

PROJECT PROFILE
ON
STRETCHER TROLLEY AND STEEL FURNITURE (TABLE & CHAIR)

NAME OF THE PRODUCT

**STRETCHER TROLLEY AND STEEL
FURNITURE(TABLE & CHAIR)**

PRODUCTION CAPACITY

**The production capacity of the unit
at 70% capacity utilisation.**

MONTH & YEAR OF PREPARATION

JUNE, 2020

PREPARED BY

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STRETCHER TROLLEY AND STEEL FURNITURE(TABLE & CHAIR)

PRODUCT & ITS USE

Stretcher: A stretcher is an apparatus used for moving patients who require medical care. A basic type (cot or litter) must be carried by two or more people. A wheeled stretcher (known as a gurney, trolley, bed or cart) is often equipped with variable height frames, wheels, tracks, or skids. Stretchers are mobility devices used to transport the patients from one place to other, The movement of a patient and physically disabled person from one place to another during his/her unhealthy conditions becomes a tedious task. It is required to move the patient within the hospital campus for the basic necessities, physicians health check-up, medical tests etc. It causes inconvenience to both the patient and helping staff. For that purpose, stretcher is provided to the patients for the easy handling of above discussed tasks. One helping staff is needed always to be with patient for all these transitions. Sometimes it becomes a tough work when the patient is too heavy to be lifted by two or three members and also when the transition has to be done twice or thrice in a day. The product are made of steel and normally used in Govt. Hospital, Private Hospital & Nursing homes etc.

Steel Table and chair: Flat top Steel table and Chair is used for office purpose.

MARKET DEMAND

The demand for Stretcher Trolley and Steel Furniture is increasing day by day due to the Increase the number of Hospitals in private sector & their expansion it is likely to be a steady increase in the demand for hospital furniture including chairs and tables which can be used for office purpose also.

BASIS & PROJECT SELECTION

- i). This project profile is based on 8 working hours a day and 25 days in a month.
- ii) The unit will use 70% of its installed capacity in the first year of commencement of commercial production and will attain its maximum capacity of 85% by the end of second year of commercial production.
- iii) The prices of raw materials as shown in this project profile are as per the prevailing market rate and may vary time to time.
- iv) The prices of machinery & equipment as shown in this project profile are as per the prevailing market rate and may vary time to time.
- v) The salary & wages shown in this project profile is as per the prevailing rate and conforms to the minimum wages act enacted by the state government.
- vi) Promoter's contribution for the project is taken @ 20% of the total cost of the project and will be financed under Financial Institutions.
- vii) The rate of interest for the loan is taken @ 12% per annum.
- viii) The cost of land and building as shown in the project profile is approximate one and the same may vary from place to place

ix) The project will be implemented in Six months from the date of conception of the project idea.

ESTIMATED TIME

This period included making all arrangements, market surveys and tie-ups, financial arrangements, purchase of machines, arrangement of power, recruitment of staff, commissioning of plant and trial production etc. in order to implement the project efficiently and in the shortest period there is a need to initiate many activities simultaneously as far as possible. This will not only cut the slack period but also will give quick results and be cost effective.

Estimated Time

Sl. No.	Activity	Estimated period required In (Days)
1.	Market surveys and tie-ups	10-15
2.	Arrangement of premises	20-25
3.	Registration and Financing	30-40
4.	Obtaining power connection	15-20
5.	Procurement of Machine and Equipments	40-50
6.	Installation of Machinery	8-10
7.	Obtaining Quotations	15-20
8.	Procurement of raw materials, consumables, packing materials etc.	5-10
9.	Product Development	5-10
10.	Commercial production	5

PROCESS OF MANUFACTURING

The main process steps are-

- (a) Cutting of rectangular tube in size
- (b) Cutting and bending of steel tube
- (c) Marking and cutting of Metal sheet
- (d) Cutting of strips
- (e) Grinding/finishing for welding
- (f) Drilling of angle, pipe, strips for bolting
- (g) Welding the sized material as per design of product to be made.
- (h) Grinding edges and surfaces to smoothness.
- (i) Assembly of elevating mechanism
- (j) Painting

Q U A L I T Y C O N T R O L

IS: 4035-1967 specifies dimensional & other requirements of Trolleys, Stretcher.

IS: 3663-1991 specifies dimensions of Tables and Chair for office Purpose

P O L L U T I O N C O N T R O L

These types of industries are not producing any effluents or any other polluting materials. Therefore pollution control measures are not taken into account.

P R O D U C T I O N C A P A C I T Y

This unit is envisaged to produce 600 Nos. of Stretcher Trolley, 300 chairs and 180 tables per annum

E M P L O Y E M E N T:

The Unit can provide employment to 11 persons directly.

Financial Aspects

L AND & BUILDING

2000 sqft Built up shed rented @ Rs.15000/- per month.

