Cape		
Africa	Not Entered	Province of Northern Cape		
Africa	Not Entered	Province of the Western Cape		
Mozambique	Cidade de Maputo	Cidade de Maputo		

Results

Global Environmental Objective Indicators

Indicator Name	Core	Unit of Measure		Baseline	Current	End Target
Number of ship inspections carried out at major ports in the region (PI)	<input type="checkbox"/>	Number	Value	223.00	606.00	475.00
			Date	03-Jan-2005	09-Jul-2012	31-Dec-2012
			Comments	Data for 2005-2005	Reported 606 inspections in 2011 Port State Control website including: South Africa 230, Tanzania 23, Kenya 258, Reunion 85. Totalsfor Madagascar & Comoros also estimated at 5 each.	Target achieved

Number of passages of vessels traveling through the region using the marine highway and its electronic charts for navigation (SRI)	<input type="checkbox"/>	Text	Value	No marine highway infrastructure in place, so no ships use it.		Target achieved
			Date	19-Jul-2007	09-Jul-2012	31-Dec-2012
			Comments		"Surveyed corridor" marine survey, data collected and incorporated in electronic nautical charts. Agreement with key intl. organizations on "Routing System" and marine highway principle. Participating States have submitted formal IMO application for approval of "Routing System".	

Intermediate Results Indicators

Indicator Name	Core	Unit of Measure		Baseline	Current	End Target
Mechanisms for coordination among related GEF-supported initiatives created and maintained	<input type="checkbox"/>	Text	Value	No mechanisms are in place yet	Staff of project mgt units of GEF projects participate in GEF-IW conferences	Staff of project mgt units of GEF projects participate in GEF-IW conferences
			Date	19-Jul-2007	09-Jul-2012	31-Dec-2012
			Comments		IOC is liaising with as well as exchanging environmental data with ASCLME, and other EU funded projects such as ReCoMap, etc.	Target achieved
Inspectors trained under the project to international standards in port state control operating	<input type="checkbox"/>	Text	Value	16 inspectors currently operating in South Africa	At least 2 per country.	At least 2 per country
			Date	19-Jul-2007	31-Dec-2011	30-Jun-2011
			Comments		20 trainees participated in the IMO approved course in Durban last Nov 2010, including Comoros (2), Madagascar (1), Mozambique (2), Tanzania (3), South Africa (9). Additional training planned for second semester 2012.	Target achieved. Indian Ocean MoU has also trained PSC officials.

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Agreement reached with Madagascar and Comoros to join the regional agreement on port state control that was signed on June 5, 1998	<input type="checkbox"/>	Text	Value	Madagascar and Comoros not currently part of the regional agreement	Comoros has signed.	Madagascar and Comoros sign the regional agreement
			Date	19-Jul-2007	09-Jul-2012	31-Dec-2012
			Comments		Comoros has signed. Madagascar still has not applied.	Partially achieved.
A regional center to coordinate national actions and to monitor regionwide environmental conditions is fully operational	<input type="checkbox"/>	Text	Value	A subregional center is currently operating in Madagascar		Center is operating
			Date	19-Jul-2007	09-Jul-2012	30-Jun-2011
			Comments		Regional agreement signed by 7 participating States making agreement effective. A regional coordination center agreement has been agreed but host country South Africa still to sign. Once South Africa signs other signatures expected during second semester of 2012.	In progress.
A regional marine pollution contingency plan that covers all participating countries is established	<input type="checkbox"/>	Text	Value	Neither Kenya, Mozambique, Tanzania, South Africa currently have in a regional plan	Regional agreement effective. NOSCP plans revised and approved in several participating States.	Regional plans completed
			Date	19-Jul-2007	09-Jul-2012	30-Jun-2011
			Comments		A regional agreement is effective since November 2011.	Target achieved.
Equipment in place and used in training	<input type="checkbox"/>	Text	Value	Some equipment in place	All equipment is acquired and in place	All equipment is acquired and in place
			Date	19-Jul-2007	09-Jul-2012	30-Jun-2011
			Comments		Sufficient equipment in place in 5 of 8 countries. Additional oil spill combat kits for Comoros, Mozambique and Tanzania delivered.	target achieved.

