

ADVANCED BUSINESS CONSULTANTS



P.O. BOX: 698, PC: 133, MUSCAT SULTANATE OF OMAN TEL: +968- 24792173 / 24792174 FAX: +968- 24792175

Submitted to



JINDAL SHADEED IRON & STEEL LLC SULTANATE OF OMAN

JANUARY 2016

PROJECT PROFILE
FOR
BARBED WIRE MANUFACTURING UNIT

CONTENTS

| 1. | INTRODUCTION | 1 |
|--------|--|---|
| 2. | MARKET ANALYSIS | 2 |
| 2.1. | PRODUCTS AND USES | 2 |
| 2.2. | DEMAND ESTIMATES FOR BARBED WIRE PRODUCTS | 2 |
| 2.2.1. | Demand Estimation | 2 |
| 2.2.2. | Trade Statistics of Barbed Wire - HS Code: 731300 | 2 |
| 2.2.3. | Summary of Net Import of Barbed Wire Products in the Sultanate | 3 |
| 2.2.4. | Market Overview | 3 |
| | | |
| 3. | TECHNICAL ANALYSIS | 5 |
| 3.1. | Land & Building | 5 |
| 3.2. | MANUFACTURING PROCESS | 5 |
| 3.3. | MACHINERY & PLANT CAPACITY | 5 |
| 3.4. | VEHICLES | 5 |
| 3.5. | RAW MATERIALS AND CONSUMABLES | 6 |
| 3.6. | UTILITIES | 6 |
| 3.6.1. | Water | 6 |
| 3.6.2. | Electricity | 6 |
| 3.7. | Manpower | 6 |
| | | |
| 4. | FINANCIAL ANALYSIS | 7 |
| 4.1. | PROJECT COST | 7 |
| 4.1.1. | Land & Building | 7 |
| 4.1.2. | Plant & Machinery | 7 |
| 4.1.3. | Vehicles & Internal Transport | 7 |
| 4.1.4. | Furniture & Office Equipments | 7 |
| 4.1.5. | Pre Operative Expenses | 8 |
| 4.1.6. | Contingency & Escalation | 8 |

| 4.1.7. | Working Capital | 8 |
|-----------|--|----|
| 4.2. | MEANS OF FINANCE | 9 |
| 4.3. | COST OF SALES | 9 |
| 4.3.1. | Raw Materials | 10 |
| 4.3.2. | Utilities | 10 |
| 4.3.3. | Salaries & Wages | 10 |
| 4.3.4. | Factory Overheads | 11 |
| 4.3.5. | Administrative Expenses | 11 |
| 4.3.6. | Depreciation | 11 |
| 4.3.7. | Loan & Interest Calculation | 11 |
| 4.4. | INCOME TAX | 11 |
| 4.5. | SALES REALIZATION | 12 |
| 4.6. | COST RATIOS | 12 |
| 4.7. | NET PROFIT AND PROFITABILITY ANALYSIS | 12 |
| 4.8. | KEY APPRAISAL CRITERIA | 13 |
| 4.9. | SENSITIVITY ANALYSIS | 13 |
| | | |
| 5. | WAY FORWARD FOR PROJECT IMPLEMENTATION | 15 |
| 5.1. | DUE DILIGENCE | 15 |
| 5.2. | KEY SUCCESS FACTORS | 15 |

1. INTRODUCTION

Sultanate of Oman has witnessed a steady growth in Industrial, Manufacturing and the Construction sector over the last few years. Government spending on investments were continuing for improving the overall infrastructure of the country. This has eventually led to the growth in industrial, commercial and residential projects in the Sultanate.

The demand for barbed wire market is linked with the growth of above referred sectors and has grown significantly over the last few years. However, the recent oil market slump will have an impact on the overall economy and in turn on developmental projects. This will further percolate down and will have its impact on the barbed wire market.

But by providing the product at "affordable rates" and at "desired quality, there exists a reasonable market (illustrated further in the following sections) for the proposed barbed wire project.

2. MARKET ANALYSIS

2.1. PRODUCTS AND USES

Barbed wires are the fencing material used to protect the boundaries using sharp edges or points arranged at regular intervals along the wire strands. The major advantage of Barbed wire as against other fencing is it is inexpensive when compared to other fencing methods. Barbed wire fencing requires only fence posts, wire, and fixing devices such as staples. It is simple to construct and quick to erect.

Barbed wires are used for fencing large industrial projects, sheds, warehouses, farms, residential buildings etc. The advantage of using barbed wires for fencing especially in remote places is that a person or an animal trying to pass through or over barbed wire will suffer discomfort and possibly injury. Thus it is one of the most protective and cheaper fencing modes available in the market.

2.2. DEMAND ESTIMATES FOR BARBED WIRE PRODUCTS

2.2.1. Demand Estimation

The demand estimates have been established based on the Net Imports of barbed wire into the Sultanate.

2.2.2. Trade Statistics of Barbed Wire - HS Code: 731300

The Import of barbed wires into Oman from different countries from year 2010 to 2014 is detailed in the table below:

| Exportore | Imported Quantity in Tons | | | | | | | |
|-----------------|---------------------------|-------|-------|-------|--------|--|--|--|
| Exporters | 2010 | 2011 | 2012 | 2013 | 2014 | | | |
| China | 70 | 3 | 2,216 | 2,844 | 39,562 | | | |
| UAE | 2,861 | 6,521 | 5,347 | 1,831 | 488 | | | |
| Turkey | 58 | 9 | 0 | 28 | 90 | | | |
| India | 27 | 38 | 101 | 165 | 59 | | | |
| Taipei, Chinese | 0 | 0 | 0 | 0 | 43 | | | |

| Evacutors | Imported Quantity in Tons | | | | | | | |
|--------------|---------------------------|-------|-------|-------|--------|--|--|--|
| Exporters | 2010 | 2011 | 2012 | 2013 | 2014 | | | |
| Bahrain | 0 | 0 | 0 | 0 | 7 | | | |
| South Africa | 0 | 0 | 0 | 0 | 4 | | | |
| Others | 14 | 81 | 54 | 74 | 0 | | | |
| TOTAL | 3,030 | 6,652 | 7,718 | 4,942 | 40,253 | | | |

The Export of barbed wires from Oman is very minimal and the details for the years 2010 to 2014 are in the table below:

| Importore | Exported Quantity in Tons | | | | | | | |
|-----------|---------------------------|------|------|------|------|--|--|--|
| Importers | 2010 | 2011 | 2012 | 2013 | 2014 | | | |
| Bahrain | 0 | 0 | 0 | 0 | 24 | | | |
| UAE | 24 | 426 | 2 | 2 | 17 | | | |
| Others | 12 | 173 | 13 | 3 | 0 | | | |
| TOTAL | 36 | 599 | 15 | 5 | 41 | | | |

2.2.3. Summary of Net Import of Barbed Wire Products in the Sultanate

The summary of net import of barbed wires into the sultanate is given in the table below:

| HSC: 7313 - Wire barbed, twisted for Fencing (In Tons) | | | | | | | | |
|--|-------|-------|-------|-------|--------|--|--|--|
| Details | 2010 | 2011 | 2012 | 2013 | 2014 | | | |
| Import | 3,030 | 6,652 | 7,718 | 4,942 | 40,253 | | | |
| Export | 36 | 599 | 15 | 5 | 41 | | | |
| Net Import 2,994 6,053 7,703 4,937 40,2 | | | | | | | | |

Source: UN Trade Data

2.2.4. Market Overview

Demand for barbed wire is driven by the growth in the construction of residential, commercial, hospitality, industrial and institutional building complexes and in other sectors where inexpensive fencing is required. However, with the recent slump in the Oil market, the growth in the above referred sectors is expected to decline over the next few years and is

expected to stabilise by year 2018. The same trend can be expected in the barbed wire market.

But for the proposed project with an installed capacity of 300 tons per annum, it can be seen from the tables above that this capacity is just 0.75% of the total barbed wires import into the sultanate. As the highlighted market share of the proposed project is very minimal, it can be easily achieved through effective sales and marketing.

3. TECHNICAL ANALYSIS

3.1. LAND & BUILDING

The proposed small scale barbed wire facility will be on an Industrial Shed with a total land area of 300 Sq. m. and with building and civil works mounting to 200 sq. m. Details are in Annexure 1.1. and Annexure 1.2.

3.2. MANUFACTURING PROCESS

The barbed wires are made using automatic barbed wire making machines. The barbed wire is made out of 12/14 SWG MS Galvanized wires. While two main line wires are fed into the machines through its axes, another wire is fed across into the pair of line wires to form barbs at required intervals.

