

Manufacturing of ***Biomass Briquettes*** ***from Biowaste.***

Profitable Investment
in Agro Waste
Briquette Industry.

Turning Waste into Energy



Introduction

Biomass briquettes are a biofuel substitute to coal and charcoal. Briquettes are mostly used in the developing world, where cooking fuels are not as easily available. There has been a move to the use of briquettes in the developed world, where they are used to heat industrial boilers in order to produce electricity from steam. The briquettes are cofired with coal in order to create the heat supplied to the boiler.



Biomass feed, especially agro-residues, is available in different forms, such as husks, straw, and stalks of various and numerous crops. Due to this heterogeneous nature, the utility of these materials for energy becomes limited, and energy conversion processes tend to become biomass specific. Biomass briquettes are a proven way of generating energy from bio-waste.

Type of Biomass Briquette:-

- Sawdust Briquettes
- Agro waste Briquettes
- Wood Briquettes



Different types of waste have been utilized in order to develop biomass briquettes. Biomass briquettes derived from Mustard, Cotton, Guar, Saw Dust and Peanut shell Agro waste could result in feasible on-site fuel production. Biomass briquettes can typically provide between 3-15 per cent of the input energy into the power plant. The objective behind the move, is to reduce air pollution caused due to burning of surplus biomass residue in fields by creating an alternate market for its large-scale utilization in power plants as well as reduce carbon emission from coal fired power plants.



Developing economies is the key sources for generating air pollution, as most of its population is reliant on [wood](#) and other fossil fuel such as kerosene and charcoal to meet their domestic energy needs. In addition, the growing percentage of carbon monoxide, carbon dioxide, and other harmful gases in the environment is the chief reason for global warming. Growing air pollution and environmental protection has grown concerns across the globe. Thus, growing environmental concerns have pushed the need for [biomass briquettes](#). Biomass briquette production is developed recently. It is a kind of technology to obtain clean coal, as per the use of bio waste to create usable and effective briquettes to replace traditional firewood and charcoal in various domestic activities



Uses:-

Biomass briquettes are mostly used in the developing world, where cooking fuels are not as easily available. There has been a move to the use of briquettes in the developed world, where they are used to heat industrial boilers in order to produce electricity from steam. The briquettes are cofired with coal in order to create the heat supplied to the boiler. Biomass briquettes, mostly made of green waste and other organic materials, are commonly used for electricity generation, heat, and cooking fuel. These compressed compounds contain various organic materials, including [rice husk](#), bagasse, ground nut shells, agricultural waste. The composition of the briquettes varies by area due to the availability of raw materials. The raw materials are gathered and compressed into briquette in order to burn longer and make transportation of the goods easier.

The Benefits of Biomass Briquettes:-

Nowadays, everyone is thinking about how to make their homes greener and how to save energy. Everyone is now aware of the problems presented by global warming and we are all thinking of ways to change our lifestyles in order to help stop this phenomenon and keep our world safe. This is why biomass briquettes are important. The main source of energy for most areas of the world is fossil fuel, which usually makes use of coal in order to power boilers to make steam for energy. Briquettes made from biomass are a great substitute for coal, since they are made of natural materials and do not add to the pollution in the world.



Because of the production of briquettes, many companies use biomass briquettes since they found out about its benefits and how it can lower their carbon footprint while being affordable. These briquettes are cheaper than coal in the long run, and can be used for a long time. [Coal](#) is one of the most dangerous ways to produce energy nowadays because of its pollution to our environment. This is why it is necessary for us to limit our use of charcoal and find another way to get energy. Biomass is a great way to do this since it is easy to get and use.

Usually, the briquettes are made from plants and natural waste from animals. It recycles them and turns them into an energy source, so they are an ideal material. They do not have any of the disadvantages of fossil fuel energy, and it is easily renewable. It does not emit greenhouse gases or any toxic chemicals.

