

## 245 Department of Environment and Conservation

(in Millions of Kina)

PIP No.	Project Title	5 Year Total	2009	2010	2011	2012	2013
1269	MINES ENV. MONIT	4.0	1.0	1.0	1.0	1.0	
1857	BIODIVERSITY DEV	1.2	.3	.3	.3	.3	
2915	ENVIRONMENTAL MANAGE	11.0	2.8	2.8	2.8	2.8	
2970	pap	.9	.3	.3	.3	.3	
TOTAL CAPACITY BUILDING PROJECTS		17.1	4.4	4.4	4.4	4.4	
TOTAL		17.1	4.4	4.4	4.4	4.4	

## 245 Department of Environment and Conservation

## AGENCY SUMMARY OF ALL PROJECTS

## EXPENDITURE PROJECTIONS AND FINANCING REQUIREMENTS (K Millions)

PROJECT COST		2007 Actual	2008	5 Year Total	2009	2010	2011	2012	2013
DIRECT PROJECT COST									
<b>Current Expenditure</b>									
Current Transfers				2.1	.5	.5	.5	.5	
Personal Emoluments									
Goods and Other Services			1.6	14.4	3.6	3.6	3.6	3.6	
Sub-Total			1.6	16.5	4.1	4.1	4.1	4.1	
<b>Capital Expenditure</b>									
Capital Transfers									
Acquisition of Existing Assets									
Capital Formation			.1	1.0	.2	.2	.2	.2	
Sub-Total			.1	1.0	.2	.2	.2	.2	
A	TOT DIRECT PROJECT COST		1.7	17.5	4.3	4.3	4.3	4.3	
<b>Technical Assistance</b>									
Project Preparation									
Equipment									
Advisory									
Training									
B	TOT TECHNICAL ASSISTANCE								
<b>TOTAL PROJECT COST (A+B)</b>			1.7	17.5	4.3	4.3	4.3	4.3	
<b>FINANCING SOURCES</b>									
IDENTIFIED FINANCING									
<b>Direct Project Financing:</b>									
<b>Government Contributions:</b>									
Loan									
Grant				11.0	2.8	2.8	2.8	2.8	
b) Self Generating Revenue									
a) Government Input			1.7	6.1	1.3	1.6	1.6	1.6	
C	TOTAL DIRECT FINANCING		1.7	17.1	4.1	4.4	4.4	4.4	
<b>Technical Assistance</b>									
D	<b>TOTAL FINANCING (C+D)</b>		1.7	17.1	4.1	4.4	4.4	4.4	
<b>FINANCING SOUGHT</b>									
Direct Project Cost (A-C)				.4	.2	-.1	-.1	-.1	
Technical Assistance (B-D)									
<b>TOTAL FINANCING SOUGHT</b>				.4	.2	-.1	-.1	-.1	

**PIP NUMBER:** 1269

**PROJECT NAME:** MINE MONITORING

**EXECUTING AGENCY:** Department of Environment and Conservation

**PROJECT OBJECTIVIES:**

To strengthen and enhance the capacity of DEC to effectively monitor the environmental and social impacts from mining and petroleum activities and to regulate these activities to ensure that these adverse effects are minimized.

**PROJECT STATUS:**

So far, since the funding for this project recommenced in the beginning of 2007, only 30 per cent of the compliance monitoring for various mining and petroleum projects have been completed.

**PROJECT COMPONENTS:**

Project components include the establishment of mine site offices and staff; the establishment of a central coordination unit and the provision of equipment and support facilities. The project provides training for staff involved in mine monitoring.

**PROJECT LOCATION:**

The project unit is in Port Moresby , National Capital - with liaison offices at Pogera, Misima, Lihir, Ok tedi, Wau/ Hidden Valley, Tolukuma, Kainantu, Simberi, Mt. Sinivit, Ramu and other new mining and petroleum project sites.

**PROJECT JUSTIFICATION:**

DEC is responsible for monitoring the environmental and social impacts of mining at all new mine sites and for administering the Water Resources Act, Environmental Planning Act and other legislation relating to environment and conservation. However, the Department is unable to carry out its responsibilities due to insufficient capacity and lack of resources. There is a need to build up the capacity of DEC and to provide sufficient resources to the Department to overcome these constraints. Adverse environmental effects could trigger social unrest in the vicinity of mines which could in turn cause mining activities to be disrupted. To ensure that the mining activities does not have negative impact on the environment and the lives of the people.