The line wires twine themselves automatically around the point wire after forming the desired barbs strands. The feeding, wire cutting are completely automatic and are controlled by gear movements driven by electric motor of required capacity.

3.3. MACHINERY & PLANT CAPACITY

The annual production capacity is estimated at 300 tons per annum. The details of capacity and the capacity utilisation for various years are given in the table below:

| Details | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
|--|--------|--------|--------|--------|--------|
| Installed capacity (Tons) | 300 | 300 | 300 | 300 | 300 |
| Capacity utilisation | 80% | 90% | 90% | 90% | 90% |
| Actual Production considered for financial Projection (Tons) | 240 | 270 | 270 | 270 | 270 |

3.4. VEHICLES

The vehicles are required for movement of raw materials and internal material movement. Details of Vehicles are provided in Annexure 1.4.

RAW MATERIALS AND CONSUMABLES

Raw materials include Galvanized SWG 12 wires (2.6 mm thick) apart from other required consumables.

3.6. UTILITIES

3.6.1. Water

3.5.

Water is required for processing as well as general consumption. It is estimated that 150 cubic metre of water is required per annum.

3.6.2. Electricity

Electricity is used for machine operations and for general purpose lighting. The connected load is around 25 kVA.

3.7. MANPOWER

The total manpower required for the operation in the normal year is 5.

4. FINANCIAL ANALYSIS

4.1. PROJECT COST

The total cost of the project is estimated at RO 71,100. Details are given in Annexure – 1. The break-up is given below:

| Details | Amount (RO) |
|---------------------------------|-------------|
| Plant & Machinery | 26,000 |
| Vehicles and Internal Transport | 12,100 |
| Furniture & Office Equipment | 6,000 |
| Pre- Operative Expenses | 9,000 |
| Contingency & Escalation | 3,000 |
| Sub Total | 56,100 |
| Working Capital | 15,000 |
| TOTAL CAPITAL | 71,100 |

4.1.1. Land & Building

The total extent of land is 300 Sq. M which will be taken on lease. Details are provided in Annexure 1.1 and 1.2.

4.1.2. Plant & Machinery

The total cost of plant and machinery is estimated at RO 26,000. Details are given in Annexure- 1.3.

4.1.3. Vehicles & Internal Transport

The total cost of vehicles and internal transport is estimated at RO 12,100. Details are given in Annexure- 1.4.

4.1.4. Furniture & Office Equipments

The total cost of furniture and office equipment is estimated at RO 6,000. Details are given in Annexure- 1.5.

4.1.5. Pre Operative Expenses

The pre-operative expenses include expenses for feasibility study, interest during project implementation, salaries and wages of project staff, travel and communication, legal fees, audit fees and other miscellaneous expenses. The total pre-operative expenses are estimated at R.O 9,000. Details are given in Annexure- 1.6.

4.1.6. Contingency & Escalation

A provision of 5 % of the estimated cost of items including building, plant & machinery, vehicles etc., is provided in the Project cost towards price escalation and any unforeseen expenses. This works out to RO 3,000. Details are given in Annexure- 1.7

4.1.7. Working Capital

Following assumptions are made for computation of working capital.

| Details | Period |
|-------------------------|---------|
| Accounts Receivable | 1 Month |
| Raw Materials | 1 Month |
| Consumables & packing | 1 Month |
| Utilities | 1 Month |
| Factory Wages | 1 Month |
| Administration Expenses | 1 Month |
| Sales Expenses | 1 Month |
| Work in Progress | 2 Days |
| Finished Goods | 10 Days |
| Finance Cost | 1 Month |
| PAYABLES | |
| Raw Materials | 1 Month |

The working capital requirements for the first 4 years of operation are given below. The working capital requirement in the first year comes to RO 15,000. Details are given in Annexure 1.8.

| Particulars | Year 1 | 2 | 3 | 4 |
|---------------------------------------|--------|----|----|----|
| Working Capital Requirement (RO '000) | 15 | 16 | 16 | 17 |

4.2. MEANS OF FINANCE

It is proposed to finance the Project as indicated in the following table.

| Means of Finance | Amount (RO) |
|--------------------------------------|-------------|
| Equity Capital (20% of Project Cost) | 14,200 |
| Term Loan from Al Raffd Fund | 46,300 |
| Commercial Loan for Working Capital | 10,500 |
| TOTAL | 71,000 |

It is proposed that the total project cost of RO 71,000 will be financed by owner's fund [equity] to the tune of RO 14,200, term loan with an interest of 3% for RO 46,300 and commercial borrowings for working capital at RO 10,500. The working capital loan is expected to carry interest @ 6% per annum.

It is to be noted that as the project is proposed under SME (Small and Medium Business Enterprises) sector, the promoter can avail funding facility from various sources like Al Raff'd Fund, Sharakah Fund, Oman Development Bank or through other commercial banks offering support to SMEs by providing lesser interest rates. The term loans are available at minimal interest rates in the range of 1% to 3%. Conservatively, the project considers an interest rate of 3%. Similarly, the funding institution expects a promoter contribution of 5 – 10% only under various schemes. For financial projections, the calculations consider a promoter's contribution of 20% of the total project cost.

4.3. COST OF SALES

The cost of sale has been projected for the first ten years of operation (Annexure-2) and those of first five years are summarized as below:

(Figures are in RO '000)

| Details | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
|------------------------------|--------|--------|--------|--------|--------|
| Raw Materials | 53 | 59 | 59 | 59 | 59 |
| Utilities | 1 | 1 | 1 | 1 | 1 |
| Factory Wages | 16 | 16 | 16 | 17 | 17 |
| PRIME COST | 70 | 76 | 77 | 77 | 78 |
| Rent for land | 9 | 9 | 9 | 9 | 9 |
| Factory Overheads | 1 | 2 | 2 | 2 | 2 |
| Misc. Factory Exp. | 1 | 1 | 1 | 1 | 1 |
| FACTORY COST | 81 | 88 | 88 | 89 | 89 |
| Admin. Salaries | 18 | 19 | 19 | 20 | 20 |
| Admin. Expenses | 4 | 4 | 4 | 5 | 5 |
| TOTAL ADMIN EXPENSES | 22 | 23 | 24 | 24 | 25 |
| OPERATING COST | 103 | 110 | 112 | 113 | 114 |
| Finance cost | | | | | |
| Int on Institutional finance | 1 | 1 | 1 | 1 | 1 |
| Int on working capital | 1 | 1 | 1 | 1 | 1 |
| Total finance cost | 2 | 2 | 2 | 2 | 1 |
| Non cash expenses | | | | | |
| Depreciation | 7 | 7 | 7 | 7 | 7 |
| Prelim Expenses written off | 9 | 0 | 0 | 0 | 0 |
| Total Cost | 121 | 119 | 121 | 122 | 123 |

4.3.1. Raw Materials

The cost of raw materials & consumables works out to RO 65,936. Please refer Annexure 2.1 for details.

4.3.2. Utilities

The total cost of utilities for working in full capacity is RO 1,021. The basis of estimate is given in Annexure – 2.2.

4.3.3. Salaries & Wages

The cost of salaries and wages in the normal year of operation is RO 34,000. Details are given in Annexure 2.3.

4.3.4. Factory Overheads

The annual expenses include repairs and maintenance, civil repairs, cost of spares, spare parts, insurance and vehicle expense and the same is estimated at RO 1,475 for the first year, RO 1,547 for the second and RO 1,619 for the third year. Details are given in Annexure- 2.4.

4.3.5. Administrative Expenses

The basis of estimates of administrative expenses inclusive of salaries & wages is given in Annexure 2.5 and it works out to RO 22,000. Administrative expense includes salaries and benefits, rents and food, vehicle expenses, communication related expenses, stationery, etc.

4.3.6. Depreciation

Depreciation works out to RO 7,125. Depreciation calculation is given in annexure- 2.6. The following are the rates considered for the calculation of depreciation.

| Assets | Life (years) | % of depreciation |
|---------------------------------|--------------|-------------------|
| Buildings | 20 | 5 |
| Plant & Machinery | 10 | 10 |
| Technical Know-How | 10 | 10 |
| Vehicles and Internal Transport | 4 | 25 |
| Furniture & Office Equipment | 5 | 20 |

4.3.7. Loan & Interest Calculation

Interest rate for term loan and loan for working capital is taken at 3% and 6% respectively. Details of interest calculations are given in Annexure- 2.7.

4.4. INCOME TAX

No income tax is considered for the proposed project.

