

CHADURANGA THEEPEE PUNNER BALKEE (OPC) PRIVATE LIMITED

**CRAFTING AN ART IN THE TREATMENT
OF WASTE**

**A sentiment to protect the
environment on the tenets
of Environment Social
Governance (ESG)**



The Black Soldier Fly: the star of waste recycle

Company Initiative

MISSION –

AN INSIGHT TO ENHANCE THE NUMBERS OF LIVELIHOOD IN THE LINE OF WASTE MANAGEMENT . Guardianship to safeguard the environment on the rudiments of Environment Social Governance (ESG) . robotics . cater and address the health concern of waste treatment workmen

VISION –

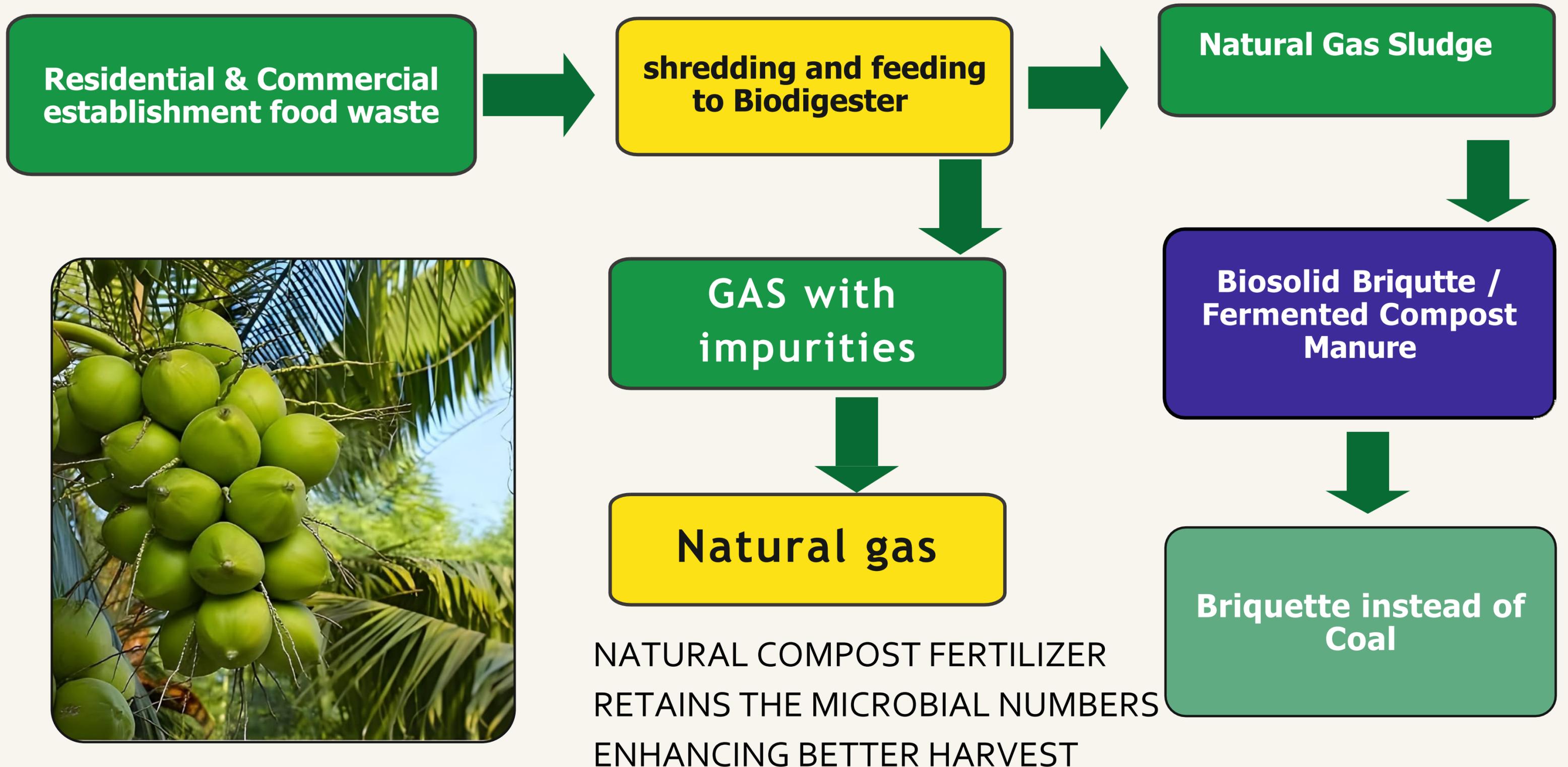
WASTE MANAGEMENT AT THE SOURCE, CULTIVATE WELL BEING ON THE SIMPLE PLATFORM OF PERMACULTUE. EXPERIMENTS, RESEARCH & DATA CAPTURE ON WASTE MANAGEMENT.