**PROJECT CAPACITY:**

The project seeks to build up the institutional capacity of DEC. A project management team provides technical backup to staff based at at the mine sites. Training is being provided as an integral component of the project. The project also provides facilities to ensure that staff are better able to perform their tasks.

**PROJECT BENEFICIARIES:**

Landowners and other people who are affected by mining and petroleum activities that has the potential for destruction to their environment and livelihood.

**PROJECT SUSTAINABILITY**

Mine monitoring is a recurrent activity hence it can be sustained over time. Development Budget funding is complementary in nature and is useful for effective support.

**1269 MINE MONITORING**

ESTIMATED TOTAL PROJECT COST 6,976.7 ESTIMATED DURATION OF THE PROJECT 6.0 Years

## EXPENDITURE PROJECTION AND FINANCING REQUIREMENTS (K'000)

PROJECT COST		2007 Actual	2008 Budget	5 Year Total	2009	2010	2011	2012	2013
<b>DIRECT PROJECT COST</b>									
<b>Current Expenditure</b>									
Personal Emoluments									
Goods and Other Services			1,300.0	1,440.0	360.0	360.0	360.0	360.0	
Current Transfers				1,600.0	400.0	400.0	400.0	400.0	
Sub-Total			1,300.0	3,040.0	760.0	760.0	760.0	760.0	
<b>Capital Expenditure</b>									
Acquisition of Existing Assets									
Capital Formation			100.0	960.0	240.0	240.0	240.0	240.0	
Capital Transfers									
Sub-Total			100.0	960.0	240.0	240.0	240.0	240.0	
<b>TOT DIRECT PROJECT COST</b>			1,400.0	4,000.0	1,000.0	1,000.0	1,000.0	1,000.0	
<b>Technical Assistance</b>									
Project Preparation									
Advisory									
Training									
Equipment									
<b>TOT TECHNICAL ASSISTANCE</b>									
<b>TOTAL PROJECT COST (A+B)</b>			1,400.0	4,000.0	1,000.0	1,000.0	1,000.0	1,000.0	
<b>FINANCING SOURCES</b>									
<b>IDENTIFIED FINANCING</b>									
<b>Direct Project Financing:</b>									
<b>Government Contributions:</b>									
a) Government Input			1,400.0	4,000.0	1,000.0	1,000.0	1,000.0	1,000.0	
b) Self Generating Revenue									
Loan									
Grant									
<b>TOTAL DIRECT FINANCING</b>			1,400.0	4,000.0	1,000.0	1,000.0	1,000.0	1,000.0	
<b>Technical Assistance</b>									
<b>TOTAL FINANCING (C+D)</b>			1,400.0	4,000.0	1,000.0	1,000.0	1,000.0	1,000.0	
<b>FINANCING SOUGHT</b>									
Direct Project Cost (A-C)									
Technical Assistance (B-D)									
<b>TOTAL FINANCING SOUGHT</b>									

**CURRENT DONOR INVOLVEMENT**

No donor involvement in this project.

**POTENTIAL DONOR INVOLVEMENT**

No potential donor has indicated it's commitment to fund the project.

**2009 Budget Votes for this PIP are :-**

24527012201 MINE MONITORING

**PIP NUMBER:** 1857

**PROJECT NAME:** BIODIVERSITY DEVELOPMENT

**EXECUTING AGENCY:** Department of Environment and Conservation

**PROJECT OBJECTIVIES:**

To develop and establish biodiversity and conservation based industries through research and development projects.

**PROJECT STATUS:**

The project has 9 components implemented through various agencies. The major highlights are: 1. agro-Biodiversity (NARI). Commenced Wild Rice Collection throughout the country and the seedlings are being kept in NARI. 2. Research through Post Graduate Studies (UPNG). Three (3) students are now engaged to commence their studies on forest tree species, biodiversity inventory, and collecting information on marine life to be used as information for elementary schools. 3. Biotechnology Program. Research into Biotechnology uses: Tomato Sauce has been developed, coconut fuel developed and tested, oil from seeds of Jatropha Plant extracted and tested for fuel.

