

ASICC CODE – 71373
Quality & Standard – ISI specification No.IS: 6248
Month & Year of Preparation – February'07
Prepared by – Br. SISI, Dimapur (Nagaland)

ROLLING SHUTTERS

1. Products and its uses

Rolling shutters are made of steel sheets & strips and are used as a flexible door panel in shops, godowns, workshop sheds. As the rolling shutters are wound over on a overhead winding mandril, the shutter will not give any problem for movement of people or vehicles through the door. The shutters roll upwards parallel to front wall not occupying any space in the floor and therefore, they are preferred for use in shops. Further, as these are made of steel sheets, they are strong, long-lasting and safe.

2. Market Potential

There are good demand for rolling shutters, as an item of common use in the construction of shops etc. They are sold directly to the users.

3. Production Targets (Annual)

It is proposed to manufacture 6000 sq. Mtrs. Of rolling shutters per year in different sizes – valued at Rs. 15,00,000/- approximately.

4. Basis & Assumptions

The calculations have been done on single shift basis and 25 working days in a month.

5. Production Details & Process of Manufacture

M.S. strips of desired width are taken in coil form and fed to roller type sheet-forming machine in which the rolling shutter profiles are formed. The spring steel wires are formed into springs in the spring coiling machines. The hand shearing machine and the press brake are used for frame fabrication. All the components are assembled and painted with red oxide primer.

6. Quality Control & Standards

The product is to be fabricated and inspected as per ISI specification No.IS: 6248.

(c) M.S. Tube sheets & flats @ Rs. 112.5 per Kg. 120 Kg. average	13,500
(d) Purchased components like bolts, nuts & rivets	2,000

Total	85,000

11. Other Expenses (Per month)

	Rs.
a. Electricity (kWh)	1,000
b. Rent	2,500
c. Consumables	2,000
d. Maintenance	500
e. Travelling & Cartage expenses	1,000
f. Publicity	500
g. Office expenses	1,000
h. Miscellaneous expenses	500

Total	9,000

12. Working capital Requirements for 3 months

(a) Raw materials	2,55,000
(b) Salaries & Wages	21,000
(c) Other expenses	27,000

Total	3,03,000

13. Total Capital Investment

a. Fixed investment	1,60,000
b. working capital for 3 months	3,03,000

Total	4,63,000

14. Cost of Production (Yearly)

(a) Raw materials	10,20,000
(b) Salaries & Wages	84,000
(c) Other expenses	1,08,000
(d) Depreciation on machinery @ 10%	15,000
(e) Interest on capital investment @ 15%	69,450

Total	12,96,450

19. Names & Address of Raw Materials Suppliers

1. Steel Authority of India Limited.
2. Mehta Manmal Chermalgi & Co., 87-88, Kika Road, Bombay-400 004
3. Modi Steels (P) Limited, Industrial Area, Patna – 800013.
4. Agrawal Traders & Engineers, 129-Abdul Rehman Street, Bombay-3.