The biomass materials are compressed into briquettes so that they can be used by energy producing companies to replace charcoal. These burn just like charcoal but they do not produce any harmful effects to the environment. They can be used to boil water and power turbines to generate electricity.

In the modern world, everyone needs electricity. It is a very much sought-after utility, since we rely on technology that runs on electricity to live our lives. Because of this need, people resorted to using fossil fuels to power cities.



But briquettes from biomass can change all of this.

Biomass also gets rid of the need to have fossil fuels exported and imported around the world, since it can be made domestically from plants and animal waste. This will lower the price of electricity for many countries that do not have oil or coal reserves. It will mean affordable and safe energy for everyone.

Briquettes are better than loose biomass since they are compressed. This compression allows them to burn for a lot longer than if it was loose. Also, it does not take too much money to compress these so it will be inexpensive for people to attain.

Related Projects: - [Waste Management and Recycling, Industrial Waste Management, Agro Waste](#)

Market Outlook

Biomass briquette is commonly made of green waste and other natural materials. These are generally used to create power, heat, cooking fuel, and work industrial boilers with a specific end goal to make power from steam. The most recognized usage of briquettes is in emerging economies, where energy sources are not as generally accessible. These compacted or strong compounds contain different organic materials, including rice husk, bagasse, ground nutshells, city strong waste, rural waste, or other wastes with high nitrogen content. The demand for fuel in emerging economies and improved renewable energy source appeal drive the biomass briquette market. However, low energy output when compared to others industrial fuels and limited awareness hamper the market growth.

Currently, various trends seen in the global market that has risen the demand for biomass briquettes are its advantages over other fuels, low ash content as compared to charcoal and coal, cost-effective, and is sulfur free. Moreover, low environmental effect, uniformity in combustion, higher boiler efficiency due to low moisture content and high density has increased its demand across the globe. The popularity of piston or ram press and screw extrusion machines are the most preferred technologies used for producing high-pressure biomass briquettes. Biomass briquettes have a high potential to substitute coal in most boiler and power applications and have a high combustion rate that has increased its demand on a large scale.



At present, in developed countries the Biomass Fuel industry is generally at a more advanced level. The world's large enterprises are mainly concentrated in EU. Meanwhile, foreign companies have more advanced equipment, strong R & D capability, and leading technical level. With the development of Chinese Biomass Fuel industry production technology, their share in the international market is increasing, and competitiveness in the international market gradually increases. The global Biomass Briquette market is valued at 320 million US\$ in 2017 and will reach 570 million US\$ by the end of 2025, growing at a CAGR of 7.3% during 2018-2025.



The global biomass briquettes market is segmented into North America, Latin America, Western Europe, Eastern Europe, the Middle East and Africa, and Asia Pacific. Of these regions, Europe and North America are expected to be key regions for the growth of this market. The utilization of the biomass briquettes production technologies is high to convert their biomass into useful energy sources.

Biomass molding fuel is made of [agricultural](#) and forestry residues such as rice stalk, straw, cotton stalk, [bamboo](#) sawdust, wood flour, ramie stalk, peanut husk, etc. It is produced by pellet machines or briquetting machines, after going through several processing procedures, such as crushing, drying, mixing, molding or compressing, etc. And the final products are pellets and briquettes, which are used as a replacement for coal, gasoline gas and other traditional fossil fuels.

Compared to fossil fuels, biomass molding fuel produce low net total greenhouse gas emissions because the materials used are already a part of the carbon cycle. Biomass pellet fuel are biofuels made from compressed organic matter or biomass. Wood pellets are the most common type of pellet fuel and are generally made from compacted sawdust and related industrial wastes from the milling of lumber, manufacture of wood products and furniture, and construction. Other industrial waste sources include empty fruit bunches, palm kernel shells, coconut shells, and tree tops and branches discarded during logging operations.



Biomass pellets are usually utilized in home pellet stove, central heating boiler, industrial boiler, or in power plants to replace coal. They can also be used as horse bedding and cat litter. However, biomass briquettes are sticks or blocks with large diameter and different shapes (hexagon, cylinder, cuboid, etc.) made by biomass briquette machines. They are primarily for industrial use for heating.

