

## Ta' Zwejra CDM Landfill Gas Recovery and Utilisation Project



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## What is CDM?

CDM allows industrialized countries with greenhouse gas reduction commitment (so-called Annex 1 countries) to invest in emission reducing projects in developing countries as an alternative to what is generally considered more costly emissions reductions in their own countries

## Benefits of CDM

- The idea of CDM is that money invested by the Annex 1 country contributes towards the *sustainable development* of the Non Annex 1 country
- So the project takes place in the Non Annex 1 country, the emissions are reduced in the host Non Annex 1 country and the equivalent of the emissions reduced is sold to the Annex 1 countries

## How is money invested in our country through CDM?

- CDM projects involve the reduction of certain emissions for which in return CERs (Certified Emissions Reduction) certificates are issued.
- Each tonne of CO<sub>2</sub> equivalent reduced (not released into the atmosphere or sequestered into the soil) is equivalent to 1 CER.

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## How is money invested in our country through CDM?

- These CERs can then be sold to Annex I countries to enable them to reach their emissions reduction targets.
- The price of CERs varies according to the market, presently the price of a CER stands at around 10 euros

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## What is the procedure of CDM?

### *PIN (Project Idea Note)*

- Is the first step in the development of a CDM project.
- It is a short 5 to 10 page document developed to give a general idea of the type of project to be undertaken to the entities concerned.

## What is the procedure of CDM?

### *PDD (Project Design Document)*

- Most important document in CDM process
- A standardized document format developed and adapted by the CDM Executive Board to be used for submitting CDM proposals
- Varies from around 30-80 pages depending on the project

## What is the procedure of CDM?

### *PDD (Project Design Document)*

#### Includes:

- Project Description
- Additionality and eligibility criteria
- Choice of methodology
- Description of baseline
- Calculation of emission reductions
- Monitoring plan
- Crediting period
- Analysis of environmental and social impacts
- Local stakeholder comments

## What is the procedure of CDM?

### *Project Validation*

- The PPD needs to be reviewed by a **DOE** (Designated Operational Entity) to make sure that the information and the calculations are correct and a validation report is issued.

### *Project Registration*

- The PPD is sent to the EB board and if it is accepted it is registered.

## What is the procedure of CDM?

### *Project Verification and CER issuance*

- The project has to be reviewed a second time by an entity which is different than that which carried out the validation, to verify that everything is as it should be and the validation was carried out fairly and correctly.
- Once this verification is complete the CERs can be issued and these can be sold.

## The First CDM Project in Malta

- Ta' Zwejra Landfill Gas Recovery and Utilization - is aimed at collecting gas from the Ta' Zwejra landfill where municipal solid waste is deposited and utilizing the gas for generation of electricity.
- It is expected that approximately 19,000 CERs/year will be generated

## The First CDM Project in Malta

- The project will run for 10 years making that a total of 190, 000 CERs
- We hope this project will open the doors to many other CDM projects, since due to this project the necessary regulating authorities for such projects have been established.

## The First CDM Project in Malta

- In November 2006 Malta's focal point for UNFCCC was appointed.
- MEPA was appointed as DNA (Designated National Authority)

## The First CDM Project in Malta

### Where does our CDM project stand?

- The PIN has been compiled by WSM, presented to the DNA and accepted by the DNA
- The PDD is being compiled

## The First CDM Project in Malta

### What is scheduled?

- The validation is due to start in two weeks and is estimated to last till the last week of May 2007
- The project will then be submitted to the CDM EB and project implementation can start
- Project registration takes around 4 weeks since this is a small scale project, if a review is not requested

## The First CDM Project in Malta

### What is scheduled?

- If a review is requested the PDD is amended and resubmitted
- If no review is required then the project is registered successfully and once implemented, the project needs to be verified