



Ankit Bio Fuels LLP

bio energy producer for future...

Manufacturers of
**Biomass Briquettes
& Pellets**





About Us

www.ankitbiofuels.com

The **Ankit Bio Fuels LLP.** is India's major biomass briquettes manufacturing private sector enterprise, with businesses in the alternative energy sector.

Ours is a company which was started during the year 2015, has engaged in manufacturing of fuel briquettes using agro products namely coffee husk, sawdust and groundnut shells. These solid fuels briquettes are substitute to fossil fuels like coal, diesel, furnace oil and other petroleum fuel products which are expensive, major contributors of Global warming, also which are in the alarming depletion level through out the world. As the solid fuel briquettes are manufactured using agro products, they are pollution free.

These briquettes are now gaining popularity on account of

- ◆ Reduced cost and economics
- ◆ Maintenance of temperature equal to that of diesel and coal.
- ◆ Disposing of residue easy and safe.
- ◆ Reduction in inventory and clean in handling.

The raw materials were either used for low economical purposes by using them for manures in the gardens or for domestic purpose. The establishing of the company has gained value and better utilization of raw materials as the bio-fuel in the form of briquettes, used in the place of expensive, depleting, pollutant fossil fuels.

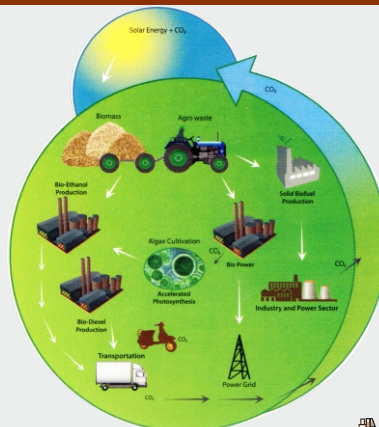


MANUFACTURING FACILITY

Our manufacturing facility is located at Siddaramanagara, on National Highway No.4, near Tumkur, 70kms away from Bangalore. We have well planned layout in 5acres of land with factory production sheds of around 1.5Lacs Sq. Ft and all modern amenities and latest methods of accounting. Manpower of our company is 100 plus with good team of technocrats and technicians along with skilled laborers. We have got fleet of 05 commercial vehicles with modern communication facility catering the needs of our clients 24x7, 365 days with

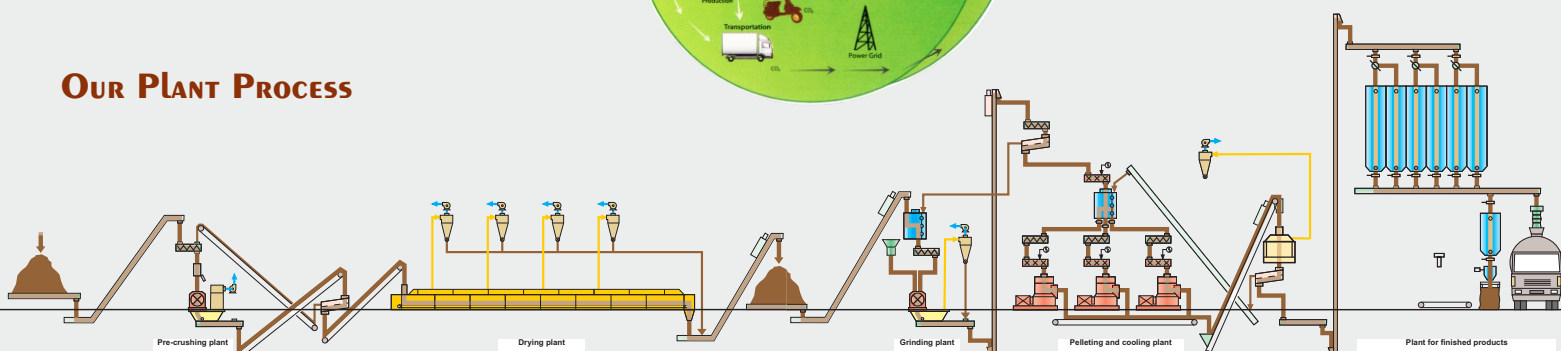
Vision

"We aim at becoming largest and best manufacturing company in the World mineral based oils as fuels, here by among industries there by reducing mother Earth."



Eco- friendly product and reduce use of fossil and promote Eco- Friendly concept carbon foot print and save the

OUR PLANT PROCESS





Biomass Pellets

Ankit's range of eco-friendly, carbon neutral solid bio-fuels/biomass pellets are made out of left over organic residues. They can effectively help meet the energy and heat generation needs in the residential, commercial and industrial segments, and replace conventional fossil fuels such as coal, without the need for significant changes in existing energy generation technology, thereby significantly reducing CO2 emissions.