Related Books: - [Waste Management, Waste Disposal and Recycling Industry](#)



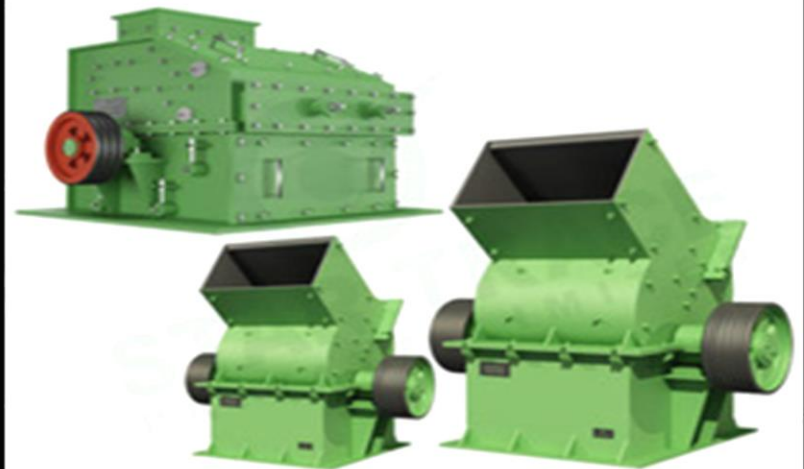
Key Players:-

- Enviva
- Pacific BioEnergy
- German Pellets
- RWE Innogy
- Drax Biomass
- General Biofuels
- Pfeifer Group
- Biomass Secure Power
- Energex
- Westervelt

Machinery Photographs



**Material Handling
Equipment**



Hammer Mill



Mixture



Briquette Plant

Project at a Glance

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existin g	Propose d	Total	Particulars	Existin g	Propose d	Total
Land & Site Development Exp.	0.00	2.00	2.00	Capital	0.00	23.50	23.50
Buildings	0.00	15.10	15.10	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	51.90	51.90	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	2.00	2.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	8.00	8.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	2.50	2.50	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	70.49	70.49
Preliminary & Pre- operative Exp	0.00	0.50	0.50	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	5.00	5.00	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	6.99	6.99				
TOTAL	0.00	93.99	93.99	TOTAL	0.00	93.99	93.99

Project at a Glance

Year	Annualised		Book Value	Debt	Dividend	Retained Earnings		Payout	Probable Market Price	P/E Ratio	Yield Price/Book Value
	EPS	CEPS	Per Share		Per Share	Per Share		%		No.of Times	%
1-2	1.82	6.68	11.82	24.00	0.00	100.00	1.82	0.00	1.82	1.00	0.00
2-3	4.85	9.05	16.68	18.00	0.00	100.00	4.85	0.00	4.85	1.00	0.00
3-4	7.83	11.45	24.50	12.00	0.00	100.00	7.83	0.00	7.83	1.00	0.00
4-5	10.69	13.82	35.19	6.00	0.00	100.00	10.69	0.00	10.69	1.00	0.00
5-6	13.40	16.12	48.59	0.00	0.00	100.00	13.40	0.00	13.40	1.00	0.00

Project at a Glance

Year	D. S. C. R.			Debt / Equity - Deposits Debt	Equity as-Equity	Total Net Worth	Return on Net Worth	Profitability Ratio					Assets Turnover Ratio	Current Ratio
	Individual	Cumulative	Overall					GPM	PBT	PAT	Net Contribution	P/V Ratio		
	(Number of times)			(Number of times)	%	%	%	%	%		%			
Initial				3.00	3.00									
1-2	1.07	1.07		2.03	2.03	2.79	12.84%	1.73%	2.16%	109.68	55.39%	1.92	0.84	
2-3	1.35	1.21		1.08	1.08	1.70	16.40%	6.93%	4.94%	127.72	55.29%	2.22	1.04	
3-4	1.69	1.36	1.69	0.49	0.49	0.97	18.85%	10.60%	6.96%	145.96	55.29%	2.37	1.35	
4-5	2.09	1.52		0.17	0.17	0.54	20.56%	13.21%	8.45%	164.20	55.29%	2.36	1.73	
5-6	2.57	1.69		0.00	0.00	0.30	21.75%	15.08%	9.54%	182.44	55.28%	2.25	3.09	