4.5. SALES REALIZATION

The annual sales realization at installed capacity is given as annexure 3.1. The annual sales realization is provided below:

| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
|-----------------|--------|--------|--------|--------|--------|
| Sales - RO '000 | 115 | 130 | 130 | 130 | 130 |

4.6. Cost Ratios

The major cost indicators as a percentage of sales realization are given in Annexure- 3.

| Details | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
|-----------------------------|--------|--------|--------|--------|--------|
| Raw Material / Total Sales | 45.8% | 45.8% | 45.8% | 45.8% | 45.8% |
| Utilities / Total Sales | 0.7% | 0.7% | 0.7% | 0.7% | 0.7% |
| Factory wages / Total Sales | 13.9% | 12.3% | 12.7% | 13.1% | 13.5% |
| Prime Cost / Total Sales | 60.4% | 58.8% | 59.2% | 59.6% | 60.0% |
| Factory exp. / Total Sales | 9.7% | 8.7% | 8.8% | 8.8% | 8.8% |
| Factory Cost / Total Sales | 70.1% | 67.6% | 68.0% | 68.4% | 68.8% |
| Admin. exp. / Total Sales | 19.1% | 17.5% | 18.1% | 18.8% | 19.4% |
| Selling exp. / Total Sales | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Finance Cost / Total Sales | 1.8% | 1.5% | 1.4% | 1.2% | 1.1% |
| Non-Cash exp. / Total Sales | 14.0% | 5.5% | 5.5% | 5.5% | 5.5% |
| Total Cost/Sales | 104% | 92.1% | 93.0% | 93.9% | 94.8% |

Being an engineering unit with skilled operators employed, the factory wages other than Raw Material costs would be a major cost element.

4.7. NET PROFIT AND PROFITABILITY ANALYSIS

As per the financial projection in Annexure – 3, the venture is financially viable. The summary of the analysis is given under:

(Figures are in RO '000)

| Details | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
|-------------------------|--------|--------|--------|--------|--------|
| Revenue | 115 | 130 | 130 | 130 | 130 |
| Operating Cost | 103 | 110 | 112 | 113 | 114 |
| PBDIT | 12 | 19 | 18 | 17 | 15 |
| Depreciation | 7 | 7 | 7 | 7 | 7 |
| Finance Cost | 2 | 2 | 2 | 2 | 1 |
| Prelim Exp. Written Off | 9 | | | | |
| Profit after tax | -6 | 10 | 9 | 8 | 7 |

4.8. KEY APPRAISAL CRITERIA

The viability of the project based on major appraisal criteria is given below.

| Detail | Value |
|--|------------------|
| Total Investment | RO 71,000 |
| Equity Investment | RO 14,200 |
| IRR on total investment | 11.6% |
| Payback period of Total Investment | 5 years 5 months |
| Break Even Point (as % of Capacity) | 71.1% |
| Cash Break Even Point (as % of Capacity) | 61.8% |

4.9. SENSITIVITY ANALYSIS

A sensitivity analysis has been carried out to determine the susceptibility of the project to changes in main variables. Effect on the IRR on equity investment, based on 10 years of operation due to change in various variables is as follows:

| Particulars | Original | RM Cost up by 10% | RM Cost down by 10% | Sales Value down by 10% |
|-------------------|----------|----------------------|------------------------|----------------------------|
| IRR on Investment | 11.6% | 3.2% | 4.6% | -6.4% |

5. WAY FORWARD FOR PROJECT IMPLEMENTATION

5.1. DUE DILIGENCE

- The cost estimates of Plant and Machinery is based on secondary research and actual cost during implementation stage could change based on various factors like currency exchange rates, machinery suppliers' raw material price increase etc.
- The investor for the project should receive actual quotations from potential machinery suppliers and validate the cost of plant and machinery before implementing the project.
- The study has covered the market aspects through extensive secondary market research and rapid primary research. It is recommended that the entrepreneur conducts his own market research to assess whether he would be able to succeed in capturing the market shares illustrated in the profile

5.2. KEY SUCCESS FACTORS

- Achieving projected sales volumes and ensuring capacity utilisation.
- Sustained Quality of products and services offered ensures market growth. The entrepreneurs should have a comprehensive quality system to cover the entire supply chain (RM sourcing to after sales service).
- The cost of raw material and its variance is another major factor that shall influence the project viability. The entrepreneurs should have an effective system of tracking / monitoring the raw material prices and implement a system of linking RM cost vis-à-vis end product pricing.
- Many SMEs fail due to the absence of accounting systems and practices. Regular accounting, assessing profitability and working capital management are critical for the success of any SME project.

| | ANNEXURE- 1 | | | | | | |
|-----------|---------------------------------------|-------|--------|--------|---------------------------|--|--|
| | BARBED WIRE MANUFACTURING UNIT | | | | | | |
| | ESTIMATED PROJECT COST | | | | | | |
| S. No. | Item | Refer | | Amount | Remarks | | |
| | | App. | | (R.O) | | | |
| A1 | PROJECT COST | | | | | | |
| 1 | Land Development for Plant Site | 1.1 | 0 | | Lease Rental | | |
| 2 | Building etc. | 1.2 | 0 | | Lease Rental | | |
| 3 | Plant & Machinery | 1.3 | 26,000 | | Estimates | | |
| 4 | Vehicles and Int. Transport | 1.4 | 12,100 | | Estimates | | |
| 5 | Furniture & Office Equip. | 1.5 | 6,000 | | Estimates | | |
| 6 | Pre- Operative Expenses | 1.6 | 9,000 | | Estimates | | |
| 7 | Contingency & Escalation | 1.7 | 3,000 | | Estimates | | |
| | Sub Total | | 56,100 | 56,100 | | | |
| A2 | WORKING CAPITAL | | 15,267 | 15,000 | | | |
| | | | | | | | |
| A3 | TOTAL | | | 71,100 | | | |
| | Say | | | 71,000 | | | |
| | | | | | | | |
| В | MODE OF FINANCE | | | | | | |
| 1 | Equity | | | 14,200 | 20% of Total Project Cost | | |
| 2 | Term Loan | | | 46,300 | | | |
| 3 | Sub Total | | | 60,500 | | | |
| 4 | Borrowings for Working Capital (@ 6%) | | | 10,500 | 70% WC Loan | | |
| | TOTAL CAPITAL | | | 71,000 | | | |

| | ANNEXURE- 1.1 BARBED WIRE MANUFACTURING UNIT ESTIMATED COST OF LAND & SITE DEVELOPMENT | | | | | | |
|-------|--|-------|------|--------|----------|--|--|
| S.No. | Item | Unit | Q'ty | Amount | Remarks | | |
| | | | | (R.O) | | | |
| A | LAND | | | | | | |
| 1 | Land for Plant | Sq. M | 300 | | On lease | | |
| | | | | | | | |
| | TOTAL | | | | | | |
| | | | | | | | |

| | ANNEXURE- 1,2 | | | | | | |
|-------|--------------------------------|----------|------------|---------------------------|--|--|--|
| | BARBED WIRE MANUFACTURING UNIT | | | | | | |
| | ESTIMATED COST OF BU | ILDING & | CIVIL WORI | KS | | | |
| S.No. | o. Item Area Amount Remarks | | | | | | |
| | | (Sq. M) | RO | | | | |
| Α | MAIN PLANT BUILDINGS | | | | | | |
| 1 | Production Line | 100 | | | | | |
| | Sub Total | 100 | - | | | | |
| В | OTHER BUILDINGS | | | Will be leased as | | | |
| 1 | Stores | 20 | - | Industrial Shed at a rate | | | |
| 2 | Mechanical Repair Workshop | 25 | - | of RO 2.500 per Sq. M. | | | |
| 3 | Office Building | 35 | - | per Month | | | |
| 5 | Rest Rooms | 20 | - | per within | | | |
| | Sub Total | 100 | - | | | | |
| | | | | | | | |
| | TOTAL | 200 | - | | | | |
| | | | | | | | |

