

AAC Blocks

(Autoclaved Aerated Concrete Blocks) –

Market Survey cum Detailed

Techno Economic Feasibility

Project Report

Introduction

Autoclaved Aerated Concrete (AAC) is a non-combustible, lime-based, cementitious building material that is expanding into new worldwide markets. As a single-component building material, AAC has achieved acceptance in new markets throughout the world.

AAC Block



This is a light-weight building material produced by autoclaving a set mix of fine siliceous materials such as ground sand or fly ash and a binder like Portland cement or lime.

Autoclaved Aerated Concrete (AAC) products are 4 times lighter in weight than ordinary concrete. Its characteristic structure comprising millions of tiny pores, it offers optimum solidity at low weight.

As air has a low heat conductivity, aerated concrete provides for excellent thermal protection. It protects from cold and heat, allowing for single-shell constructions which provide more space, save time and reduce costs-aspects which are of considerable importance to property developers.

Advantages of Autoclaved Aerated Concrete Blocks:

High strength to weight ratio, Low thermal conductivity, Stability to variations in temperature and humidity, and resistance to fire.

AAC products are equally suitable for residential construction, multistory buildings, commercial, and industrial construction. The products are made of natural materials: sand, lime, and water.



“The autoclaved aerated concrete sector of the construction industry is now in the phase of a tremendous growth cycle. The autoclaved aerated concrete industry must utilize competitive techniques as customers are looking for lowered costs.



AAC is not a new building system but it is new to India. Autoclaved aerated concrete (“AAC”), though relatively unknown in India, is currently one of the many building products being touted as “green” or “environmentally friendly.” Thus, due to demand it is a good project for entrepreneurs to invest.

PROJECT AT A GLANCE

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	255.00	255.00	Capital	0.00	353.84	353.84
Buildings	0.00	309.95	309.95	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	601.11	601.11	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	25.00	25.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	45.00	45.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	50.00	50.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	1061.51	1061.51
Preliminary & Pre-operative Exp	0.00	5.00	5.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	60.00	60.00	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	64.29	64.29				
TOTAL	0.00	1415.35	1415.35	TOTAL	0.00	1415.35	1415.35

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				
	Rs	Rs	Rs	Rs	Rs	%	Rs	%	Rs	No.of Times	%
1-2	5.16	9.17	15.16	24.00	0.00	100.00	5.16	0.00	5.16	1.00	0.00
2-3	7.76	11.24	22.93	18.00	0.00	100.00	7.76	0.00	7.76	1.00	0.00
3-4	10.37	13.39	33.29	12.00	0.00	100.00	10.37	0.00	10.37	1.00	0.00
4-5	12.93	15.56	46.23	6.00	0.00	100.00	12.93	0.00	12.93	1.00	0.00
5-6	15.44	17.73	61.66	0.00	0.00	100.00	15.44	0.00	15.44	1.00	0.00

PROJECT AT A GLANCE

Year	D. S. C. R.			Debt / - 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 Contribut ion	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%	%			
Initial				3.00	3.00									
1-2	1.34	1.34		1.58	1.58	2.22		14.82%	8.44%	6.15%	1039.95	35.02%	1.77	0.93
2-3	1.61	1.47		0.79	0.79	1.27		16.89%	11.88%	7.93%	1212.37	34.99%	1.93	1.25
3-4	1.94	1.61	1.94	0.36	0.36	0.74		18.29%	14.34%	9.26%	1385.55	34.99%	1.97	1.63
4-5	2.33	1.77		0.13	0.13	0.43		19.27%	16.13%	10.27%	1558.72	34.99%	1.92	2.05
5-6	2.82	1.94		0.00	0.00	0.25		19.95%	17.44%	11.03%	1731.89	34.99%	1.83	3.49

PROJECT AT A GLANCE

BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	45.46%
Total BEP (% of Installed Capacity)	50.15%

IRR, PAYBACK and FACR

Internal Rate of Return .. (In %age)	25.10%
Payback Period of the Project is (In Years)	2 Years 6 Months
Fixed Assets Coverage Ratio (No. of times)	6.047

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can provide Detailed Project Report on
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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*



What do we offer?