Project at a Glance

BEP	
BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	69.20%
Total BEP (% of Installed Capacity)	72.71%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	19.23%
Payback Period of the Project is (In Years)	After 3 Years
Fixed Assets Coverage Ratio (No. of times)	7.289



Major Queries/Questions Answered in the Report?

- 1. What is Biomass Briquettes from Biowaste Manufacturing industry ?**
- 2. How has the Biomass Briquettes from Biowaste Manufacturing industry performed so far and how will it perform in the coming years ?**
- 3. What is the Project Feasibility of Biomass Briquettes from Biowaste Manufacturing Plant ?**
- 4. What are the requirements of Working Capital for setting up Biomass Briquettes from Biowaste Manufacturing plant ?**

5. What is the structure of the Biomass Briquettes from Biowaste Manufacturing Business and who are the key/major players ?

6. What is the total project cost for setting up Biomass Briquettes from Biowaste Manufacturing Business?

7. What are the operating costs for setting up Cement Manufacturing plant ?

8. What are the machinery and equipment requirements for setting up Biomass Briquettes from Biowaste Manufacturing plant ?

9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Biomass Briquettes from Biowaste Manufacturing plant ?

10. What are the requirements of raw material for setting up Biomass Briquettes from Biowaste Manufacturing plant ?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up Biomass Briquettes from Biowaste Manufacturing Business?

12. What is the Manufacturing Process of Biomass Briquettes from Biowaste?

13. What is the total size of land required for setting up Biomass Briquettes from Biowaste Manufacturing plant ?

14. What will be the income and expenditures for Biomass Briquettes from Biowaste Manufacturing Business?

15. What are the Projected Balance Sheets of Biomass Briquettes from Biowaste Manufacturing plant ?

16. What are the requirement of utilities and overheads for setting up Biomass Briquettes from Biowaste Manufacturing plant?

17. What is the Built up Area Requirement and cost for setting up Biomass Briquettes from Biowaste Manufacturing Business?

- 18. What are the Personnel (Manpower) Requirements for setting up Biomass Briquettes from Biowaste Manufacturing Business?**
- 19. What are Statistics of Import & Export for Biomass Briquettes from Biowaste?**
- 20. What is the time required to break-even of Biomass Briquettes from Biowaste Manufacturing Business?**
- 21. What is the Break-Even Analysis of Biomass Briquettes from Biowaste Manufacturing plant?**
- 22. What are the Project financials of Biomass Briquettes from Biowaste Manufacturing Business?**

23. What are the Profitability Ratios of Biomass Briquettes from Biowaste Manufacturing Project?

24. What is the Sensitivity Analysis-Price/Volume of Biomass Briquettes from Biowaste Manufacturing plant?

25. What are the Projected Pay-Back Period and IRR of Biomass Briquettes from Biowaste Manufacturing plant?

26. What is the Process Flow Sheet Diagram of Biomass Briquettes from Biowaste Manufacturing project?

27. What are the Market Opportunities for setting up Biomass Briquettes from Biowaste Manufacturing plant?

28. What is the Market Study and Assessment for setting up Biomass Briquettes from Biowaste Manufacturing Business?

29. What is the Plant Layout for setting up Biomass Briquettes from Biowaste Manufacturing Business?

Table of Contents of the Project Report

1 PROJECT LOCATION

1.1. DISTRICT PROFILE & GEOTECHNICAL SITE CHARACTERIZATION

- 1.1.1. General
- 1.1.2. Geography
- 1.1.3. Demographics
- 1.1.4. Map
- 1.1.5. Economy
- 1.1.6. Industrial at a Glance
- 1.1.7. Transport
- 1.1.8. Media
- 1.1.9. Tourism