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Kenya, Mozambique, and Tanzania adopt national oil spill contingency plans	<input type="checkbox"/>	Text	Value	Plans in different stages have been developed		Contingency plans are completed
			Date	19-Jul-2007	09-Jul-2012	30-Jun-2011
			Comments		The NOSCPs have been prepared for Kenya, Mozambique and Tanzania. Government approvals are being sought.	NOSCP plans revised approval in progress.
Kenya, Mozambique, and Tanzania pass national laws and regulations to implement OPCR, FUND, and CLC conventions	<input type="checkbox"/>	Text	Value	Kenya, Mozambique, and Tanzania have ratified OPRC 90, CLC (Prot 92), and Fund (Prot 92), but have not passed national laws and regulations to implement them	Kenya, Mozambique and Tanzania have all signed the OPRC 90, CLC 92 and International Compensation Funds. No country in the sub-region has as yet ratified the HNS 2000 protocol. 4 Masters in Maritime Law from Kenya, Mozambique, Mauritius and Tanzania trained under the Project.	Ratified OPRC 90, CLC (Prot 92), and Fund (Prot 92) by Kenya, Mozambique and Tanzania are completed
			Date	19-Jul-2007	09-Jul-2012	30-Jun-2011
			Comments		Kenya, Mozambique and Tanzania have all signed the OPRC 90, CLC 92 and International Compensation Funds. No country in the sub-region has as yet ratified the HNS 2000 protocol. 4 Masters in Maritime Law from Kenya, Mozambique, Mauritius and Tanzania trained under the Project.	Target achieved.
Countries establish and continuously maintain databases and geographic information systems, as indicated in discussions with staff of project entities (PI)	<input type="checkbox"/>	Text	Value	None currently in place		Information system in place
			Date	19-Jul-2007	09-Jul-2012	31-Dec-2012
			Comments		Environmental data are being converted into GIS format and use in that form for the preparation of ESAs. This is ongoing in all participating States. Comoros, Madagascar, Mauritius completed. In progress in other countries.	In progress.

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Methodology to value ecosystem benefits developed and used by environmental managers (PI)	<input type="checkbox"/>	Text	Value	None currently in place		Methodology developed and disseminated
			Date	19-Jul-2007	09-Jul-2012	31-Dec-2012
			Comments		Field surveys and data collection has proceeded well in Kenya, Mauritius, and Tanzania. A regional workshop of environmental economists will be organized in August 2012 in Tanzania during which a Regional Methodology for Ecosystem Valuation will be the main output.	

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Pollution prevention and contingency management plans developed for Kenya, Mozambique, and Tanzania (PI)	<input type="checkbox"/>	Text	Value	None currently in place	Revised NOSCPs for 8 countries including 3 for Kenya, Mozambique and Tanzania (reviewed, revised and updated two times with projectinputs). Training in these 3 countries for Tier I and II response took place in November 2010. Trained staff per country to date:Comoros 40, Madagascar 40, Mauritius 50, Seychelles 70, Mozambique 40, Kenya 40, Tanzania 40.	3
			Date	19-Jul-2007	31-Dec-2011	30-Jun-2011
			Comments		Revised NOSCPs for 8 countries including 3 for Kenya, Mozambique and Tanzania (reviewed, revised and updated two times with projectinputs). Training in these 3 countries for Tier I and II response took place in November 2010. Trained staff per country to date:Comoros 40, Madagascar 40, Mauritius 50, Seychelles 70, Mozambique 40, Kenya 40, Tanzania 40.	Exceeded target.

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Search and rescue communications between two maritime rescue coordination centers (Cape Town and Reunion) and all states involved in the project fully operational (PI)	<input type="checkbox"/>	Text	Value	Communications links not yet fully established with the participating states	Communication established between 3 centers (Cape Town, Reunion and Mombasa) and sub-center in Seychelles.	Links established
			Date	19-Jul-2007	09-Jul-2012	30-Jun-2011
			Comments		Communication established between 3 centers (Cape Town, Reunion and Mombasa) and sub-center in Seychelles.	Target achieved.
Automatic information service and ship communications system established	<input type="checkbox"/>	Text	Value	0		1
			Date	19-Jul-2007	09-Jul-2012	30-Jun-2011
			Comments		AIS system contract for all South Africa has been awarded and is advanced in 21 stations. Trial AIS in Maputo operational again.	In progress.
Main aids to navigation on the route of the marine highway surveyed and rehabilitated	<input type="checkbox"/>	Text	Value	0		2
			Date	19-Jul-2007	09-Jul-2012	30-Jun-2011
			Comments		AtoN brought back into service or part of upgrading program in each country. Contracts awarded for two remaining including Aldabra and Poit Zavora lighthouses.	In progress
Charts and publications maintained and updated (cumulative)	<input type="checkbox"/>	Text	Value	0		35
			Date	19-Jul-2007	09-Jul-2012	30-Jun-2011
			Comments		Basic Port ENC data updated for ports in South Africa, Kenya, Mozambique, and Mauritius ports by South African Hydrographer in DOD, South Africa. Port surveys of Mahajunga and Tamatave in Madagascar and Anjouan in Comoros have been carried out by M/s SHOM.	Partially achieved.
Electronic nautical charts and publications produced	<input type="checkbox"/>	Text	Value	0	13	10
			Date	19-Jul-2007	09-Jul-2012	30-Jun-2011

