

Application technology of renewable energy

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Keywords		Small wind turbine, Micro hydraulic turbine			
Technical Support Skills		 Small wind turbine with low noise for residential regions Hydraulic power generation for low head drop Application of the photovoltaic cell 			

Research Contents

 \circ Development and application of small wind turbine with low noise for residential regions (Fig.1,2)

- Hydraulic power generation including power system interconnection using an open type micro hydraulic turbine developed for low head drop (Fig.3)
- \circ Application of the photovoltaic cell as the independent power supply with storage batteries



Fig.1 Ribbon type wind turbine



Fig.2 Small wind turbines suppressing visibility hindrance caused by drifting snow



Fig.3 Micro hydraulic turbine installed at drop & power system interconnection equipment

KOSEN SEEDS

Available Facilities and Equipment						
Wind tunnel (handmade)						
Water tank for hydraulic turbine test (handmade)						
Torque meter (Ono Sokki Co., Ltd.)						