**PROJECT COMPONENTS:**

There are 9 components (1) Biodiversity Inventory; (2) Biodiscovery; (3) Agrobiodiversity; (4) Biotechnology & Biosafety; (5) Biodiversity Conservation and Carbon Offset Sinks; (6) Biodiversity Database, Management and Information Sharing; (7) Policy, Legislation & Intellectual Property Rights; (8) Training and Infrastructure Development; and (9) Education and Awareness.

**PROJECT LOCATION:**

The project is located in the various research institutions in the country but is coordinated by the Department of Environment and Conservation.

**PROJECT CAPACITY:**

The Department of Environment and Conservation has the capacity to implement the project with assistance from other government, private sector and NGO institutions. The PNG PINBIO Secretariat located at UPNG will coordinate the implementation of the project.

**PROJECT BENEFICIARIES:**

The three main beneficiaries of the project; (a) landowners and rural populations where PINBio projects are implemented such as those in carbon trade initiatives, research and biological material extractions etc., (b) national institutions who participate in the project in terms of implementation of some of the programs, and (c) international NGOs and private sector investors who invest in biodiversity and commercial research projects which in turn puts the country on international scene in biodiversity.

**PROJECT SUSTAINABILITY**

The project components are being implemented by various institutions of Government, and can be sustained by the institutions after the project life is over.

**1857 BIODIVERSITY DEVELOPMENT**

ESTIMATED TOTAL PROJECT COST 600.0 ESTIMATED DURATION OF THE PROJECT 5.0 Years

## EXPENDITURE PROJECTION AND FINANCING REQUIREMENTS (K'000)

PROJECT COST		2007 Actual	2008 Budget	5 Year Total	2009	2010	2011	2012	2013
<b>DIRECT PROJECT COST</b>									
<b>Current Expenditure</b>									
Personal Emoluments									
Goods and Other Services				1,000.0	250.0	250.0	250.0	250.0	
Current Transfers				200.0	50.0	50.0	50.0	50.0	
Sub-Total				1,200.0	300.0	300.0	300.0	300.0	
<b>Capital Expenditure</b>									
Acquisition of Existing Assets									
Capital Formation									
Capital Transfers									
Sub-Total									
A	TOT DIRECT PROJECT COST			1,200.0	300.0	300.0	300.0	300.0	
<b>Technical Assistance</b>									
Project Preparation									
Advisory									
Training									
Equipment									
B	TOT TECHNICAL ASSISTANCE								
<b>TOTAL PROJECT COST (A+B)</b>				1,200.0	300.0	300.0	300.0	300.0	
<b>FINANCING SOURCES</b>									
<b>IDENTIFIED FINANCING</b>									
<b>Direct Project Financing:</b>									
<b>Government Contributions:</b>									
a) Government Input				1,200.0	300.0	300.0	300.0	300.0	
b) Self Generating Revenue									
Loan									
Grant									
C	TOTAL DIRECT FINANCING			1,200.0	300.0	300.0	300.0	300.0	
<b>Technical Assistance</b>									
D	<b>TOTAL FINANCING (C+D)</b>			1,200.0	300.0	300.0	300.0	300.0	
<b>FINANCING SOUGHT</b>									
Direct Project Cost (A-C)									
Technical Assistance (B-D)									
<b>TOTAL FINANCING SOUGHT</b>									

**CURRENT DONOR INVOLVEMENT**

There is currently no donor involvement but the National Government.

**POTENTIAL DONOR INVOLVEMENT**

None.

**2009 Budget Votes for this PIP are :-**

24527012206 BIODIVERSITY DEVELOPMENT

**PIP NUMBER:** 2915

**PROJECT NAME:** ENVIRONMENTAL MANAGEMENT & SUSTAINABLE LIVELIHOOD EMSL

**EXECUTING AGENCY:** Department of Environment and Conservation

**PROJECT OBJECTIVIES:**

The objective of the project is to support the Department of Environment & Conservation to strengthen its capacity to mainstream environmental sustainability into national development planning to achieve the MDG 7, Environmental Sustainability.