| | ANNEXURE- 1.0 | 3 | | | |
|-------|--|----------|--------------|--------------|------------------|
| | BARBED WIRE MANUFACT | URING UN | NIT | | |
| | ESTIMATED COST OF PLANT | & MACHI | NERY | | |
| S.No. | Item | Q'ty | Rate | Amount | Remarks |
| | | (Nos.) | (RO) | (R.O) | |
| A | MAIN PLANT & MACHINERY | | | | |
| 1 | Automatic Barbed Wire Manufacturing Unit | 2 | 6,000 | 12,000 | |
| 2 | Bench Grinder | | | | |
| 3 | Tensile Strength Testing Machine | | = 000 | = 000 | |
| 4 | Other Required Testing Machines (Wrap Torsion Testing) | | 7,000 | 7,000 | |
| 5 | Weighing Machines | | | | |
| | Sub total | | | 19,000 | |
| В | MECHANICAL WORKSHOP / SERVICES - Local | | | | |
| 1 | Mechanical Workshop | | | 500 | Estimates |
| 2 | Electrical & Instrumentation - workshop | | | 500 | Estimates |
| 3 | Workshop Consumables | | | | Estimates |
| | Sub Total | | | 1,500 | Sum B1 to B3 |
| С | AT SITE COST | | | | |
| 1 | Total cost of Imported plant | | | 19,000 | |
| 2 | Spares - Import | | | | 5% of C1 |
| 3 | Packing, Insurance Forwarding & Freight - Import | | | | At 4% of C1 & C2 |
| 4 | Clearing & Transport to Site | | | | At 1% of C1 & C2 |
| 5 | CIF cost of Imported Machinery | | | | Sum of C1 to C4 |
| 6 | Total Cost of Local machinery | | | 1,500 | |
| 7 | Spares - Local | | | | Lumpsum |
| 8 | Total Cost of Local machinery | | | | Sum of D6 to D8 |
| 9 | At Site Cost | | | 22,948 | Sum of D5 & D9 |
| | | | | | |
| D | ERECTED COST | | | | |
| 1 | At Site Cost | | | 22,948 | |
| 2 | Cost of erection (Including Civil Works) | | | | At 5% of E1 |
| 3 | Technical Supervision | | | | Lumpsum |
| 4 | TOTAL COST | | | 26,148 | |
| | CD AND TOTAL | | | 26.000 | |
| | GRAND TOTAL | | | 26,000 | |

| | ANNEXURE- 1.4 | | | | | | | | |
|-------|--------------------------------|-----------|----------|---------|----------------|--|--|--|--|
| | BARBED WIRE MANUFACTURING UNIT | | | | | | | | |
| | ESTIMATED COST OF V | EHICLES & | INTERNAL | TRANSPO | RT | | | | |
| | | | | | | | | | |
| S.No. | Item | Q'ty | Rate | Amount | Remarks | | | | |
| | | (Nos.) | | (R.O) | | | | | |
| A | VEHICLES | | | | | | | | |
| 1 | Pick up Truck | 1 | 6,000 | 6,000 | For Office Use | | | | |
| | Sub Total | | | 6,000 | | | | | |
| В | TRANSP. EQUIPMENT/Vehicle | | | | | | | | |
| 1 | Fork lifts - 3 T | 1 | 5,000 | 5,000 | | | | | |
| | Sub Total | | | 5,000 | | | | | |
| | Registration & other Expenses | | | 1,100 | 10% of Above | | | | |
| | TOTAL | | | 12,100 | | | | | |

| | ANNEXURE- 1.5 | | | | | | | |
|-------|--------------------------------|--------|----------|-----------|---------|--|--|--|
| | BARBED WIRE MANUFACTURING UNIT | | | | | | | |
| | ESTIMATED COST OF FU | JRNITU | RE & OFF | ICE EQUIP | MENT | | | |
| | | | | | | | | |
| S.No. | Item | Q'ty | Rate | Amount | Remarks | | | |
| | | | | (R.O) | | | | |
| Α | Furniture & Fixtures | | | | | | | |
| 1 | Office Furniture | | | 1,500 | | | | |
| | Sub total | | | 1,500 | | | | |
| В | Office Equipment | | | | | | | |
| 1 | Computers & Printers | 2 | 400 | 800 | | | | |
| 2 | Photocopier | 1 | 1,000 | 1,000 | | | | |
| 3 | Fax, telephone etc | | | 500 | | | | |
| 4 | Other Office equipment | | | 500 | | | | |
| 5 | Air Conditioner | 3 | 250 | 750 | | | | |
| 6 | Miscellaneous items | | | 500 | | | | |
| | Sub total | | | 4,050 | | | | |
| | TOTAL | | | 5,550 | _ | | | |
| | | | | 6,000 | | | | |

| | | A | ANNEXURI | E- 1.6 | | | | | | | | |
|------|--|-----------|----------|------------------------------------|--|--|--|--|--|--|--|--|
| | BA | ARBED WIR | E MANUF | ACTURING UNIT | | | | | | | | |
| | ESTIMATED COST OF PRE-OPERATIVE EXPENSES | | | | | | | | | | | |
| S.No | Item | | Amount | Remarks | | | | | | | | |
| | | (R.O) | (R.O) | | | | | | | | | |
| 1 | Preliminary Expenses | | 500 | Up to formation of Co. | | | | | | | | |
| 2 | Feasibility Studies | | 1,000 | | | | | | | | | |
| 3 | Project Management Expenses | | - | | | | | | | | | |
| 4 | Company Employees | | | | | | | | | | | |
| a | Salary & benefits - Plant Manager | 1,050 | | 1 Month | | | | | | | | |
| b | Salary & benefits - Admin. Staff | 1,498 | | 1 Month | | | | | | | | |
| С | Visa, Passage etc. | 600 | | For Expatriates at R.O 200/ person | | | | | | | | |
| | Sub Total | | 3,148 | | | | | | | | | |
| 5 | Financing Cost | | | | | | | | | | | |
| a | Institutional Loan Interest | 695 | | At 3% for Term Loan for 6 months | | | | | | | | |
| b | Mortgage Expenses | 232 | | At 0.5% on Institu: Loan | | | | | | | | |
| С | Other Bank Charges | 1,000 | | Lumpsum | | | | | | | | |
| | Sub Total | | 1,926 | | | | | | | | | |
| 6 | Communication | | 600 | R.O 100/M for 6 Months | | | | | | | | |
| 7 | Travel | | 500 | Lumpsum | | | | | | | | |
| 8 | Recruitment Charges | | 300 | RO 100 per expat employee | | | | | | | | |
| 9 | Audit Fees, Legal Fees | | 500 | Lumpsum | | | | | | | | |
| 10 | Insurance | | 52 | At 0.2 % of Plant & Bldg. | | | | | | | | |
| 11 | Start Up Expenses | | 500 | Estimate | | | | | | | | |
| | Total | | 9,026 | | | | | | | | | |
| | Say | | 9,000 | | | | | | | | | |

| | ANNEXURE- 1.7 BARBED WIRE MANUFACTURING UNIT | | | | | | | | | | | |
|--------|--|-----------|---------|-------|-----|--|--|--|--|--|--|--|
| | ESTIMATES OF CONTINGENCY AND ESCALATION | | | | | | | | | | | |
| | Cost Rate Provision Remarks | | | | | | | | | | | |
| S. No. | Item | Provision | Remarks | | | | | | | | | |
| 3,1,0, | | (R.O) | (%) | (R.O) | | | | | | | | |
| A | FIXED ASSETS | | | | | | | | | | | |
| 1 | Land for Plant Site | 0 | 5.0 | - | | | | | | | | |
| 2 | Building etc. | 0 | 5.0 | - | | | | | | | | |
| 3 | Plant & Machinery | 26,000 | 5.0 | 1,300 | | | | | | | | |
| 4 | Vehicles and Int. Transport | 12,100 | 5.0 | 605 | | | | | | | | |
| 5 | Furniture & Office Equip. | 6,000 | 5.0 | 300 | | | | | | | | |
| 6 | Pre- Operative Expenses | 9,000 | 5.0 | 450 | | | | | | | | |
| | TOTAL | | | 2,655 | | | | | | | | |
| | | | | 3,000 | say | | | | | | | |

| | | | | | ANNEXUR | E- 1.8 | | | | | | | |
|-------|---|------|-----------|-----------|----------|---------|--------|---|--|--|--|--|--|
| | | | BA | ARBED WIF | RE MANUF | ACTURIN | G UNIT | | | | | | |
| | ESTIMATES OF WORKING CAPITAL REQUIREMENTS | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| S.No. | Item | Req. | | 1 | 2 | 3 | 4 | Remarks | | | | | |
| | | | | | | | | | | | | | |
| | | | | | In RC | 000' (| | | | | | | |
| 1 | Acct. Receivable | 30 | Days | 9 | 9 | 9 | 9 | Cost of sales - Non C Ex. | | | | | |
| 2 | Raw Materials | 30 | Days | 4 | 5 | 5 | 5 | | | | | | |
| 3 | Consumables &Packing | 1 | Month | 0 | 0 | 0 | 0 | | | | | | |
| 4 | Utilities | 1 | Month | 0 | 0 | 0 | 0 | | | | | | |
| 5 | Factory Wages | 1 | Month | 1 | 1 | 1 | 1 | | | | | | |
| 6 | Admin Expenses | 1 | Month | 2 | 2 | 2 | 2 | | | | | | |
| 7 | Sales Expenses | 1 | Month | 0 | 0 | 0 | 0 | | | | | | |
| 8 | Work in Progress | 2 | Days | 0 | 0 | 0 | 0 | At Factory Cost | | | | | |
| 9 | Finished Goods | 10 | Days | 3 | 3 | 3 | 3 | At total Cost-Non cash-Selling and Distribution | | | | | |
| 10 | Finance Cost | 1 | Month | 0 | 0 | 0 | 0 | At Finance Cost | | | | | |
| 11 | Total | | | 20 | 21 | 21 | 22 | | | | | | |
| 11 | Payables | | Months | | | | | | | | | | |
| | Raw Materials | 1 | Month | 4 | 5 | 5 | 5 | | | | | | |
| | Subtotal | - | 2.2011111 | 4 | 5 | 5 | 5 | | | | | | |
| | | | | 1 | | | | | | | | | |
| | Total Working capital | | | 15 | 16 | 16 | 17 | | | | | | |
| | | | | | | | | | | | | | |