The spirit of waste management at source saves the carbon footprint, no landfills , refused textile to tiles which can be used for pavement.

THE INDIAN KITE HOVERING AND FEEDING ON THROWN MEAT LEFTOVER EXECUTES THE BEST JOB OF A SCAVENGER



WASTE 2 ENERGY ECOSYSTEM





THE DIRECTOR

Educational Background:-

- Graduation In Microbiology from Bengaluru Unversity
- CSWATT : Certificate in Solid Waste Treatment Techniques from IGNOU.

Prashant G Rao is a passionate individual keen to establish a remarkable journey for my

Start Up. For him, Start Up means:-

Start - A word which gave meaning to help the waste recycle on different level of initiation.

Up - a word which gave meaning to align my view to reality .

It all started with Zero waste at my house. Later finishing the Waste Management Course at

IGNOU gave a booster doze for starting waste recycle. I was regarded as Waste in my school days . In college, subjects could not be digested well so still was called waste by lecturers. In Bachelor degree could not finish the exams on time which made me again a waste. With the suffix and prefix of waste body it has brought me to the journey of waste management.

Problem Identification

Municipal Solid Waste Management: The Solid waste management held in State of Karnataka is inadequate with gap in generation and scientific handling of waste resulting in damage to environment as held in ruling of National Green Tribunal Principal Bench New Delhi : Case Law - Original Application No.606/2018 and Supreme Court Judgement in Writ Petition No. 888/1996 & Writ Petition No.375/2012.

Clean Alternate Energy : Research on Municipal waste to energy. Making Briquette with high calorific value causing lesser air pollution. Replace Fossil fuel .

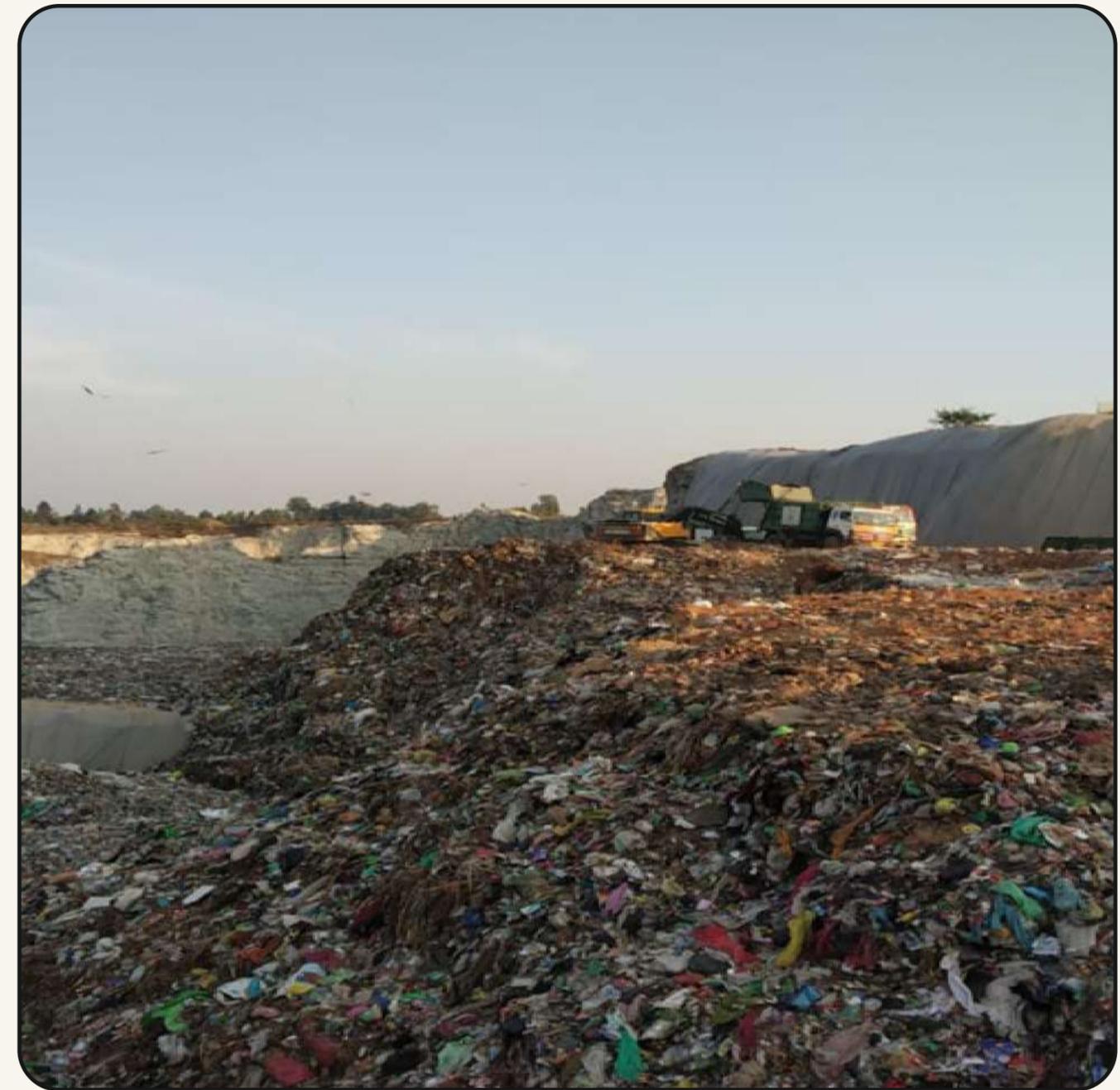
Chemical fertilizer : Replace chemical fertilizer with green biosolids sludge . Replace chemical fertilizer with green compost manure.