**PROJECT STATUS:**

The project is a new project that will be implemented in 2009.

**PROJECT COMPONENTS:**

The activities of the project are to build internal DEC capacity to assist government to formulate and implement the National Strategy Plan on MDG 7. The two main outcomes of the project are; (1) strengthening internal DEC institutional and policy making capacities to formulate the MDG 7 Strategy Plan, and (2) enhancing organisational mechanisms and building partnerships to implement the MDG 7 Strategy Plan to achieve Environmental Sustainability.

**PROJECT LOCATION:**

The project will be located in the Department of Environment & Conservation, Waigani, NCD.

**PROJECT JUSTIFICATION:**

The project is designed to address both the immediate and long term capacity needs of DEC in a holistic and integrated way in the areas of policy development, coordination and resource mobilisation to achieve the national environmental sustainable economic development priorities and the associated MDG.

**PROJECT CAPACITY:**

Through this support project, DEC's capacities will be further enhanced in formulating and coordination national GEF programmes as a funding mechanism to achieve MDG 7. In addition, the project will enhance awareness and putting environmental sustainability issues higher on the national agenda through strengthen cooperation and increased involvement with key stakeholders, private sector partners and with other donors.

**PROJECT BENEFICIARIES:**

The project will benefit the country through the officers directly involved in the capacity strengthening program whereby strategies will be formulated to achieve the goals of MDG 7.

**PROJECT SUSTAINABILITY**

The Department of Environment and Conservation with support from key project stakeholders will ensure the sustainability of the project once the project ends.

**2915 ENVIRONMENTAL MANAGEMENT & SUSTAINABLE LIVELIHOOD EMSL**

ESTIMATED TOTAL PROJECT COST 400.0 ESTIMATED DURATION OF THE PROJECT 4.0 Years

## EXPENDITURE PROJECTION AND FINANCING REQUIREMENTS (K'000)

PROJECT COST		2007 Actual	2008 Bugdet	5 Year Total	2009	2010	2011	2012	2013
<b>DIRECT PROJECT COST</b>									
<b>Current Expenditure</b>									
Personal Emoluments									
Goods and Other Services				11,034.0	2,758.5	2,758.5	2,758.5	2,758.5	
Current Transfers									
Sub-Total				11,034.0	2,758.5	2,758.5	2,758.5	2,758.5	
<b>Capital Expenditure</b>									
Acquisition of Existing Assets									
Capital Formation									
Capital Transfers									
Sub-Total									
A	TOT DIRECT PROJECT COST			11,034.0	2,758.5	2,758.5	2,758.5	2,758.5	
<b>Technical Assistance</b>									
Project Preparation									
Advisory									
Training									
Equipment									
B	TOT TECHNICAL ASSISTANCE								
<b>TOTAL PROJECT COST (A+B)</b>				11,034.0	2,758.5	2,758.5	2,758.5	2,758.5	
<b>FINANCING SOURCES</b>									
<b>IDENTIFIED FINANCING</b>									
<b>Direct Project Financing:</b>									
<b>Government Contributions:</b>									
a) Government Input									
b) Self Generating Revenue									
Loan									
Grant				11,034.0	2,758.5	2,758.5	2,758.5	2,758.5	
C	TOTAL DIRECT FINANCING			11,034.0	2,758.5	2,758.5	2,758.5	2,758.5	
<b>Technical Assistance</b>									
D	<b>TOTAL FINANCING (C+D)</b>			11,034.0	2,758.5	2,758.5	2,758.5	2,758.5	
<b>FINANCING SOUGHT</b>									
Direct Project Cost (A-C)									
Technical Assistance (B-D)									
<b>TOTAL FINANCING SOUGHT</b>									

**CURRENT DONOR INVOLVEMENT**

The project is fully funded by UNDP.

**POTENTIAL DONOR INVOLVEMENT**

There is potential involvement from other donor agencies in the future.

**2009 Budget Votes for this PIP are :-**

24527012212 ENVIRONMENTAL MANAGEMENT &amp; SUSTAINABLE L



**PIP NUMBER:** 2970

**PROJECT NAME:** PROTECTED AREAS PA

**EXECUTING AGENCY:** Department of Environment and Conservation

**PROJECT OBJECTIVIES:**

The project aims to promote the development of geographically defined areas which are designated or regulated and managed to achieve specific conservation objectives. The project also aims to establish a clean development mechanism (CDM) in country which will facilitate additional benefits from the various international environment conservation agreements that the country is a party to.