| | | | | | | NNEXUR | | | | | | | |
|----|--|--------|--------|--------|--------|----------|--------|--------|--------|--------|---------|------------------------------|--|
| | BARBED WIRE MANUFACTURING UNIT COST OF SALE | | | | | | | | | | | | |
| | | | | | CC | OST OF S | ALE | | | | | , | |
| | | | | | | | | | | | | Amount In RO '000 | |
| | Year of Operation | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Year 8 | Year 9 | Year 10 | | |
| | Capacity Utilisation | 80% | 90% | 90% | 90% | 90% | 90% | 90% | 90% | 90% | 90% | | |
| | | | | | | | | | | | | | |
| 1 | Raw Materials | 53 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | Ref. Annexure 2.1 | |
| 2 | Utilities | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | _ | Ref. Annexure 2.2 | |
| 3 | Factory Wages | 16 | 16 | 16 | 17 | 17 | 18 | 19 | 19 | 20 | | Ref Annexure 2.3 | |
| 4 | PRIME COST | 70 | 76 | 77 | 77 | 78 | 78 | 79 | 79 | 80 | 81 | Sub total of 1 to 3 | |
| 5 | Rent for land | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | | At RO 2.5 per Sq m per Month | |
| 6 | Factory Overheads | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | Ref Annexure 2.4 | |
| 7 | Misc. Factory Exp. | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | At 1% of (4) & (6) | |
| 8 | FACTORY COST | 81 | 88 | 88 | 89 | 89 | 90 | 90 | 91 | 91 | 92 | Sub total of 4 to 7 | |
| 9 | Admin. Salaries | 18 | 19 | 19 | 20 | 20 | 21 | 21 | 22 | 23 | 23 | Ref Annexure 2.3 & 2.5 | |
| 10 | Admin. Expenses | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | Ref Annexure 2.5 | |
| 11 | TOTAL ADMIN EXPENSES | 22 | 23 | 24 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Sum (9) & (10) | |
| | | | | | | | | | | | | | |
| 12 | OPERATING COST | 103 | 110 | 112 | 113 | 114 | 116 | 117 | 119 | 120 | 122 | Sum 8 + 11 | |
| | Finance cost | | | | | | | | | | | | |
| 13 | Int on Institutional finance | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | Ref Annexure 2.8 | |
| 14 | Int on working capital | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Ref Annexure 2.8 | |
| 15 | Total finance cost | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | Sum 13 + 14 | |
| | Non cash expenses | | | | | | | | | | | | |
| 16 | Depreciation | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | Ref Annexure 2.7 | |
| 17 | Prelim Expenses written off | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ref Annexure 2.7 | |
| 10 | | 40- | 440 | 40- | 400 | 400 | 40: | 40- | 40- | 400 | 400 | 0 10 115 116 117 | |
| 18 | COST OF SALE | 121 | 119 | 121 | 122 | 123 | 124 | 125 | 127 | 128 | 129 | Sum 12 + 15 + 16+ 17 | |

| | | | ANNEXURE- 2 VIRE MANUFAC | TURING UNIT | | | | | | | | |
|-------|--------------------------------|------|-----------------------------|-------------|--------|---------|--|--|--|--|--|--|
| | ESTIMATED COST OF RAW MATERIAL | | | | | | | | | | | |
| S. No | Particulars | Unit | Quantity | Rate | Amount | Remarks | | | | | | |
| | | | | RO | RO | | | | | | | |
| A | RAW MATERIALS | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 1 | Steel Wires | Ton | 330 | 174 | 57,336 | | | | | | | |
| 3 | Other consumables* | | | | 8,600 | | | | | | | |
| | Sub Total | | | | 65,936 | | | | | | | |
| | Total | | | | 65,936 | | | | | | | |

| | ANNEXURE- 2.2 | | | | | | | | | | | | |
|-------|---|-------|-----|--------|-------|-----|--|--|--|--|--|--|--|
| | BARBED WIRE MANUFACTURING UNIT | | | | | | | | | | | | |
| | ESTIMATED COST OF UTILITIES | | | | | | | | | | | | |
| S.No. | S.No. Item Unit Qty Rate Amount Remarks | | | | | | | | | | | | |
| | (R.O) | | | | | | | | | | | | |
| A | Utilities | | | | | | | | | | | | |
| 1 | Electricity | | KWH | 57,600 | 0.016 | 922 | | | | | | | |
| 2 | Water | 99 | | | | | | | | | | | |
| | | 1,021 | | | | | | | | | | | |

| | ANNEXUL | | CINIT | | | | | | | | | |
|--------|---|--------------|-------|--------|-------|--------|---------|--|--|--|--|--|
| | BARBED WIRE MANUI | | | | | | | | | | | |
| | ESTIMATES OF ANNUAL SALARIES AND WAGES | | | | | | | | | | | |
| C 11 | . Item No of Salary A | | | | | | | | | | | |
| S. No. | Item | | | | , | Amount | Remarks | | | | | |
| | | Perso | nnel | (R. | • | (R.O) | | | | | | |
| Α | PRODUCTION | Omanis | Expat | Omanis | Expat | | | | | | | |
| | | | | | | 0.000 | | | | | | |
| 1 | Plant Manager including Sales and Production Capabilities | 0 | 1 | 0 | 750 | 9,000 | | | | | | |
| 2 | Unskilled Labor | 0 | 1 | 350 | 180 | 2,160 | | | | | | |
| | Sub Total | 0 | 2 | | | 11,160 | | | | | | |
| | Other Benefits @40% over and above Basic Salary | | | | | 4,464 | | | | | | |
| | Total Cost | | | | | 15,624 | | | | | | |
| | Total Manpower Cost for Production | | | | | 16,000 | | | | | | |
| В | ADMINISTRATION & ACCOUNTS | | | | | | | | | | | |
| 1 | P.R.O. | 1 | 0 | 600 | 0 | 7,200 | | | | | | |
| 2 | Office Boy/ Messenger | 0 | 1 | 0 | 120 | 1,440 | | | | | | |
| 3 | Drivers | 1 | 0 | 350 | 0 | 4,200 | | | | | | |
| | Sub Total | 2 | 1 | | | 12,840 | | | | | | |
| | Other Benefits @40% over and above Basic Salary | | | | | 5,136 | | | | | | |
| | Total Manpower Cost for Admin & Accounts | | | | | 17,976 | | | | | | |
| C | GRAND TOTAL | 2 | 3 | | | 33,976 | | | | | | |
| | Omanisation Ratio | 40% | 3 | | | 33,370 | | | | | | |
| | Omanisation Natio | 40 /0 | | | | | | | | | | |

| | ANNEXURE- 2.4 | | | | | | | | | | | | |
|-------|--------------------------------------|-------|-------|-------|--|--|--|--|--|--|--|--|--|
| | BARBED WIRE MANUFACTURING UNIT | | | | | | | | | | | | |
| | ESTIMATES OF ANNUAL FACTORY EXPENSES | | | | | | | | | | | | |
| S.No. | S.No. Item Year Year Remarks | | | | | | | | | | | | |
| | | 1 | 3 | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 1 | Repairs & Maintenance | 130 | 195 | 260 | At 0.5, 1.5% & 2% of erected cost of P & M | | | | | | | | |
| 2 | Civil Repairs | - | - | - | At 0.25 % of cost of Building and Civil Works | | | | | | | | |
| 3 | Spare Parts | 15 | 22 | 29 | At 1%, 1.5% and 2% of 'at-site' cost of P & M | | | | | | | | |
| 4 | Insurance | 130 | 130 | 130 | At 0.5 % of cost Building, Plant and Machinery | | | | | | | | |
| 5 | Forklift | 1,200 | 1,200 | 1,200 | RO 100/month | | | | | | | | |
| | TOTAL | 1,475 | 1,547 | 1,619 | | | | | | | | | |

