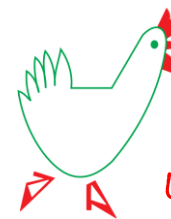




AHUJA ENGINEERING SERVICES

ISO 9001:2008 Certified



Litter to Power Your Farm



ABOUT AES

With more than 25 years background in industrial electrical contracts and consulting, AES's current focus is Organic Waste-to-Energy. We provide decentralized & sustainable bio-methanation based solutions and EPC services for waste management and renewable energy generation.

OUR R & D ASSOCIATE: **CSIR-Indian Institute of Chemical Technology (IICT)**

OUR SERVICES & PRODUCTS

AES provides advanced technologies and services that support the efficient design, supply and operation of **waste-to-energy plants and biogas processes.**

Environmentally secure, turn-key solutions are provided to poultry farms to process litter and replace their EB power, diesel power and LPG consumption.

- ✓ Waste disposal and management
- ✓ Bio-methanation based turn-key solutions
- ✓ Biogas to electricity generation projects
- ✓ Biogas to natural gas and compressed natural gas projects
- ✓ Tailor made solutions for urban waste to heat for replacing LPG

Our high rate biomethanation technology for poultry litter is superior in terms of biogas and bio-manure production. The technology incorporates novel grit removal system and ammonia inhibition mechanism.



T3 - Trash to Treasure



AHUJA ENGINEERING SERVICES PVT LTD
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Poultry Litter to Energy!

REGULAR LITTER DISPOSAL FOR

- ✓ Ammonia reduction in farms
- ✓ Odour reduction in farms
- ✓ No flies, rats and rodents
- ✓ Improvement in health of birds
- ✓ Reduction in bird mortality rate
- ✓ Saving sanitation costs

ENERGY & ORGANIC FERTILIZER

- ✓ **Heat** for brooder sheds replacing LPG
- ✓ **Power** for in-farm consumption, replacing diesel and electricity board supply
- ✓ Digested solid & liquid slurry as **organic fertilizer**
- ✓ Digested slurry for **fish ponds**

Get rid of unscheduled power interruptions and dependency on diesel for power back up.



EVERY 100 M3 BIOGAS: COMING FROM -

- ✓ 1.5 tons poultry litter
- CAN REPLACE -**

- ✓ 42 Kg of LPG
- ✓ 50 litres of diesel
- ✓ 55 Kg of furnace oil
- ✓ 130 to 150 units of electricity



No more smell and flies!

BIOGAS – WASTE TO ENERGY SERVICES

- ✓ Detailed engineering & implementation
- ✓ End to end process engineering
- ✓ Material procurement & plant construction
- ✓ O&M of plant on client need-be basis
- ✓ Preparation of DPR for bank sanctions and MNRE

- Pre-treatment of litter before anaerobic digestion
- Modern digester and process design
- Plant easy to run and maintain
- All safety measures incorporated

Zero Discharge Plant



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