

GIANYAR WASTE RECOVERY PROJECT PHOTOS

Compost Research Station and Laboratory (on 7 meter former landfill)



Insulated drums for comparative laminar flow compost research



4 meter high laminar flow boxes, simulating the large scale facility



Flow meters, self-made to save cost



Temperature and oxygen control



Compost and water analysis lab



Arguably the best local compost

Large Scale Waste Recovery Facility for 60 tons Waste per Day (on 7m former landfill)



Phase 1 composting building of 2400 m² (30 tons/day)



Waste separation (outsourced)



The two shredders (old type)



Forced aeration with blower



Aeration ducting. Volume control with butterfly vales at each inlet



New locally made compost sieve



The final product as bulk with old type compost sieve



The final product in bags



Phase 2 expansion to 2400 m² Sep. 2009 (for total 60 tons/day)

Educational Center (on 7 meter restored former landfill)

Before and After Photos:



Before restoring the old landfill for the environmental park



The old shack to the right became the new toilet block



The in between redundant recycling pilot plant



After restoring the old landfill for the environmental park



After transformation to the outdoor educational center.



The new use of the old pilot plant as indoor section of the center

Exhibits



A vertical windmill and solar panels also produces energy



Biogas reactor for facility toilets used for cooking



Wastewater Garden for cleaning effluent from biogas rector



Model house to show interactively energy savings at home



Laboratory model for production of biogas



Producing safe drinking water with energy free SODIS method



How to avoid diseases transmitted by mosquito



Workshop for grammar school students



Laboratory model for production of biofuel from Jatropa plants