**PROJECT STATUS:**

For the Protected Areas Component, 10 environmental forest areas have been identified for protection, while the Clean Development Mechanism Component has been established and a Policy Paper being drafted and will be finalized by National Planning. A National Clean Development Mechanism Authority (NCDMA) has been established at DEC to take charge of CDM related activities.

**PROJECT COMPONENTS:**

There are two main components to the project; (i) the protection of protected areas and (ii) the establishment of clean development mechanism (CDM).

**PROJECT LOCATION:**

The project activities will be implemented at various locations around the country where there are designated environmentally protected areas as well as at the Department of Environment & Conservation in Port Moresby. DEC will be responsible for coordinating the implementation of the project and specifically the establishment of the clean development mechanism in PNG.

**PROJECT JUSTIFICATION:**

This project will allow PNG to meet some of the environmental conservation obligations in a number of international conventions such as the United Nations Conference.

**PROJECT CAPACITY:**

The lead agency, Department of Environment and Conservation is coordinating the implementation of the project through the network that has been established through the PNG Institute of Biodiversity (PINBIO). The network of institutions and organisations under the PINBIO will be able to implement and support project activities in the future.

**PROJECT BENEFICIARIES:**

The direct beneficiaries of this project will be the rural communities that own the land within the protected areas who will realise the value of conserving and using their environment in a sustainable manner. The whole country will also benefit from such projects as these will generate economic benefits for the country by conforming to the international environmental agreements.

**PROJECT SUSTAINABILITY**

The project can be sustained after completion when many of the protected areas become commercially viable for research activities that will enable it to raise its revenue to sustain its operations.

## 2970 PROTECTED AREAS PA

ESTIMATED TOTAL PROJECT COST 1,200.0 ESTIMATED DURATION OF THE PROJECT 3.0 Years

## EXPENDITURE PROJECTION AND FINANCING REQUIREMENTS (K'000)

PROJECT COST		2007 Actual	2008 Bugdet	5 Year Total	2009	2010	2011	2012	2013
DIRECT PROJECT COST									
<b>Current Expenditure</b>									
Personal Emoluments									
Goods and Other Services				920.0	230.0	230.0	230.0	230.0	
Current Transfers				280.0	70.0	70.0	70.0	70.0	
Sub-Total				1,200.0	300.0	300.0	300.0	300.0	
<b>Capital Expenditure</b>									
Acquisition of Existing Assets									
Capital Formation									
Capital Transfers									
Sub-Total									
A	TOT DIRECT PROJECT COST			1,200.0	300.0	300.0	300.0	300.0	
<b>Technical Assistance</b>									
Project Preparation									
Advisory									
Training									
Equipment									
B	TOT TECHNICAL ASSISTANCE								
	<b>TOTAL PROJECT COST (A+B)</b>			1,200.0	300.0	300.0	300.0	300.0	
<b>FINANCING SOURCES</b>									
IDENTIFIED FINANCING									
<b>Direct Project Financing:</b>									
<b>Government Contributions:</b>									
a) Government Input				900.0		300.0	300.0	300.0	
b) Self Generating Revenue									
Loan									
Grant									
C	TOTAL DIRECT FINANCING			900.0		300.0	300.0	300.0	
<b>Technical Assistance</b>									
D	<b>TOTAL FINANCING (C+D)</b>			900.0		300.0	300.0	300.0	
<b>FINANCING SOUGHT</b>									
Direct Project Cost (A-C)				300.0	300.0				
Technical Assistance (B-D)									
	<b>TOTAL FINANCING SOUGHT</b>			300.0	300.0				

## CURRENT DONOR INVOLVEMENT

Currently there is no donor support for the project. However, there will be support provide by the AusAID the admi

## POTENTIAL DONOR INVOLVEMENT

There is no potential indication of donor invlovement in the project.

## 2009 Budget Votes for this PIP are :-

24527012213 PROTECTED AREAS