Air and Noise Pollution Reduction Strategies for Tricycle Sub-Sector in Puerto Princesa City

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TRIKE
Tricycle para sa Kabuhayan at Ekolohiya
A program of Asian Development Bank and the City Government of Puerto Princesa
Background

- Assessment of tricycle sub-sector in Puerto (April – Aug 2004)
- Prioritization of strategies (Oct 2004)
- Additional assistance for pilot testing of strategies (April 2005)
- LOA signing (Sept 2005)
Project Objectives

- Reduce environmental and health hazards by reducing air and noise pollution from tricycles without impairing the drivers’ / operators’ income levels by:
  i. Promoting the use of more efficient tricycle engines and sound operation practices;
  ii. Developing livelihood & entrepreneurial skills of tricycle drivers/operators; and
  iii. Strengthening local capacities on CAA enforcement

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Project Components and Activities

A. Preventive Maintenance – About 481 tricycle drivers/operators were trained on preventive maintenance (clean-up) trainings

- Selection of participants, equally distributed among TODA population
- 3-hr lecture, demonstration and hands-on training
- Distribution of manuals on 2-stroke and 4-stroke engines
B. Engine Mechanics - 25 tricycle drivers/operators are now certified engine mechanics (Class B National Certification)

- Selection of participating tricycle drivers/operators, each signed LOA with respective TODA
- At least 400-hours vocational course program
- Evaluation and certification as engine mechanics
C. TRIKE Fund - $150,000 TRIKE Fund is established as seed money for: (i) purchase of new/more efficient engines, (ii) investment on alternative livelihood, and (iii) construction of service centres

- $120,000 from ADB and $30,000 from CGPP
- Selection of an MFI to administer and manage the Fund
- Special interest rates and repayment packages compared to typical MFI loans
D. Livelihood Development - at least 50 tricycle drivers/operators are trained on alternative livelihood

- Provision of soft loans for investments in alternative livelihood activities
- Partnership with national and local agencies on training
- Partnership with local industries’ associations for product marketing
E. Ambient Air Quality Management – establishment of effective database

- Partnership with laboratories specializing in air pollution assessment
- Training for City ENRO personnel in installation, operation and maintenance of air sampler
- Results of air sampling analysis used to establish monitoring data
F. Roadside Monitoring and Apprehension

- Selection of City ENRO officers as deputies
- Demonstration and hands-on training on the use of gas analyzer and noise meter
- Actual roadside monitoring
- Updating of fines and penalties
- Actual roadside apprehension
Lessons Learned

- A need for a comprehensive study
- Involvement of stakeholders on the identification and prioritization of policies and strategies
- Involvement of target groups in planning, implementation and monitoring
THANK YOU !!!

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