| | ANNEXURE- 2. | 5 | | | | | | | | | | | |
|-------|--|-----|--------|------------------|--|--|--|--|--|--|--|--|--|
| | BARBED WIRE MANUFACTURING UNIT | | | | | | | | | | | | |
| | ESTIMATES OF ANNUAL ADMINISTRATIVE EXPENSES | | | | | | | | | | | | |
| S.No. | S.No. Item Amount Remarks | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 1 | Salaries & Benefits | | 17,976 | | | | | | | | | | |
| 2 | Telephone, Fax, internet etc. | | 600 | At RO 50 / Month | | | | | | | | | |
| 3 | Electricity & Water | | 240 | At RO 20 / Month | | | | | | | | | |
| 4 | Vehicle Expenses & Petrol | | | | | | | | | | | | |
| a | Pickup Truck | 600 | | RO 50 per month | | | | | | | | | |
| | Sub Total | | 600 | | | | | | | | | | |
| 5 | Stationery, Postage etc. | | 240 | At R.O 20/Month | | | | | | | | | |
| 6 | Trade license/government fee | | 500 | Lumpsum | | | | | | | | | |
| 7 | Travel & Recruitment | | 500 | Lumpsum | | | | | | | | | |
| 8 | Legal, Audit Fees | | 500 | Lumpsum | | | | | | | | | |
| 9 | Insurance on fixed assets and employee medical | | 500 | | | | | | | | | | |
| 10 | Miscellaneous | | 184 | At 5 % of above | | | | | | | | | |
| | Total | | 22,000 | | | | | | | | | | |

| | | ANNEXURE- | 2.6 | | | | | | | | | | |
|-------|--|-----------------|------|--------|--------|-------------|--|--|--|--|--|--|--|
| | BARBED WIRE MANUFACTURING UNIT | | | | | | | | | | | | |
| | DEPRECIATION CALCULATIONS Rate S.V. Amount Renewals | | | | | | | | | | | | |
| S. No | No Item Cost Rate S.V. Amoun | | | | | | | | | | | | |
| 3.110 | Item | Cost | (%) | (R.O) | (R.O) | | | | | | | | |
| Α | FIXED ASSETS | | | | | | | | | | | | |
| 1 | Land for Plant Site | - | 0 | 0 | - | Nil | | | | | | | |
| 2 | Building etc. | - | 5 | 0 | - | Nil | | | | | | | |
| 3 | Plant & Machinery | 26,000 | 10 | 0 | 2,600 | Year 11 | | | | | | | |
| 4 | Vehicles and Int. Transp. | 12,100 | 25 | 6050 | 3,025 | Years 5, 9 | | | | | | | |
| 5 | Furniture & Office Equip. | 6,000 | 20 | 0 | 1,200 | Years 6, 11 | | | | | | | |
| 6 | Contingency & Escalation | 3,000 | 10 | 0 | 300 | Nil | | | | | | | |
| 7 | Sub Total | 47,100 | | 6050 | 7,125 | | | | | | | | |
| В | PRELIM &PRE OPE: EXP | 9000 | 100 | 0 | 9,000 | Nil | | | | | | | |
| С | WORKING CAPITAL | | | | | | | | | | | | |
| 1 | Working Capital | 16622 | 0 | 16622 | - | | | | | | | | |
| D | TOTAL | | | 22,672 | 16,125 | | | | | | | | |
| | Less Balance Loan | | | 11,145 | | | | | | | | | |
| Е | SALVAGE VALUE | | | 11,528 | | | | | | | | | |
| | Note: S.V. = Salvage Value at th | e end of 10th y | ear. | | | | | | | | | | |

| | | | | | NEXURE- 2. | - | | | | | | | |
|----|---|-----|-----------|-----|------------|-----|-----|-----|-----|--|--|--|--|
| | BARBED WIRE MANUFACTURING UNIT LOAN & INTEREST CALCULATIONS | | | | | | | | | | | | |
| | Term Loan WC Loan Interest | | | | | | | | | | | | |
| No | Year | Prn | | Don | | Int | TL | WC | Don | | | | |
| NO | 7 | rm | | | | | | | Rep | | | | |
| 1 | / | 46 | 3% 0.7 | | 11 | 0.3 | | | | | | | |
| 2 | 1 | 46 | 0.7 | | 11 | 0.3 | 1.4 | 0.6 | 0 | | | | |
| | 1 | | | 0 | | | 1.4 | 0.0 | U | | | | |
| 3 | | 46 | 0.7 | 3 | 11 | 0.3 | | 0.6 | | | | | |
| 4 | 2 | 43 | 0.6 | 3 | 11 | 0.3 | 1.3 | 0.6 | 7 | | | | |
| 5 | | 40 | 0.6 | 3 | 11 | 0.3 | | | | | | | |
| 6 | 3 | 36 | 0.5 | 3 | 11 | 0.3 | 1.1 | 0.7 | 7 | | | | |
| 7 | | 33 | 0.5 | 3 | 11 | 0.3 | | | | | | | |
| 8 | 4 | 30 | 0.4 | 3 | 11 | 0.3 | 0.9 | 0.7 | 7 | | | | |
| 9 | | 26 | 0.4 | 3 | 11 | 0.3 | | | | | | | |
| 10 | 5 | 23 | 0.3 | 3 | 11 | 0.3 | 0.7 | 0.7 | 7 | | | | |
| 11 | | 20 | 0.3 | 3 | 11 | 0.3 | | | | | | | |
| 12 | 6 | 17 | 0.2 | 3 | 11 | 0.3 | 0.5 | 0.7 | 7 | | | | |
| 13 | | 13 | 0.2 | 3 | 11 | 0.3 | | | | | | | |
| 14 | 7 | 10 | 0.1 | 3 | 11 | 0.3 | 0.3 | 0.7 | 7 | | | | |
| 15 | | 7 | 0.1 | 3 | 11 | 0.3 | | | | | | | |
| 16 | 8 | 3 | 0.0 | 3 | 11 | 0.3 | 0.1 | 0.7 | 7 | | | | |
| 17 | | 0 | 0.0 | | 11 | 0.3 | | | | | | | |
| 18 | 9 | 0 | 0.0 | | 11 | 0.3 | 0.0 | 0.7 | 0 | | | | |
| 19 | | 0 | 0.0 | | 11 | 0.3 | 310 | 3 | | | | | |
| 20 | 10 | 0 | 0.0 | | 11 | 0.3 | 0.0 | 0.7 | 0 | | | | |

| | | | | | | ANNE | XURE- 3 | | | | | | |
|----|--|---|-----|-----|-----|------|------------|-----|-----|-----|-----|------|------------------------|
| | BARBED WIRE MANUFACTURING UNIT | | | | | | | | | | | | |
| | ESTIMATED WORKING RESULTS | | | | | | | | | | | | |
| | Year of Operation >>> Year 1 Year 2 Year 3 Year 4 Year 5 Year 6 Year 7 Year 8 Year 9 Year 10 | | | | | | | | | | | | |
| | Installed Capacity (MT) | | | | | | | | | | | | |
| | Capacity Utilisation | | 80% | 90% | 90% | 90% | 90% | 90% | 90% | 90% | 90% | 90% | |
| | Production (MT) | | - | - | - | - | - | - | - | - | - | - | |
| No | Item | l | | · | | | In R.O'000 | | | l | | | Remarks |
| 1 | Operating Cost | | 103 | 110 | 112 | 113 | 114 | 116 | 117 | 119 | 120 | 122 | Ref Annexure 2 |
| 2 | Expected Sales | | | | | | | | | | | | |
| a | Domestic sale | | 115 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | Refer 3.1 |
| b | Export sale | | - | - | - | 1 | - | - | - | - | - | - | Refer 3.1 |
| | Total Sales | | 115 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | (2a+2b) |
| 3 | Profit before Int & dep | | 12 | 19 | 18 | 17 | 15 | 14 | 13 | 11 | 10 | 8 | Item (2-1) |
| 4 | Depreciation | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | Ref Annexure 2.7 |
| 5 | Finance Cost | | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | Ref Annexure 2.8 |
| 6 | Operating profit | | 3 | 10 | 9 | 8 | 7 | 6 | 4 | 3 | 2 | 0.14 | Sum of (3 - 4 - 5) |
| 7 | Other income if any | | | | | | | | 0 | | | | |
| 8 | Prelim Expenses written off | | 9 | - | - | - | - | - | - | - | - | - | Ref Annexure 2.7 |
| 9 | Profit/Loss before tax | | -6 | 10 | 9 | 8 | 7 | 6 | 4 | 3 | 2 | 0 | Sum of (6 - 7 - 8) |
| 10 | Income Tax | | | | | | | | | | | | NA |
| 11 | Profit after tax | | -6 | 10 | 9 | 8 | 7 | 6 | 4 | 3 | 2 | 0 | |
| 12 | Statutory reserve | | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | |
| | Profit for appropriation | | -6 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 0 | |
| 14 | Dividend | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.00 |
| 15 | General reserve | | -6 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | | Difference (13) - (14) |
| 16 | Net cash accruals | | 10 | 17 | 16 | 15 | 14 | 13 | 11 | 10 | 9 | 7 | |
| | | | | | | | | | | | | | |