2 INTRODUCTION

3. BENEFITS OF PROJECT

4. TYPES OF BRIQUETTES ON THE BASIS OF RAW-MATERIALS

4.1. SAW DUST BRIQUETTES

4.1.1. Benefits

- 4.2. MUSTARD HUSK BRIQUETTES
- 4.2.1. Benefits
- 4.3. COTTON BRIQUETTES
- 4.4. GUAR BRIQUETTES
- 4.5. PEANUT SHELL BRIQUETTES
- 4.6. AGRO WASTE

5. USES AND APPLICATIONS

6. BENEFITS OF THE BIOMASS BRIQUETTES

- 6.1. ENVIRONMENTAL BENEFITS
- 6.2. SOCIAL BENEFITS
- 6.2. SOCIAL BENEFITS
- 6.3. ECONOMIC BENEFITS

7. ADVANTAGES

8. PROPERTIES

- 9. CHARACTERIZATION OF BRIQUETTES**
- 10. FACTORS THAT AFFECT THE PERFORMANCE OF BIOMASS BRIQUETTES**
- 11. BIOMASS CHARACTERISTICS**
- 12. FACTORS INFLUENCING BIOMASS UTILIZATION**
 - 12.1. MATERIAL FACTORS
 - 12.2. TECHNOLOGICAL FACTORS
 - 12.3. ECONOMIC FACTORS
 - 12.4. FISCAL FACTORS
 - 12.5. ORGANIZATIONAL FACTORS
 - 12.6. ENVIRONMENTAL ASPECTS
- 13. MARKET SURVEY**
 - 13.1. MAJOR PLAYERS
 - 13.2. GLOBAL BIOMASS BRIQUETTES MARKET
 - 13.3. PRESENT AND FUTURE PERSPECTIVES

14. EXPORT & IMPORT: ALL COUNTRIES

14.1. EXPORT: ALL COUNTRIES

14.2. IMPORT: ALL COUNTRIES

15. EXPORT & IMPORT STATISTICS OF INDIA

15.1. EXPORT STATISTICS OF BIOMASS BRIQUETTES

15.2. IMPORT STATISTICS OF BIOMASS BRIQUETTES

16. RAW MATERIALS

16.1. CALORIFIC VALUE OF DIFFERENT BIOMASS

16.2. ASH CONTENT OF DIFFERENT BIOMASS

16.3. BIOMASS CLASSIFICATION ON THE BASIS OF DIFFERENT SECTOR

17. COMPOSITION OF BIOMASS

18. MANUFACTURING PROCESS

19. PROCESS FLOW DIAGRAM

20. HEALTH AND SAFETY MEASURES IN BRIQUETTE PRODUCTION

21. TYPES OF MACHINES USED

- 21.1. TESTING MACHINE
- 21.2. MILLING EQUIPMENT
- 21.3. DRYING EQUIPMENT
- 21.4. BRIQUETTING MACHINE
- 21.5. PACKAGING MACHINE

22. SUPPLIERS OF PLANT & MACHINERY

23. SUPPLIERS OF RAW MATERIAL

24. PHOTOGRAPHS/IMAGES FOR REFERENCE

- 24.1. MACHINERY PHOTOGRAPHS
- 24.2. RAW MATERIAL PHOTOGRAPHS
- 24.3. PRODUCT PHOTOGRAPHS

25. PLANT LAYOUT

26. QUOTATION OF PLANT, MACHINERY AND EQUIPMENTS FROM SUPPLIER

Project Financials

• Project at a Glance	Annexure
• Assumptions for Profitability workings	1
• Plant Economics.....	2
• Production Schedule.....	3
• Land & Building.....	4
Factory Land & Building	
Site Development Expenses	

- **Plant & Machinery.....5**
 - Indigenous Machineries**
 - Other Machineries (Miscellaneous, Laboratory etc.)**