FEATURES

- ◆ No crushing required
- ◆ Uniform shape and size
- ◆ No earth & metal impurities
- ◆ No modification in fuel feeding system
- ◆ Consistent product quality and reliable supply
- ◆ Low SPM
- ◆ Reduced risk of fire hazard
- ◆ Negligible SOx & NOx in flue gas

Biomass Briquettes

Biomass Briquetting is the process of converting low bulk density biomass into high density and energy concentrated fuel briquettes. Biomass Briquetting plant are of various sizes which converts biomass into solid fuels. Briquettes are ready substitute of Coal/wood in industrial boiler and brick kiln for thermal application.

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Specifications of Pellets

Parameters	Results
Physical Dimensions	8 ~ 40mm dia, 25 ~ 75mm length
Bulk Density	600 ~ 800kg /m3
Ash Content	5% Max
Fixed Carbon	19% Min
Volatile Carbon	75% Min
Moisture Content	(Loss on Drying) 8% Max
Colour	Golden Brown



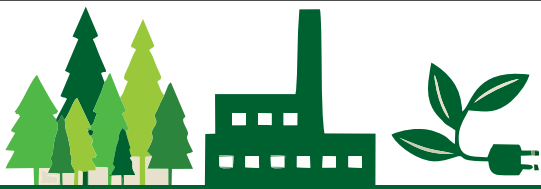
CONVENTIONAL FUEL BRIQUETTE Specifications

Parameters	Results
Size	90 mm dia, Length 4-6"
Composition	Ground nut Shell, coffee husk, saw dust.
Moisture	12-15%
Ash	8-12%

PALMYRA CANOPY BRIQUETTES Composite Specification

Parameters	Results
Physical Dimensions	Cylindrical – 50 ~ 100mm dia, 50 ~ 400mm length
	Cubical – 50 ~ 100mm width 50 ~ 400mm length
Prismatic	50 ~ 100 each side
Hexagonal	40 ~ 100mm each side 50 ~ 400mm length





BIOMASS FOR ENERGY

Domestic & Industrial Applications

Domestic Applications

Application of Pellets is extensive worldwide and the use of biomass pellets can be seen in daily life.

- ◆ Water heaters Application
- ◆ Room Heaters
- ◆ Stove for baking/Cooking



Industrial Applications

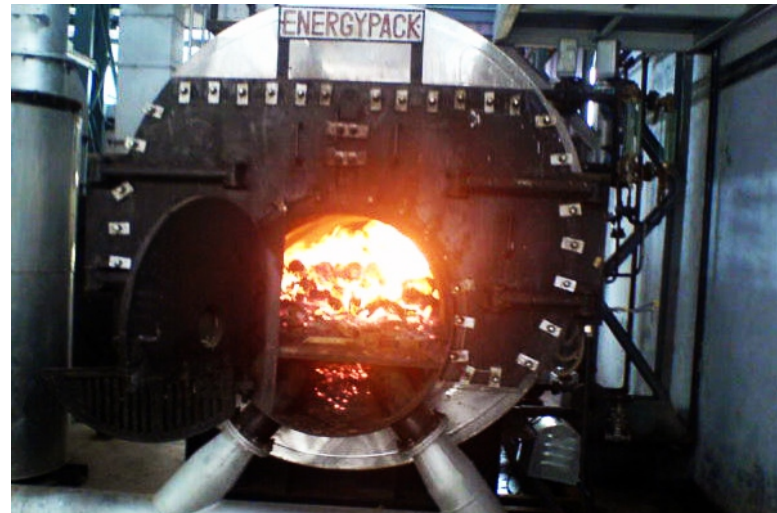
Briquettes are widely used for any Thermal application where coal can be utilize i.e. steam generation in boilers, heating purpose etc. Use of BRIQUETTES / WHITE COAL / BIO-COAL as a fuel for energy has shown some very promising results; and may eventually replace coal based gas producing systems and oil firing in furnaces permanently.

BRIQUETTES / WHITE COAL / BIO-COAL replace the following conventional fuels that are used in mass quantities.

- :: Diesel :: Kerosene :: Furnace Oil
- :: Firewood :: Coal :: Lignite

Few applicable industries are:

- :: Spinning Mill :: Ceramic and refractory Industries
- :: Solvent Extraction Plant :: Lamination Industries
- :: Chemical Units :: Leather industries
- :: Dyeing Plants :: Brick making units
- :: Milk plant :: Food processing Industries
- :: Gasifier Sys. in thermal :: Vegetable plants
- :: Textile Unit: Others Ind. having thermal application.



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