PROJECT REPORT FOR

AAC block plant Capacity

290 m^3/day (4.2m mould size)
87000 m^3/ Year,

Expandable
580m3/day (4.2m mould size)
174000m3/Year

Land Required – 3-5 acre

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Cost Of Project:

Capacity 87,000 m^3 / Year Expandable to 174000m3 / Year

Sr. No	Detail	Amount in Crores	
1	Machineries From China	**3.60**	
2	Boiler with All Accessories & Installation	**1.40**	
3	M.S. Silos – 3 sets	**0.38**	
4	D.G. Set -1 set 200kva	**0.25**	
5	Electrification out side	**0.15**	
6	Rails	**0.18**	
7	Instrumentation All Panel	**0.90**	
8	Thermal Insulation Autoclaves	**0.20**	
9	MS Pallets	**0.25**	
10	Air Compressor	**0.04**	
11	Bulker Unloading system	**0.05**	
12	Autoclaves (2.5x36 m, 2 nos)	**1.60**	
13	Rotary screen optional	**0.05**	
14	Water Slurry Steam Pipes Valves	**0.10**	
15	Weighting scale	**0.10**	
16	Bulker Bag Unloading system	**0.10**	
17	Erection and Commissioning	**0.40**	
	Total Cost	**9.75**	
Approx. = 9.75 Cr			

TOTAL PROJECT COST EXCLUDING LAND, CIVIL, SHED & WORKING CAPITAL

CAPACITY 87,000 m^3 per annum

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DETAILS OF BOILER

Sr. No.	Particulars	Detail Of Machine	Amount (Rs. In Cr.)
1	Boiler	4 Tn / Hr., 17.5 kg/cm^2	0.35
2	Fabrication of Chimney, Coal Bunker, Ducting, ID Fan , FD Fan, Feed Water Tank, Refrectory, Instalation		0.90
3	Steam Pipeline and it's component	6" and 4" pipe	0.10
4	Steam Header	For Autoclave IBR 3 SETS	0.09
5	R. O. Plant	For Reducing Hardness of H_2O	0.04
6	Vacuum Pump	For vacuum Cycle	0.02
	TOTAL		**1.40**

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DETAILS OF SILOS

Sr. No.	Particulars	Detail of Machine	QTY.(No's)	Total Weight (In Ton)	Rate (Per Ton)	Amount (Rs. In Cr.)
1	Silos	10 ton	3	30	90000	0.27
2	Column & Gantry	12 tons	As per drawing	12	90000	0.11
	TOTAL					**0.38**

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DETAIL OF OTHER EXP.

S. No.	DESCRIPTION OF MACHINERY	Details of plant and machinery	QTY. (No's)	Total (In. Cr.)	BASIS
1	Rails	30 Lbs, 60 Lbs	30mt	0.18	ESTIMATED
2	D.G Set	200 KVA	1	0.25	ESTIMATED
3	All Panel, Cables, Atomations	As per Drawing		0.90	ESTIMATED
4	Industrial Wires & Cables	As per Specifications	1	0.15	ESTIMATED
5	Pallets			0.25	ESTIMATED
6	Thermal Insulation	as per need		0.20	ESTIMATED
7	Air Compressor	as per need		0.04	ESTIMATED
8	Weighting scale	40 MT		0.10	ESTIMATED
9	Bulker Unloading system			0.05	ESTIMATED
10	Bulker Bag Unloading system			0.07	ESTIMATED
11	Erection and Commissioning			0.40	ESTIMATED
		Total		**1.73**	

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Cost Of Production For Sand Based

Raw Material	Qty*Rate	Amount in Rs
Sand	1.3 Ton * 750.00 Rs/Ton	975
Cement	325 Kg * 6.00 Rs/Kg	1950
Lime	130 Kg * 9.5 Rs/kg	1235
Gypsum	18 Kg * 5 Rs/kg	90
All. Powder	1.110 Kg * 325 Rs/kg	360
Sol. Oil	1 liter * 35 Rs/Liter	35
Mould Oil	1 liter * 35 Rs/Liter	35
Total		**4680**

1 Mould		4608
3.02 m^3		4680
1 m^3		1550

Raw material cost will be Rs.1550/ m^3

Note – Raw material cost may vary as per location

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Overhead Cost with Sand

Sr. No	Description	Rate/ m^3
1	Skilled Labours	125
2	Unskilled Labours	200
3	Electricity	75
4	Boiler	300
5	Marketing	45
6	Maintenance	50
7	Wastage	45
8	Hidden Expenses	50
	Total Rs.	**890**

Raw material cost + Overhead cost = Total Production Cost
1550+890 = 2440
2440/ m^3

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Cost Of Production For Fly Ash Based

Raw Material	Qty*Rate	Amount in Rs
Fly Ash	1.3 Ton * 500.00 Rs/Ton	650
Cement	290 Kg * 6 Rs/Kg	1740
Lime	120 Kg * 9.5 Rs/kg	1140
Gypsum	18 Kg * 5 Rs/kg	90
All. Powder	1.11 Kg * 325 Rs/kg	360
Sol. Oil	1 liter * 35 Rs/Liter	35
Mould Oil	1 liter * 35 Rs/Liter	35
Total		4050

1 Mould		4050
3.02 m3		4050
1 m3		1340

Raw material cost will be Rs.1340/ m^3

Note – Raw material cost may vary as per location

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Overhead Cost with fly ash

Sr. No	Description	Rate/ m3
1	Skilled Labours	125
2	Unskilled Labours	200
3	Electricity	75
4	Boiler	300
5	Marketing	45
6	Maintenance	50
7	Wastage	46
8	Hidden Expenses	50
	Total Rs.	**890**

Raw material cost + Overhead cost = Total Production Cost
1340+890 = 2230
2230/ m3

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Men Power Details

SR NO.	A. SKILLED LABOUR AS PER CONTRACT.	
1	Plant Manager	1
2	Shift Incharge	2
3	Slurry Section	2
4	Batching Operator	2
5	Ferry Cart	2
6	Rising	2
7	Tilting Crane	2
8	Cutting Section	2
9	Production Crane	2
10	Autoclave	2
11	Finished Goods Crane	2
	TOTAL	21

SR NO.	B. MAINTAINENCE	
1	**Mechanical**	
a.	Mechanical Head	1
b.	Fitter	2
c.	Welder	2
d.	Helper	2

2	**Electrical**	
a.	Electrical Head	1
b.	Wiremen	1
	TOTAL	09

B. UNSKILLED LABOUR REQUIRED

1	Production Labour per Shift	12 * Double shift = 24 workers
2	Segregation	3* Double shift = 6 workers
3	Loading Labour	4* Double shift = 8 workers
	TOTAL	**38**

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Terms & Conditions.

a) Transportation & Insurance From Port & factories At Actuals Extra

b) GST 18% Extra

c) **Payment 50% Advance , Balance 50% plus taxes before dispatch from Respective Factories, after pre dispatch Inspection.**

Installation --> For installation

a) We will arrange All Mechanical , Electrical, Plumbing , Autoclave Engineers who will do all supervision at your site at time of machine installation Approximately 20 Heads.

b) All Expenses to your Town /City from Hyderabad / Baroda Airport together with there accommodation and food have to be taken care by you. Supervisors have to be provide a better standard Hotel or rooms

Services:-

→ Warranty period → There is a one year warranty from the time of equipment Arrived at your site.

→ Order Cancellation Procedure → Once Order placed it can not be cancelled.

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BRICKWELL

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