| | | | ANNE | XURE- 3.1 | | | | | | | | | | |
|--------------------------------|--------|-------------|----------|-----------|-----------|--------|--------|--------|--------|---------|--|--|--|--|
| | | BARBED | WIRE MAI | NUFACTUI | RING UNIT | | | | | | | | | |
| ESTIMATES OF SALES REALIZATION | | | | | | | | | | | | | | |
| Details | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Year 8 | Year 9 | Year 10 | | | | |
| Installed capacity | 300 | tons per ar | ınum | | | | | | | | | | | |
| Capacity Utilisation (%) | 80% | 90% | 90% | 90% | 90% | 90% | 90% | 90% | 90% | 90% | | | | |
| Production (Tons) | 240 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | | | | |
| | | | | | RO/ | Ton | | | | | | | | |
| Sales Realization / ton | 480 | 480 | 480 | 480 | 480 | 480 | 480 | 480 | 480 | 480 | | | | |
| | | RO' 000 | | | | | | | | | | | | |
| Total Sales Revenue | 115 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | | | | |
| | | | | | | | | | | | | | | |

| ANNEXURE- 4 | | | | | | | | | | | | |
|------------------------------------|-----|--------|--------|---------|----------|-----------|---------|--------|--------|--------|---------|----------------------|
| | | | BAR | BED WIR | E MANUF | ACTURIN | IG UNIT | | | | | |
| | | | PRO | DJECTED | CASH FLO | OW STAT | EMENT | | | | | |
| Year of Operation | 0 | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Year 8 | Year 9 | Year 10 | |
| No Item | · | | • | | Iı | n R.O'000 | | | • | | | Remarks |
| A CASH INFLOW | | | | | | | | | | | | |
| 1 Equity | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ref Annexure 1 |
| 2 Profit before Tax & Interest | | -4 | 12 | 11 | 10 | 8 | 7 | 5 | 4 | 2 | 1 | Ref Annexure 3 |
| 3 Depreciation | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | Ref Annexure 2.7 |
| 4 Preliminary expenses written off | | 9 | - | - | - | - | - | - | - | - | - | Ref Annexure 2.7 |
| 5 Increase in Other term loan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | Ref Annexure 1 |
| 6 Increase in Institutional Loan | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | Ref Annexure 1 |
| 7 Increase in W C loan | 11 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ref Annexure 1 |
| 8 Other income | 0 | | | | | | | | | | | Ref Annexure 3 |
| 9 Sub Total | 71 | 12 | 20 | 18 | 17 | 15 | 14 | 13 | 11 | 10 | 8 | Sum of A1 to A8 |
| | | | | | | | | | | | | |
| B CASH OUTFLOW | | | | | | | | | | | | |
| 1 Capital Project expenditure | 47 | 0 | 0 | 0 | 0 | 12 | 6 | 0 | 0 | 12 | 0 | Ref Annexure 1& 2.7 |
| 2 Other normal cap exp | 9 | 0 | 0 | 0 | 0 | 0 | | | | | | Ref Annexure 1& 2.7 |
| 3 Increase in Working Cap: | 15 | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | Ref Annexure 1.7 |
| 4 Decrease in Institutional Loan | 0 | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | 0 | Ref Annexure 2.8 |
| 5 Decrease in Other term loan | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ~ | |
| 6 Interest on term loans | | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | Ref Annexure 2.8 |
| 7 Interest on work cap loan | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | Ref Annexure 2.8 |
| 8 Income Tax | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | Ref Annexure 3.2 |
| 9 Dividend | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | Provision |
| 10 Sub Total | 71 | 2 | 10 | 9 | 8 | 20 | 14 | 8 | 7 | 13 | | Sum of B1 to B9 |
| OPENING BALANCE | - | (0) | 10 | 21 | 30 | 38 | 33 | 34 | 38 | 42 | 39 | |
| C SURPLUS | (0) | 10 | 10 | 9 | 8 | (5) | 0 | 5 | 4 | (3) | 7 | Difference(A9)-(B10) |
| D CLOSING BALANCE | (0) | 10 | 21 | 30 | 38 | 33 | 34 | 38 | 42 | 39 | 46 | |

| | ANNEXURE- 5 | | | | | | | | | | | | |
|----|--------------------------------|----------|----------|---------|---------|---------|------------|---------|---------|--------|--------|---------|----------------------|
| | BARBED WIRE MANUFACTURING UNIT | | | | | | | | | | | | |
| | | | | INTERN | AL RATE | OF RETU | RN ON TO | TAL CAP | ITAL | | | | |
| No | Year of Operation | 0 | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Year 8 | Year 9 | Year 10 | |
| NO | Item | <u>.</u> | • | | , |] | In R.O'000 | | Remarks | | | | |
| | | | | | | | | | | | | | |
| Α | CASH INFLOW | | | | | | | | | | | | |
| 1 | Net Profit bef. Tax | | -6 | 10 | 9 | 8 | 7 | 6 | 4 | 3 | 2 | 0 | Refer Annexure - 3 |
| 2 | Depreciation | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | Ref Annexure 2.7 |
| 3 | Prelim Exp written off | | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ref Annexure 2.7 |
| 4 | Finance Cost | 0 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | Ref Annexure 2.8 |
| 5 | Salvage Value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | Ref Annexure 2.7 |
| 6 | Sub Total | 0 | 12 | 19 | 18 | 17 | 15 | 14 | 13 | 11 | 10 | 19 | Sum of A1 to A5 |
| | | | | | | | | | | | | | |
| В | CASH OUTFLOW | | | | | | | | | | | | |
| 1 | Capital Project expenditure | 47 | 0 | 0 | 0 | 0 | 12 | 6 | 0 | 0 | 12 | 0 | Refer Annexure - 1 |
| 2 | Other normal cap exp | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Refer Annexure - 1 |
| 3 | Working Capital | 15 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Refer Annexure - 1 |
| 4 | Income Tax | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Refer Annexure - 3.2 |
| 5 | Sub Total | 71 | 0 | 1 | 0 | 0 | 12 | 6 | 0 | 0 | 12 | 0 | Sum of B1 to B4 |
| | | | | | | | | | | | | | |
| C | NET CASHFLOW (AT) | (71) | 12 | 18 | 18 | 16 | 3 | 8 | 13 | 11 | (3) | 19 | |
| | | | | | | | | | | | | | |
| D | NET CASH FLOW(PT) | (71) | 12 | 18 | 18 | 16 | 3 | 8 | 13 | 11 | (3) | 19 | |
| | | | | | | | | | | | , , | | |
| E | INTERNAL RATE OF RETU | RN ON TO | OTAL INV | ESTMENT | | | | 11.6% | | | | | |

| | ANNEXURE- 6 | | | | | | | | | | | | |
|----|------------------------|----|----|----|--------|----------|----------|---------|---------|----|----|----|----------------------|
| | | | | | BARBED | WIRE MA | NUFACT | URING U | NIT | | | | |
| | | | | | PRC | JECTED I | BALANCE | SHEET | | | | | |
| No | Year of Operation | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
| NU | Item | | • | | | | In R.O'0 | | Remarks | | | | |
| A | ASSETS EMPLOYED | | | | | | | | | | | | |
| 1 | Fixed Assets | | | | | | | | | | | | |
| a | Gross Fixed Assets | 47 | 47 | 47 | 47 | 47 | 59 | 65 | 65 | 65 | 77 | 77 | Refer Annexure - 2.7 |
| b | Preliminary expenses | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Refer Annexure- 2.7 |
| С | Acc. Depreciation | 0 | 7 | 14 | 21 | 29 | 36 | 43 | 50 | 57 | 64 | 71 | Refer Annexure - 2.7 |
| d | Net Fixed Assets | 56 | 40 | 33 | 26 | 19 | 24 | 22 | 15 | 8 | 13 | 6 | |
| 2 | Current Assets | | | | | | | | | | | | |
| a | Cash | 0 | 10 | 21 | 30 | 38 | 33 | 34 | 38 | 42 | 39 | 46 | Refer Annexure - 4 |
| b | Other Cur. Assets | 15 | 15 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | Refer Annexure - 1.7 |
| С | Total Cur. Assets | 15 | 25 | 37 | 46 | 55 | 50 | 50 | 55 | 58 | 55 | 62 | |
| 3 | Less: Cur. Liabilities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Total | 71 | 65 | 70 | 72 | 73 | 73 | 72 | 70 | 67 | 68 | 68 | |
| В | FINANCED BY | | | | | | | | | | | | |
| 1 | Equity | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | Refer Annexure - 1 |
| 2 | Statutory reserve | | 0 | 1 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | |
| 3 | General reserves | 0 | -6 | 3 | 12 | 19 | 25 | 30 | 34 | 37 | 38 | | Cu.NP-Cu.Divident |
| 4 | Institutional Finance | 46 | 46 | 40 | 33 | 26 | 20 | 13 | 7 | 0 | 0 | | Refer Annexure - 2.8 |
| 5 | Bank Borrowings | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | | Refer Annexure - 2.8 |
| | Total | 71 | 65 | 70 | 72 | 73 | 73 | 72 | 70 | 67 | 68 | 68 | |

