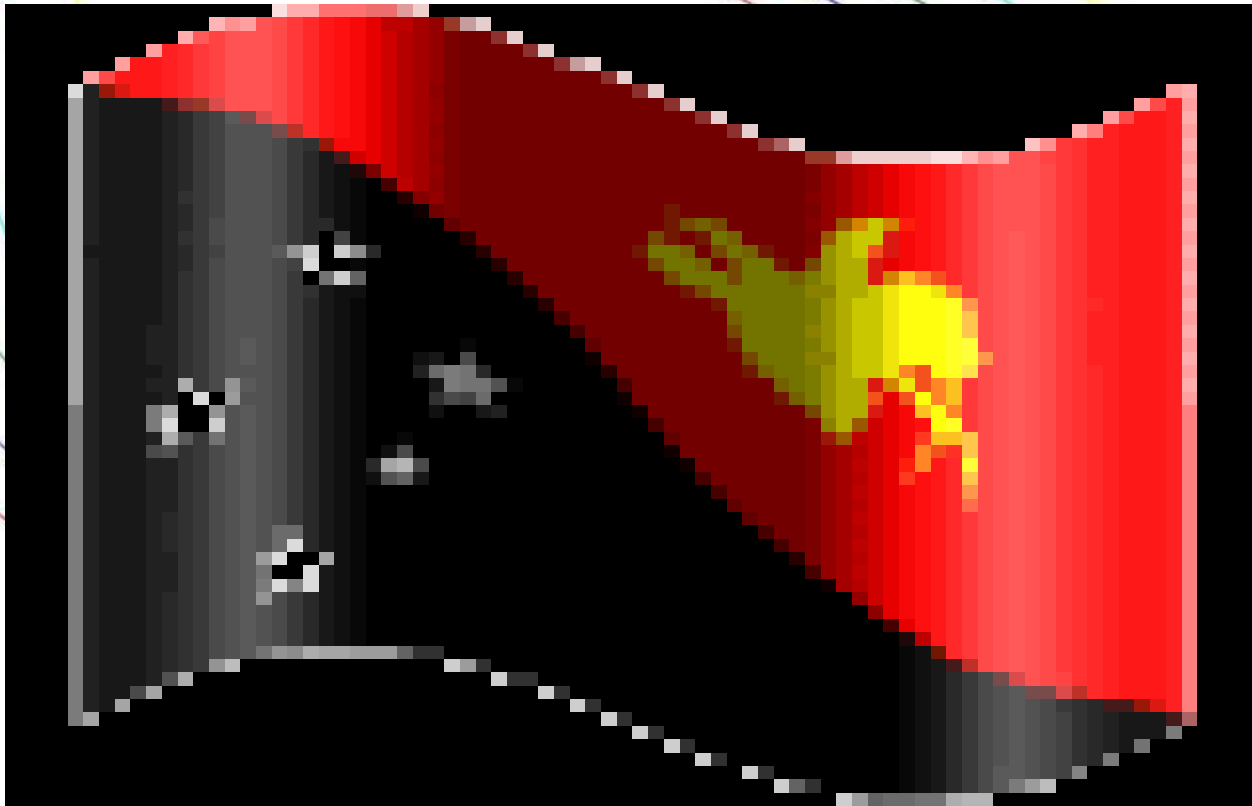


Papua New Guinea



3rd EC-ACP CDM CAPACITY BUILDING WORKSHOP

Suva, Fiji

31st October – 3rd November 2011

Country Report
Papua New Guinea

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And

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Outline

1. PNG Power Ltd – An Overview
2. The Status of CDM in Papua New Guinea – The National Perspective
3. Current CDM Projects in PNG
4. Potential CDM PoA Projects
5. Proposed CDM Projects - PNG
6. Potential PNG Power Ltd CDM Projects
7. Local Consultants

1. PNG Power Ltd – An Overview

- State owned Corporation with the Government's ownership interest held by the IPBC
- Integrated utility – generation, transmission, distribution and retail
- Major transmission and distribution networks in Port Moresby, Ramu and Gazelle Peninsula (Rabaul) that are supplied by major hydropower plants;
- Other Provincial centers predominantly by diesel powered thermal generation (over 60 generating units).

2. The Status of CDM in Papua New Guinea – The National Perspective

- Climate Change Legislation not in place
 - Hopefully by 2012
 - No DNA process & guidelines to facilitate CDM in PNG
 - OCCD as DNA has interim processes to guide CDM
- Limited knowledge & Awareness on CDM
 - Not much CDM development
 - OCCD continues discussion on potential CDM Projects – NBPOL, LNG Gas Flaring, PPL

3. Current CDM Projects - PNG

- Not many CDM Projects in PNG.
- Current Projects include:
 - (i) Lihir Geothermal Power Plant
 - Registered
 - (ii) New Britain Palm Oil Ltd Methane Avoidance Projects
 - 1 registered, 5 at validation (1 bundled CDM Project)
 - (iii) PNG Power Ltd's PoA for Sustainable Renewable Power Generation (TEIP Tranche 1)
 - At validation

4. Potential CDM PoA Projects

- Opportunities for CDM projects in PNG are abundant and include the following sectors:
 - Small scale renewable power generation projects.
 - Energy efficiency projects.
 - Waste management projects.
- Currently the leading sectors include:
 - Renewable Power Generation
 - Waste Management

5. Proposed CDM projects in PNG (Beside PPL proposed projects)

- Methane capture from POME and electricity generation projects (New Britain Palm Oil Ltd)
- East-West Sepik HPPs (OCCD)
- Sohun Hydropower project (OCCD)
- Tapioka Ethanol Biofuel Production (Changae Tapioka PNG Ltd)
- Tabare Afforestation Project

6. Potential PPL CDM Projects

- Renewable Energy Sector:
 - TEIP Tranche 2, captured under the CDM PoA.
 - Rural solar PV/ solar-wind hybrid projects
 - 80 MW Naoro Brown hydropower project
 - 90 MW Mongi/Bulum hydropower project
 - 80 MW Lалуai hydropower project
 - Capacity upgrade projects for existing HPPs

6. PPL Potential CDM Projects (Cont)

- Energy Efficiency
- Fuel Switching
 - Diesel to LNG
- Waste Heat Recovery Generation from thermal power plants

7. Local CDM Consultant(s) - PNG

- Unknown:
 - Check with PNG DNA (OCCD)
 - Those involved with current & past CDM Projects
 - Lihir, NBPOL & PPL
 - Others

Naoro River Waterfall



Ramazon River



Rouna Falls



Yonki Reservoir



Sirinumu Reservoir



Gauging The Naoro River





THANK YOU/TENKIU!

