

SRI LANKA

Gatambe Small Hydro Power Project

Rank Holdings
EML Consultants

▣ 12 MW Mini Hydro
Power Project
Gatambe,
Sri Lanka

Project Details

- ❑ Generation through a run-of-river and natural elevation drop
- ❑ Installation Capacity of 12MW
- ❑ Expected annual production of Electricity – 56GWh
- ❑ Expected Emission Reduction (by offsetting energy production using thermal generation - ~34700 tonnes of CO₂e (Ref: Methodological tool, EB39 Report, Annex 7)

Project Details



Merits/Sustainable Project Benefits

- GHG emissions-free power generation
- All approvals obtained with a secure power purchase agreement
- Provides employment opportunities during the construction and maintenance phase of the project
- Provides energy security and reduces foreign exchange burden by displacing costly fuel oil/diesel imports
- Regulated flow ensures continuous operation
- No major social issues

Issues/challenges

- ▣ Uncertainty of CDM income over a longer period (Dependability ?)
- ▣ Large initial capital layout required by SL mini hydro project standard (Bank's portfolio)
- ▣ Fluctuating tariff rates (changed four times over last two years)
- ▣ Need to construct rapidly to get the best returns of higher Tariff rates

Way forward

- The constructions are expected to begin by Oct/2010
- The project is expected produce CERs by Oct/2012 reaching 35,000 CER /p.a.
- Hopeful of soliciting assistance to Register for CDM
- Hopeful of finding a CDM buyer

Other Potential CDM
projects
With EML Consultants
Colombo, Sri Lanka

Other CDM projects in the EML pipeline (early stages)

- ▣ 50mw Wind power project (approvals granted)
- ▣ Four mini hydro project with combine power of 16 mw (at EIA approval stage)
- ▣ Two Waste to Energy projects (2-5 mw each) at formulation stage (under financial negotiations)

End

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THANK YOU