- **Other Fixed Assets.....6**
 - Furniture & Fixtures**
 - Pre-operative and Preliminary Expenses**
 - Technical Knowhow**
 - Provision of Contingencies**

- **Working Capital Requirement Per Month.....7**
 - Raw Material**
 - Packing Material**
 - Lab & ETP Chemical Cost**
 - Consumable Store**

- **Overheads Required Per Month and Per Annum.....8**
 - Utilities & Overheads (Power, Water and Fuel Expenses etc.)**
 - Royalty and Other Charges**
 - Selling and Distribution Expenses**

- **Salary and Wages9**

- **Turnover Per Annum10**

- **Share Capital.....11**
 - Equity Capital**
 - Preference Share Capital**



- **Annexure 1 :: Cost of Project and Means of Finance**
- **Annexure 2 :: Profitability and Net Cash Accruals**
 - **Revenue/Income/Realisation**
 - **Expenses/Cost of Products/Services/Items**
 - **Gross Profit**
 - **Financial Charges**
 - **Total Cost of Sales**
 - **Net Profit After Taxes**
 - **Net Cash Accruals**

• **Annexure 3 :: Assessment of Working Capital requirements**

- **Current Assets**
- **Gross Working Capital**
- **Current Liabilities**
- **Net Working Capital**
- **Working Note for Calculation of Work-in-process**

• **Annexure 4 :: Sources and Disposition of Funds**

- **Annexure 5 :: Projected Balance Sheets**

- **ROI (Average of Fixed Assets)**
- **RONW (Average of Share Capital)**
- **ROI (Average of Total Assets)**

- **Annexure 6 :: Profitability Ratios**

- **D.S.C.R**
- **Earnings Per Share (EPS)**
- **Debt Equity Ratio**

• **Annexure 7 :: Break-Even Analysis**

- **Variable Cost & Expenses**
- **Semi-Variable/Semi-Fixed Expenses**
- **Profit Volume Ratio (PVR)**
- **Fixed Expenses / Cost**
- **B.E.P**

• **Annexure 8 to 11 :: Sensitivity Analysis-Price/Volume**

- **Resultant N.P.B.T**
- **Resultant D.S.C.R**
- **Resultant PV Ratio**
- **Resultant DER**
- **Resultant ROI**
- **Resultant BEP**

- **Annexure 12 :: Shareholding Pattern and Stake Status**

- **Equity Capital**
- **Preference Share Capital**

- **Annexure 13 :: Quantitative Details-Output/Sales/Stocks**

- **Determined Capacity P.A of Products/Services**
- **Achievable Efficiency/Yield % of Products/Services/Items**
- **Net Usable Load/Capacity of Products/Services/Items**
- **Expected Sales/ Revenue/ Income of Products/ Services/ Items**

- **Annexure 14** :: **Product wise Domestic Sales Realisation**
- **Annexure 15** :: **Total Raw Material Cost**
- **Annexure 16** :: **Raw Material Cost per unit**
- **Annexure 17** :: **Total Lab & ETP Chemical Cost**
- **Annexure 18** :: **Consumables, Store etc.**
- **Annexure 19** :: **Packing Material Cost**
- **Annexure 20** :: **Packing Material Cost Per Unit**

- **Annexure 21** :: **Employees Expenses**
- **Annexure 22** :: **Fuel Expenses**
- **Annexure 23** :: **Power/Electricity Expenses**
- **Annexure 24** :: **Royalty & Other Charges**
- **Annexure 25** :: **Repairs & Maintenance Expenses**
- **Annexure 26** :: **Other Manufacturing Expenses**
- **Annexure 27** :: **Administration Expenses**
- **Annexure 28** :: **Selling Expenses**