Chemical color : Replace chemical colors with natural organic colors from waste. Replace chemical colors in textile industry

Fish feed and poultry feed : Create fish food pellets from Residential Kitchen waste and Hotel Kitchen Waste

PROPOSED PLACE OF BUSINESS : Create waste to energy inside the Urban Space of Karnataka.

JOB CREATION : Create part time jobs to college students to subsidize their education expenses.



UNSEGREGATED MIXED WASTE WHICH CONTRIBUTES TO 500 FEET WASTE HILL AT MITTAGANAHALLI LANDFILL IN BENGALURU

Microalgae - algae, duck weed,
Rhodococcus ruber - biosurfactant,
Ideonella sakaiensis bacteria, Plastisphere
fungus, Parengyodontium album feeding on
polyethylene terephthalate (PET), Meal
worm, wax worm aiding the plastic recycle

Indian crow a member of the Permaculture is
an illustration of natural responsibility
in waste recycle

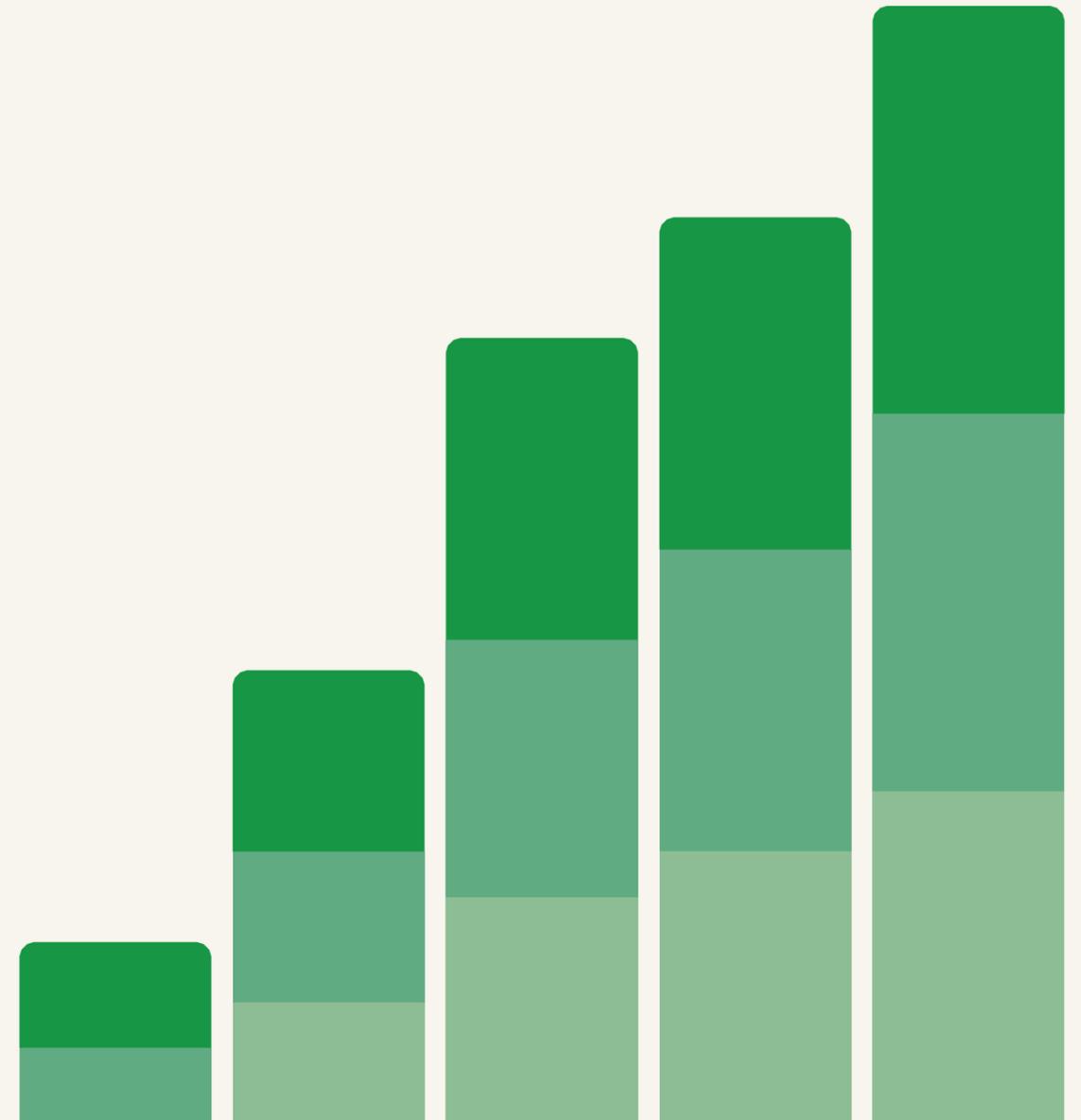


USP of our Company

Waste management and waste recycle at source cuts transportation cost saves fuel. Waste management at source will stop waste dumping on public street. Dried leaf shredding and recycle will stop leaf burning protecting environment and avoiding air pollution. The flower waste can be converted to rangoli colours. The tree waste like branches and leaves can be converted to briquette which becomes alternate energy source. briquette have better flash point and fire point which avoids use of wood. municipal solid waste can be converted to compost and