- *Project Identification*
- *Detailed Project Reports/Pre-feasibility Reports*
- *Market Research Reports*
- *Technology Books and Directory*
- *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

Who do we serve?

- *Public-sector Companies*
- *Corporates*
- *Government Undertakings*
- *Individual Entrepreneurs*
- *NRI's*
- *Foreign Investors*
- *Non-profit Organizations, NBFC's*
- *Educational Institutions*
- *Embassies & Consulates*
- *Consultancies*
- *Industry / trade associations*

Sectors We Cover

- *Ayurvedic And Herbal Medicines, Herbal Cosmetics*
- *Alcoholic And Non Alcoholic Beverages, Drinks*
- *Adhesives, Industrial Adhesive, Sealants, Glues, Gum & Resin*
- *Activated Carbon & Activated Charcoal*
- *Aluminium And Aluminium Extrusion Profiles & Sections,*
- *Bio-fertilizers And Biotechnology*
- *Breakfast Snacks And Cereal Food*
- *Bicycle Tyres & Tubes, Bicycle Parts, Bicycle Assembling*



- *Bamboo And Cane Based Projects*
- *Building Materials And Construction Projects*
- *Biodegradable & Bioplastic Based Projects*
- *Chemicals (Organic And Inorganic)*
- *Confectionery, Bakery/Baking And Other Food*
- *Cereal Processing*
- *Coconut And Coconut Based Products*
- *Cold Storage For Fruits & Vegetables*
- *Coal & Coal Byproduct*

- *Copper & Copper Based Projects*
- *Dairy/Milk Processing*
- *Disinfectants, Pesticides, Insecticides, Mosquito Repellents,*
- *Electrical, Electronic And Computer based Projects*
- *Essential Oils, Oils & Fats And Allied*
- *Engineering Goods*
- *Fibre Glass & Float Glass*
- *Fast Moving Consumer Goods*
- *Food, Bakery, Agro Processing*

- *Fruits & Vegetables Processing*
- *Ferro Alloys Based Projects*
- *Fertilizers & Biofertilizers*
- *Ginger & Ginger Based Projects*
- *Herbs And Medicinal Cultivation And Jatropha (Biofuel)*
- *Hotel & Hospitability Projects*
- *Hospital Based Projects*
- *Herbal Based Projects*
- *Inks, Stationery And Export Industries*

- *Infrastructure Projects*
- *Jute & Jute Based Products*
- *Leather And Leather Based Projects*
- *Leisure & Entertainment Based Projects*
- *Livestock Farming Of Birds & Animals*
- *Minerals And Minerals*
- *Maize Processing(Wet Milling) & Maize Based Projects*
- *Medical Plastics, Disposables Plastic Syringe, Blood Bags*
- *Organic Farming, Neem Products Etc.*

- *Paints, Pigments, Varnish & Lacquer*
- *Paper And Paper Board, Paper Recycling Projects*
- *Printing Inks*
- *Packaging Based Projects*
- *Perfumes, Cosmetics And Flavours*
- *Power Generation Based Projects & Renewable Energy Based Projects*
- *Pharmaceuticals And Drugs*
- *Plantations, Farming And Cultivations*
- *Plastic Film, Plastic Waste And Plastic Compounds*
- *Plastic, PVC, PET, HDPE, LDPE Etc.*

- *Potato And Potato Based Projects*
- *Printing And Packaging*
- *Real Estate, Leisure And Hospitality*
- *Rubber And Rubber Products*
- *Soaps And Detergents*
- *Stationary Products*
- *Spices And Snacks Food*
- *Steel & Steel Products*
- *Textile Auxiliary And Chemicals*

- *Township & Residential Complex*
- *Textiles And Readymade Garments*
- *Waste Management & Recycling*
- *Wood & Wood Products*
- *Water Industry(Packaged Drinking Water & Mineral Water)*
- *Wire & Cable*

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