| | | | | ANNEXU | RE - 7 | | | | | | | | | |
|-------|-----------------------------------|--------|---------|---------|---------|---------|-------|-------|-------|-------|-------|--|--|--|
| | | BA | RBED WI | RE MANU | FACTURI | NG UNIT | | | | | | | | |
| | RATIO ANALYSIS | | | | | | | | | | | | | |
| S. No | Years of Operation | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | |
| A | COST RATIOS | | | | | | | | | | | | | |
| 1 | Raw Material / Total Sales | 45.8% | 45.8% | 45.8% | 45.8% | 45.8% | 45.8% | 45.8% | 45.8% | 45.8% | 45.8% | | | |
| 2 | Utilities / Total Sales | 0.7% | 0.7% | 0.7% | 0.7% | 0.7% | 0.7% | 0.7% | 0.7% | 0.7% | 0.7% | | | |
| 3 | Factory wages / Total Sales | 13.9% | 12.3% | 12.7% | 13.1% | 13.5% | 13.9% | 14.3% | 14.7% | 15.2% | 15.6% | | | |
| 4 | Prime Cost / Total Sales | 60.4% | 58.8% | 59.2% | 59.6% | 60.0% | 60.4% | 60.8% | 61.2% | 61.7% | 62.1% | | | |
| 5 | Factory exp. / Total Sales | 9.7% | 8.7% | 8.8% | 8.8% | 8.8% | 8.8% | 8.8% | 8.8% | 8.8% | 8.8% | | | |
| 6 | Factory Cost / Total Sales | 70.1% | 67.6% | 68.0% | 68.4% | 68.8% | 69.2% | 69.6% | 70.1% | 70.5% | 71.0% | | | |
| 7 | Administrative exp. / Total Sales | 19.1% | 17.5% | 18.1% | 18.8% | 19.4% | 20.0% | 20.7% | 21.4% | 22.2% | 22.9% | | | |
| 8 | Selling exp. / Total Sales | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | | | |
| 9 | Finance Cost / Total Sales | 1.8% | 1.5% | 1.4% | 1.2% | 1.1% | 0.9% | 0.8% | 0.6% | 0.5% | 0.5% | | | |
| 10 | Non-Cash exp. / Total Sales | 14.0% | 5.5% | 5.5% | 5.5% | 5.5% | 5.5% | 5.5% | 5.5% | 5.5% | 5.5% | | | |
| 11 | Total Cost/Sales | 104.9% | 92.1% | 93.0% | 93.9% | 94.8% | 95.7% | 96.6% | 97.6% | 98.7% | 99.9% | | | |
| В | PROFITABILITY RATIOS | | | | | | | | | | | | | |
| 1 | PBDIT / Sales | 10.8% | 14.9% | 13.8% | 12.9% | 11.8% | 10.8% | 9.7% | 8.5% | 7.3% | 6.1% | | | |
| 2 | Operating profit / Sales | 2.9% | 7.9% | 7.0% | 6.1% | 5.2% | 4.3% | 3.4% | 2.4% | 1.3% | 0.1% | | | |
| | PAT / Sales | -4.9% | 7.9% | 7.0% | 6.1% | 5.2% | 4.3% | 3.4% | 2.4% | 1.3% | 0.1% | | | |

| | | IEXURE- 8 | | |
|-------|------------------------------|-------------|--------|--------------------|
| | BARBED WIRE MA | | | |
| | BREAK EV | VEN ANALYSI | IS . | |
| S. No | Item | Year 1 | Year 6 | Remarks |
| | | In R.C | 000' 0 | |
| Α | FIXED COST | | | |
| 1 | Production Wages | 16 | 18 | Refer Annexure - 2 |
| 2 | Factory Overheads | 1 | 2 | Refer Annexure - 2 |
| 3 | Misc. Factory Exp. | 1 | 1 | Refer Annexure - 2 |
| 4 | Admin. Expenses | 22 | 26 | Refer Annexure - 2 |
| 5 | Sales Expenses | 0 | 0 | Refer Annexure - 2 |
| 6 | Depreciation | 9 | 7 | Refer Annexure - 2 |
| 7 | Prelim. Expenses written off | 9 | 0 | Refer Annexure - 2 |
| 8 | Financing Cost | 2 | 1 | Refer Annexure - 2 |
| 9 | Income Tax | 0 | 0 | Refer Annexure - 2 |
| | Sub Total | 60 | 55 | |
| | | | | |
| В | VARIABLE COST | | | |
| 1 | Raw materials | 53 | 59 | Refer Annexure - 2 |
| 2 | Utilities | 1 | 1 | Refer Annexure - 2 |
| 3 | Misc. Expenses | 0 | 0 | |
| | Sub Total | 54 | 60 | |
| | | | | |
| С | SALES | 115 | 130 | Refer Annexure - 3 |
| D | CONTRIBUTION | 62 | 69 | Difference C - B |
| Е | BREAK EVEN POINT | 98% | 78.9 | As % of Production |
| | | | 71.1% | As % of Capacity |
| F | CASH BEP | 68.5 | | As % of Production |
| | | | 61.8% | As % of Capacity |

| | | | ANNEXUR | E- 9 | | | | |
|--------|-------------------|------------|------------------------|------------------------|-----------------------------------|-----------|--|--|
| | | BARBEI | O WIRE MANUFA | CTURING UNIT | | | | |
| | | SENSITIV | ITY ANALYSIS (| IRR FOR 10 YEARS | 5) | | | |
| S. No. | Item | Projection | | Change in One | | All Three | | |
| 5.140. | Item | No Change | | Variable at a Tim | e | Combined | | |
| A | VARIABLE | Original | Reduction in Volume | Increase in RM Cost | Reduction in Sales Realization | Combined | | |
| | | | In Tons | Cost | Value | All three | | |
| В | PESSIMISTIC | | | | | | | |
| | Change | | 5% | 5% | 5% | All three | | |
| С | OPTIMISTIC | | | | | | | |
| | Change | | 5% | 5% | 5% | All three | | |
| D | IRR - PESSIMISTIC | PROJECTION | | | | | | |
| 1 | IRR on Investment | 11.6 | 3.2 | 4.6 | -6.4 | 3.2 | | |
| E | IRR - OPTIMISTIC | PROJECTION | | | | | | |
| 1 | IRR on Investment | 11.6 | 18.7 | 17.7 | 24.2 | 29.1 | | |
| | | | | | | | | |

| | ANNEXURE- 10 | | | | | | | | | | | | | | |
|----|------------------------------|------|------------|----------|---------|---------|--------|------|------|------|-------|-------|--|--|--|
| | | | BAI | RBED WIR | E MANUF | ACTURIN | G UNIT | | | | | | | | |
| | DEBT SERVICE COVERAGE RATIO | | | | | | | | | | | | | | |
| No | Years of Operation | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | |
| NU | Item | | In R.O'000 | | | | | | | | | | | | |
| 1 | Profit after tax | | -6 | 10 | 9 | 8 | 7 | 6 | 4 | 3 | 2 | 0 | | | |
| 2 | Depreciation | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| 3 | Preliminary exp. Written off | | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 4 | Interest | | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 5 | Total | | 12 | 19 | 18 | 17 | 15 | 14 | 13 | 11 | 10 | 8 | | | |
| | | | | | | | | | | | | | | | |
| 1 | Annual repayment | | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | 0 | | | |
| 2 | Interest | | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 3 | Total | | 2 | 9 | 8 | 8 | 8 | 8 | 8 | 7 | 1 | 1 | | | |
| | D.S.C.R | | 6.17 | 2.25 | 2.13 | 2.02 | 1.91 | 1.78 | 1.64 | 1.48 | 14.22 | 11.86 | | | |
| | WT. AVERAGE D.S.C.R | 2.22 | | | | | | | | | | | | | |