

What do we want to do?

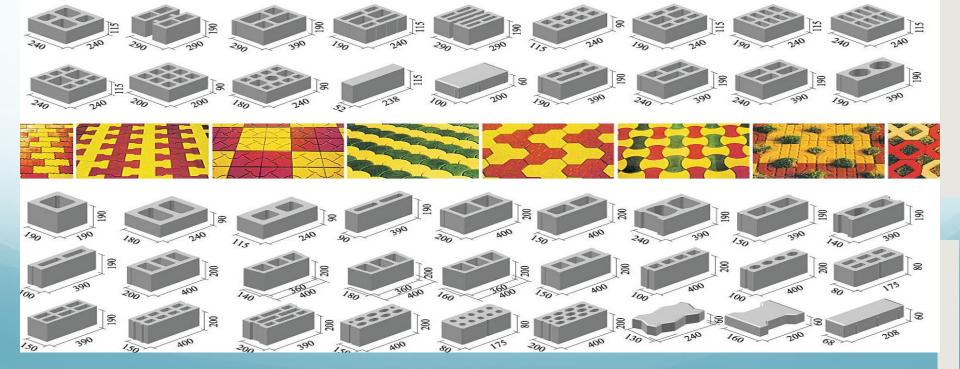
Bricks made from fly ash generated from rice husk power plant

Social objectives

Affordable, reliable and environmentally friendly bricks made from fly ash

Business model

- Fly ash to be collected from existing rice husk based power plant installed by us
- Utilizing fly ash from every plant will solve the problem of dumping



Entrepreneur & Link industry

- Main entrepreneur: Mr Sarkar Ardhendu (Ripon), mechanical engineer and owner of a large machinery sales business in Bangladesh
- This is a link project of the proposed rice husk based power plant













- Useable fly ash from proposed rice husk power plant approx. 500 Tons/Year
- Required fly ash for brick production approx. 700 Tons/Year

Yearly Revenue per plant: 26,250,000 Tk

- Total production of fly ash bricks:
 approx 35,000,00 Pcs/Year
 at 80% capacity
- **Cost of production:** 6.57 Tk/Pcs
- **Selling price:** approx .7.50 Tk/ Pcs









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- **Yearly sales:** approx. 26,250,000/- Tk





Yearly Production Cost: 23,000,000 Tk

- RM Fly Ash: 7,000,000 kg/@ 0.50 Tk
 - = Total Tk 3,500,000/- per year
- Sand & Stone: 900,000 Kg/@ 1 Tk
 - = Total Tk 900,000/- per year
- Cement cost: 1200,000 Kg/Year @ 9 Tk/Kg
 - = Total Tk 10,800,000/- per year
 - Labour & related: Tk 25,00,000 /-
- Repairs & maintenance:
 - 5,00,000/- Tk/Year
- **Elec. Cost**.: 10,00,000 /- Tk/Year
- Other Cost: 20,00,000/- Tk/Year
- Depreciation: 1800,000/- Tk/Year

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Yearly Profit: 3,250,000 Tk

Revenue: Tk 26,250,000

- Cost: Tk 23,000,000

Profit: Tk 3,250,000

Yearly Production Cost: 23,000,000 Tk

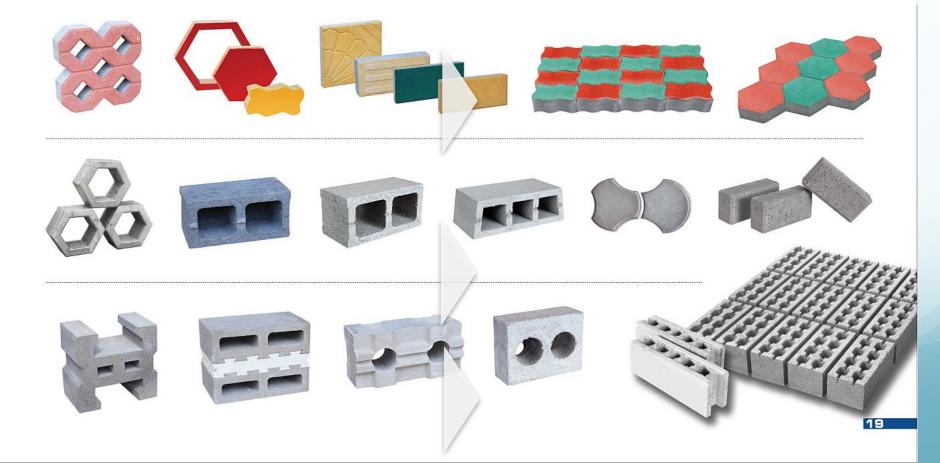
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- Bring affordable, reliable and environmentally sustainable house building material thereby reducing carbon emission by 1500 tons per year
- Cost reduction for civil construction by min. 10%
 - Significant cost savings for any kind of construction work

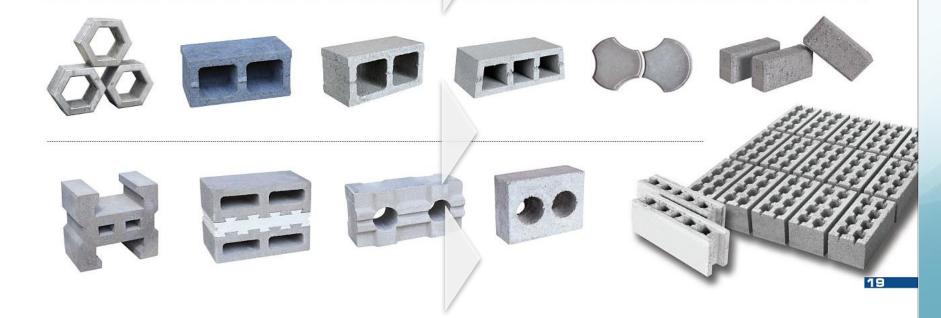


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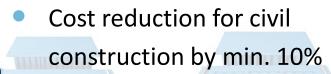
 Cost effective for owner, reduce building dead weight



Reducing the demand for conventional paving bricks



 Bring affordable, reliable and environmentally sustainable house building material thereby reducing carbon emission by 1500 tons per year



Significant cost savings for any kind of construction work

 Cost effective for owner, reduce building dead weight



Reducing the demand for conventional paving bricks

 Reduce firewood harvesting for conventional brickworks wood savings: 380 tons per year coal savings: 700 tons per year



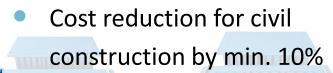




Reduce land excavation for conventional paving bricks and mud consumption by 9000 tons per year



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 Reduce firewood harvesting for conventional brickworks wood savings: 380 tons per year coal savings: 700 tons per year

Less heat transfer due to hollow brick structure Reduce land excavation for conventional paving bricks and mud consumption by 9000 tons per year

Creation of employment: 20 jobs at the brick plant

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