- **Annexure 29 :: Depreciation Charges – as per Books (Total)**
- **Annexure 30 :: Depreciation Charges – as per Books (P & M)**
- **Annexure 31 :: Depreciation Charges - as per IT Act WDV (Total)**
- **Annexure 32 :: Depreciation Charges - as per IT Act WDV (P & M)**
- **Annexure 33 :: Interest and Repayment - Term Loans**
- **Annexure 34 :: Tax on Profits**
- **Annexure 35 :: Projected Pay-Back Period and IRR**

Reasons for Buying our Report:

- **This report helps you to identify a profitable project for investing or diversifying into by throwing light to crucial areas like industry size, market potential of the product and reasons for investing in the product**
- **This report provides vital information on the product like it's characteristics and segmentation**
- **This report helps you market and place the product correctly by identifying the target customer group of the product**

- **This report helps you understand the viability of the project by disclosing details like machinery required, project costs and snapshot of other project financials**
- **The report provides a glimpse of government regulations applicable on the industry**
- **The report provides forecasts of key parameters which helps to anticipate the industry performance and make sound business decisions**

Our Approach:

- **Our research reports broadly cover Indian markets, present analysis, outlook and forecast for a period of five years.**
- **The market forecasts are developed on the basis of secondary research and are cross-validated through interactions with the industry players**
- **We use reliable sources of information and databases. And information from such sources is processed by us and included in the report**

Scope of the Report

The report titled “Market Survey cum Detailed Techno Economic Feasibility Report on Biomass Briquettes from Biowaste.” provides an insight into Biomass Briquettes from Biowaste market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Biomass Briquettes from Biowaste project. The report assesses the market sizing and growth of the Indian Biomass Briquettes from Biowaste Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line. And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:

- **Good Present/Future Demand**
- **Export-Import Market Potential**
- **Raw Material & Manpower Availability**
- **Project Costs and Payback Period**

We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in the Biomass Briquettes from Biowaste sector in India along with its business prospects. Through this report we have identified Biomass Briquettes from Biowaste project as a lucrative investment avenue.

Tags

#projectreport #DetailedProjectReport #businessconsultant
#businessfeasibilityreport #BusinessPlan #BiomassBriquettes #biofuel
#waste #recycling #biowaste #agriculturewaste #WasteManagement
#ewaste #SolidWaste #WasteWater #IndustrialWaste #foodwaste
#bioproducts #NPCS



**Niir Project Consultancy Services (NPCS)
can provide Detailed Project Report on
Manufacturing of Biomass Briquettes
from Biowaste.**

**Profitable Investment in Agro Waste
Briquette Industry.**

Turning Waste into Energy

See more
Project Reports & Profiles
BOOKS



Visit us at

www.entrepreneurindia.co



www.entrepreneurindia.co

**Take a look at
Niir Project Consultancy Services
on #Street View**

<https://goo.gl/VstWkd>

*Locate us on
Google Maps*

<https://goo.gl/maps/BKkUtg9gevT2>

OUR CLIENTS

Our inexhaustible Client list includes public-sector companies, Corporate Houses, Government undertaking, individual entrepreneurs, NRI, Foreign investors, non-profit organizations and educational institutions from all parts of the World. The list is just a glimpse of our esteemed & satisfied Clients.

Click here to take a look
<https://goo.gl/G3ICjV>



Free Instant Online Project

Identification and Selection Service

Our Team has simplified the process for you by providing a "Free Instant Online Project Identification & Selection" search facility to identify projects based on multiple search parameters related to project costs namely: Plant & Machinery Cost, Total Capital Investment, Cost of the project, Rate of Return% (ROR) and Break Even Point % (BEP). You can sort the projects on the basis of mentioned pointers and identify a suitable project matching your investment requisites.....[Read more](#)



Download Complete List of Project

Reports:

▪ Detailed Project Reports

NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.

Our Market Survey cum Detailed Techno Economic Feasibility Report provides an insight of market in India. The report assesses the market sizing and growth of the Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line.



