

# Concept Note

# Multi-Layer ASA uPVC

# Roofing Sheet Project



House 14C, Road 95, Gulshan 2,  
Dhaka- 1212, Bangladesh



Clean  
Energy  
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# Automatic Multi-Layer Roof Sheet Manufacturing Project

## ASA-uPVC Multi-Layer Roof Sheet

Automatic Concrete Blocks and Bricks are environment friendly building material that is widely accepted around the world. These are currently gaining popularity in the construction industry. Manufacturing plans for such building materials are simple and fairly straight-forward using easily available materials locally. It is highly energy efficient, environment friendly, no emission, semi-automatic to fully automatic system.

**Following are some key facts of the project:**

<i>Type of Project</i> ASA-uPVC-UVuPVC Three Layer Roofing Sheet		
<i>Products and Size</i>		
<b>ASA-uPVC-UVuPVC Three Layer Roofing Sheet</b>		Width: 1050 mm Length: ~ Thickness: 2~3 mm
<b>ASA-uPVC Roofing Sheet</b>		Width: 1050 mm Length: ~ Thickness: 2~3 mm
<b>ASA-uPVC-UVuPVC Three Layer Roofing Tiles</b>		Width: 1050 mm Length: ~ Thickness: 2~3 mm
<b>Auxiliary Items</b>		
	Main Ridge	

	Oblique Ridge Tile
	Tail Tile
	Tee
<i>Production Capacity per day</i>	<b>13000 sft (@ 100% utilization)</b>
<i>Power Requirement</i>	<b>350 KW (total installed load)</b>
<i>Land Requirement</i>	<b>1 acre</b>
<i>Annual Cycle</i>	<b>330 days production</b>
<i>Operation Period</i>	<b>16 hours /day</b>
<i>Number of Production Line</i>	<b>1 Line</b>
<i>Expansion Option</i>	<b>New line can be added anytime to increase production capacity in the existing infrastructure</b>
<i>Housing</i>	<b>Enclosed workshop- 15000 sft Finished Goods Warehouse- 2000 sft Raw Material Warehouse- 2000 sft</b>
<i>No. of Production Labor</i>	<b>30~40 persons total in 2 shifts</b>

## PROJECT COST

Head	Amount
Land and Land Development	
Importable Machines (Production Line)	40,635,000.00
Local Machines	2,520,000.00
Generators	5,160,000.00
Civil Works	25,300,000.00
Power and Others	6,800,000.00
Duty-Tax-Handling, Installation	10,666,590.00
Vehicles, Support Equipment	11,472,000.00
Startup, Trial Run and Related Expenses	8,056,500.00
Contingencies	3,196,343.60

IDCP	
<b>Total Excluding Land, Land Development and IDCP</b>	<b>113,806,433.60</b>

(In words: **Eleven Crore Thirty-Eight Lac Six Thousand Four Hundred Thirty-Three Only**)

### PRODUCTION COSTS

Head	BDT	Sales Price
Cost of Raw Material per sft	38.75	
Wages	1.28	
Factory Salary	1.71	
Manufacturing Overheads	6.83	
<b>Total Cost of Product per sft</b>	<b>48.57</b>	<b>80.00</b>

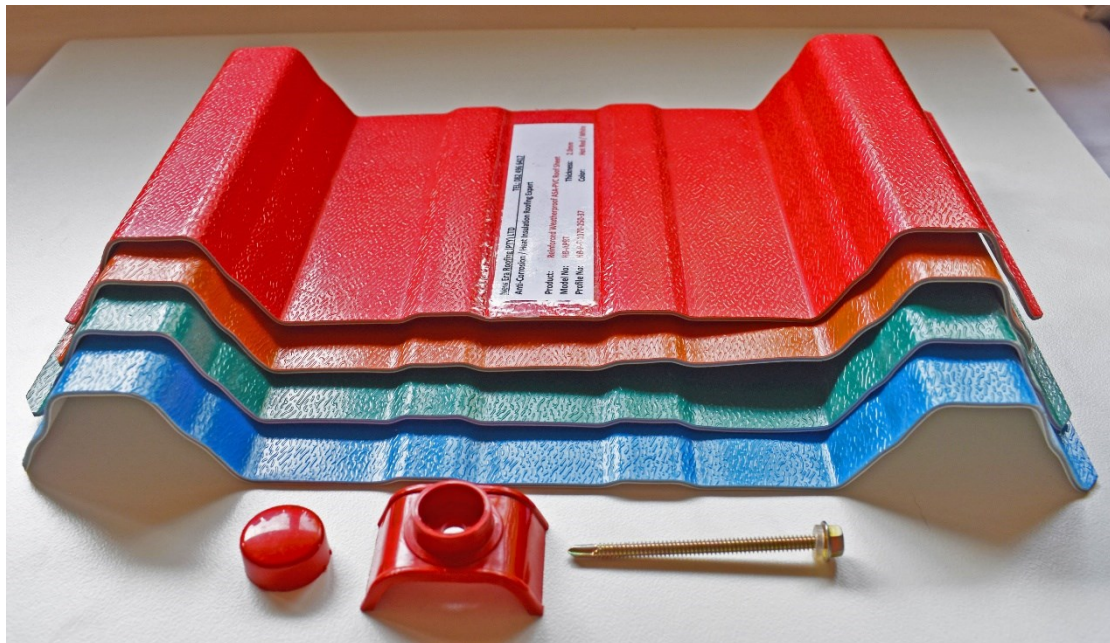
### BASIC FINANCIAL INDICATORS

IRR	40%
Average ROI	44%
Average DSCR	4.51
Minimum DSCR	3.65
Payback Period	2.63

### Net Profit After Tax

Year 1	Year 2	Year 3	Year 4	Year 5
<b>43,307,405.07</b>	<b>48,943,968.41</b>	<b>54,660,228.79</b>	<b>56,602,036.54</b>	<b>57,430,651.63</b>







## OUR SERVICES

We provide one window solution including:

- Project Planning and Budgeting
- Design and Drawing
- Construction & Erection
- Project Implementation
- Feasibility Study
- Legal Analysis Support
- Project Management & Documentation
- Financial Planning
- Fund Raising Assistance (Local & International)

**PLEASE CONTACT FOR ANY SUPPORT:**



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