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			Comments		Mozambique Channel route survey data prepared by M/s SHOM. Motor vessel Beautemp Beaupre completed survey. Data for 10 large scale and 3 small scale ENC's along the route now available and already included in ENC's (early 2011). 2 large scale ENC's of Mozambique, 2 of Kenya, 2 of Seychelles, 4 of Tanzania should be available by June 2011. 2 large scale ENC's of Madagascar and 1 of Comoros are complete and South Africa and Mauritius have a full catalogue of charting available already.	Target achieved.
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Data on Financial Performance (as of 09-Jul-2012)

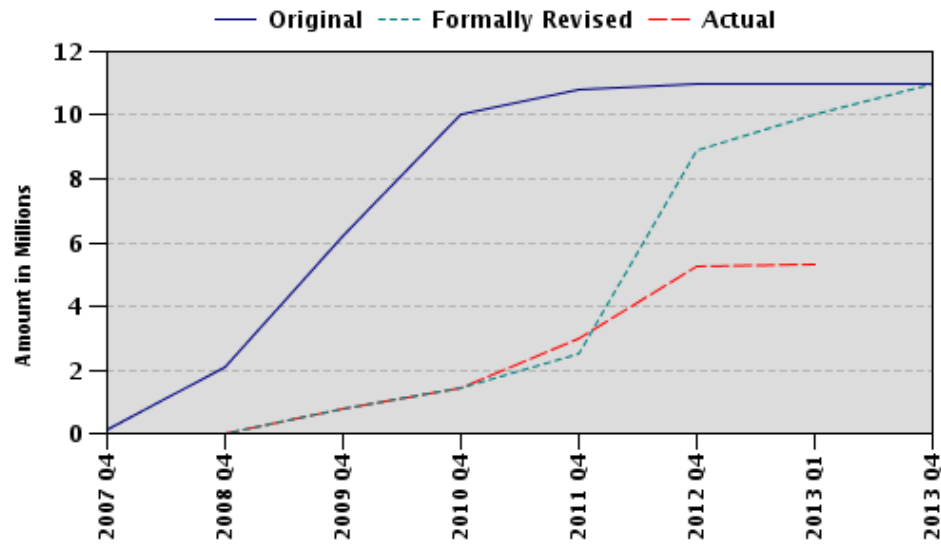
Financial Agreement(s) Key Dates

Project	Ln/Cr/Tf	Status	Approval Date	Signing Date	Effectiveness Date	Original Closing Date	Revised Closing Date
P078643	TF-90304	Effective	21-Sep-2007	21-Sep-2007	21-Sep-2007	30-Jun-2011	31-Dec-2012

Disbursements (in Millions)

Project	Ln/Cr/Tf	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P078643	TF-90304	Effective	USD	11.00	11.00	0.00	5.31	5.69	48.00

Disbursement Graph



Key Decisions Regarding Implementation

Regarding the development of the marine highway along the Mozambique Channel after the publication of the electronic nautical charts of the "surveyed corridor" the Project submitted to the International Maritime Organization (IMO) the proposal for approval of a Voluntary Marine Route. The initial review meetings were recently held in London and a final review will take place in June 2013. The application process was led by SAMSA and DOT from South Africa, alongside the Governments of the participating States.

Procurement was completed for the Aids to Navigation and Automatic Information Stations (AIS). The final training events on hydrographic and port state control training are being scheduled for the second semester of 2012.

Environmental consulting services (components B,C and D) with M/s BRLi/OTRA are being wrapped up with major events in each country including full scale exercises for oil and chemical spill controls. Working groups in all countries are concluding the work related to national level training activities for National Oil/Chemical Spill Contingency (NOSC) Plans, preparation of Environmentally Sensitive Area Maps (ESA), and policies for the use of dispersants.

Restructuring History

Level two Approved on 23-Dec-2010, Level two Approved on 08-Aug-2011

Related Projects

There are no related projects.