And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:

- **Good Present/Future Demand**
- **Export-Import Market Potential**
- **Raw Material & Manpower Availability**
- **Project Costs and Payback Period**

The detailed project report covers all aspect of business, from analyzing the market, confirming availability of various necessities such as Manufacturing Plant, Detailed Project Report, Profile, Business Plan, Industry Trends, Market Research, Survey, Manufacturing Process, Machinery, Raw Materials, Feasibility Study, Investment Opportunities, Cost and Revenue, Plant Economics, Production Schedule,



Working Capital Requirement, uses and applications, Plant Layout, Project Financials, Process Flow Sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios, Break Even Analysis. The DPR (Detailed Project Report) is formulated by highly accomplished and experienced consultants and the market research and analysis are supported by a panel of experts and digitalized data bank.

We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in India along with its business prospects.....[Read more](#)



Contact us

NIIR PROJECT CONSULTANCY SERVICES

106-E, Kamla Nagar, Opp. Spark Mall,

New Delhi-110007, India.

Email: npcs.ei@gmail.com , info@entrepreneurindia.co

Tel: +91-11-23843955, 23845654, 23845886, 8800733955

Mobile: +91-9811043595

Fax: +91-11-23845886

Website : www.entrepreneurindia.co , www.niir.org

Take a look at NIIR PROJECT CONSULTANCY SERVICES on #StreetView

<https://goo.gl/VstWkd>



Niir PROJECT CONSULTANCY SERVICES

An ISO 9001:2015 Company



www.entrepreneurindia.co

Who are we?

- *One of the leading reliable names in industrial world for providing the most comprehensive technical consulting services*
- *We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad*

We at NPCS want to grow with you by providing solutions scale to suit your new operations and help you reduce risk and give a high return on application investments. We have successfully achieved top-notch quality standards with a high level of customer appreciation resulting in long lasting relation and large amount of referral work through technological breakthrough and innovative concepts. A large number of our Indian, Overseas and NRI Clients have appreciated our expertise for excellence which speaks volumes about our commitment and dedication to every client's success.



We bring deep, functional expertise, but are known for our holistic perspective: we capture value across boundaries and between the silos of any organization. We have proven a multiplier effect from optimizing the sum of the parts, not just the individual pieces. We actively encourage a culture of innovation, which facilitates the development of new technologies and ensures a high quality product.



What do we offer?

- *Project Identification*
- *Detailed Project Reports/Pre-feasibility Reports*
- *Market Research Reports*
- *Business Plan*
- *Technology Books and Directory*
- *Industry Trend*
- *Databases on CD-ROM*
- *Laboratory Testing Services*
- *Turnkey Project Consultancy/Solutions*
- *Entrepreneur India (An Industrial Monthly Journal)*

How are we different ?

- *We have two decades long experience in project consultancy and market research field*
- *We empower our customers with the prerequisite know-how to take sound business decisions*
- *We help catalyze business growth by providing distinctive and profound market analysis*
- *We serve a wide array of customers , from individual entrepreneurs to Corporations and Foreign Investors*
- *We use authentic & reliable sources to ensure business precision*

Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation

Contact us

NIIR PROJECT CONSULTANCY SERVICES

106-E, Kamla Nagar, Opp. Spark Mall,
New Delhi-110007, India.

Email: npcs.ei@gmail.com , info@entrepreneurindia.co

Tel: +91-11-23843955, 23845654, 23845886, 8800733955

Mobile: +91-9811043595

Fax: +91-11-23845886

Website : www.entrepreneurindia.co , www.niir.org

Take a look at NIIR PROJECT CONSULTANCY SERVICES on #StreetView

<https://goo.gl/VstWkd>



Follow us



➤ <https://www.linkedin.com/company/niir-project-consultancy-services>



➤ <https://www.facebook.com/NIIR.ORG>



➤ <https://www.youtube.com/user/NIIRproject>



➤ https://twitter.com/npcs_in



➤ <https://www.pinterest.com/npcsindia/>



THANK YOU

For more information, visit us at:

www.niir.org

www.entrepreneurindia.co



www.entrepreneurindia.co