given to farmers at subsidy avoiding use of pesticide. municipal waste can be fed to Pyrolysis for energy generation . briquette and Pyrolysis avoids use of coal and nuclear electricity generation. Temples can use bio briquette instead of wood. The refused municipal waste such as cow dung, coco pit, coconut tree waste can become alternate raw material in road laying. The coconut waste has been found to last long when mixed with the tar and asphalt. Waste textile bricks are found to replace ceramic bricks.

- Gas filled canister made up of methane for semiconductor wafers manufacturing companies. Tie up with local municipal engineers for dried leaves which can be mixed with slurry. Event based waste management. Leaves act as natural polymers
- Heavy demand for organic waste slurry which is made from the bio digesters . Sells at ₹ 20 per litre.
- **Compost bag as a raw material for mushroom farmers**
- Farmer's society is always deficient of organic manure. NABARD has potential information to channel sale of manure to the Farmer's society.
- **Inoculum vials for treatment of waste management**

Revenue Model



Requirement & Utilization of Funds

12,00,000

Digester Drum setup

Twenty Five Days

4,00,000

Shredder and Mixer setup

Thirty days

4,00,000

Contingency Working Capital
45 days

20,00,000

LEAP – 2
15,00,000 – BRIQUETTING /
PELLETING MACHINERY





The natural Aroma of Jasmine and Indian Champak activates the nose sensory system.

NATURAL IS BUTIFUL