MACHINERY AND EQUIPMENT

Sl. No.	Item	Qty.	Amount (Rs.)
1.	Gas cutting set with torch, regulator etc.	03 Nos.	18000/-
2	Pipe bending machine hand operated	03 Nos.	39000/-
3	Cut off Machine	02 No.	22000/-
4	Hand Drill machine	03 No.	15000/-
5	Bench Drill machine	01 No.	18000/-
6	Bosch Grinding Machine	02 No.	9000/-
7	Bench Grinding Machine	01 No.	12000/-
8	Welding Set 300 amp	02 No.	26000/-
9	Hand Press Machine	01 No.	8000/-
10	Riveting Machine	01 No.	1,20,000/-
11	Compressor with spray gun for painting	01 No.	22000/-
12	Hand Tools (Ring and spanner Set, Screwdriver Set, etc.)	02 Set	15000/-
TOTAL			3,24,000/-

MAN POWER REQUIREMENT

Sl. No	Designation	No.	Monthly Salary	Amount (Rs.)
1	Supervisor	1	10000.00	10000/-
2	Skilled worker	3	8000.00	24000/-
3	Semi Skilled worker	3	6000.00	18000/-
4	Un Skilled worker	2	4500.00	9000/-
5	Accountant/ Cleark	1	6000.00	6000/-
5	Peon/ Chowkidar	1	4000.00	4000/-
TOTAL				71000/-

RAW MATERIALS(per month)

Sl.No	Items	Qty	Unit	Rate(In Rs.)	Amount(Rs.)
1	Rectangular Tube	800	kg	55	44,000/-
2	Steel Tube (Round)	800	kg	52	41,600/-
3	Metal Sheet	450	kg	48	21,600/-
4	Metallic Strip	250	kg	50	12,500/-
5	Castor Wheels	210	Nos.	320	67,200/-
6	Nuts, Bolts, Screw, Washers, Flats, Rubber items, Paints, etc.	---	---	---	25,100/-
TOTAL					2,12,000/-

M ISCELLANEOUS EXPENSES (Per Month)

Sl. No.	Item	Amount (Rs.)
1	Rent	15000.00
2	Transportation charge	7500.00
3	Office expenditure, Communication, Stationery	6000.00
4	Advertising & publicity	1000.00
5	Sales Expenditure	4500.00
6	Other Misc Expenditure (including electricity)	6000.00
TOTAL		40000/-

W ORKING CAPITAL (P.M)

Sl. No.	Component	Amount (Rs.)
1	Salary of Staff & Worker	71000.00
2	Raw Material	212000.00
3	Miscellaneous Expenditure	40000.00
Total		323000/-

TOTAL CAPITAL INVESTMENT

Sl. No.	Type of Capital	Amount (Rs.)
1.	<u>Fixed Capital</u> Machinery & Equipment	324000.00
2.	Working capital for 03 Months	969000.00
Total		12,93,000/-

FINANCING

Sl. No.	Means of Financing	Amount (Rs.)
1.	Promoter's Contribution (20%)	258600.00
2.	Bank Loan	1034400.00
Total		12,93,000/-

COST OF PRODUCTION (Per Annum)

Sl. No.	Items of Cost	Amount (Rs.)
1.	Total Recurring Capital	38,76,000.00
2.	Depreciation on Fixed assets @ 20%	64,800.00
3.	Interest on Bank Loan @ 12%	1,21,248.00
Total		40,62,048.00/-

TOTAL PRODUCTION (Per Annum)

Sl. No.	Item	Rate/Pcs. (In Rs.)	Quantity	Amount (Rs.)
1	Stretcher Trolley	6500.00	600	3900000.00
2	Tables	3500.00	300	1050000.00
3	Chairs	1500.00	180	2,70,000.00
Total				5220000.00/-

PROFIT (Per Annum)

$$\begin{aligned} \text{Profit} &= \text{Total Sale} - \text{Cost of Production} \\ &= 5220000.00 - 4062048.00 \\ &= \text{Rs. } 11,57,952 \end{aligned}$$

PERCENTAGE OF PROFIT ON SALE

$$\begin{aligned} \text{Profit Rate on Sale} &= \frac{\text{Profit} \times 100}{\text{Total Sale}} \\ &= \frac{1157952 \times 100}{5220000} \\ &= 22.18\% \end{aligned}$$

PERCENTAGE OF RETURN OVER INVESTMENT

$$\begin{aligned} \text{Return over Investment} &= \frac{\text{Profit} \times 100}{\text{Total Capital Investment}} \\ &= \frac{1157952 \times 100}{1293000} \\ &= \text{Rs. } 89.9\% \end{aligned}$$

BREAK EVEN ANALYSIS

$$\text{Break even Point} = \frac{\text{Annual Fixed cost} \times 100}{\text{Annual Fixed cost} + \text{Profit}}$$

Annual Fixed Cost

Sl. No.	Items	Amount (Rs.)
1.	Depreciation	64,800.00
2.	Interest on Bank Loan	1,21,248.00
3.	40% of Salary Staff & Worker	3,40,800.00
4.	40% of Misc. Expenses	1,92,000.00
TOTAL		7,18,848.00

$$\begin{aligned} \text{Break even Point} &= \frac{7,18,848 \times 100}{7,18,848 + 1157952} \\ &= \frac{7,18,848 \times 100}{1876800} \\ &= 38.30 \% \end{aligned}$$

ADDRESSES OF TOOLS & MACHINERY SUPPLIERS

1. Dwarka Industries, 1-4/A 11, Fathenagar, Srinagar Colony Main Rd, Hyderabad, Telangana 500018
2. M/s. Jeet Machine Tools 48, G.B. Road, Delhi.
3. M/s. Royal Sales Corpn. F-7 Udyog Nagar, Near Rohtak Road New Delhi.
4. M/s. Punjab Machine Tools, Dholewal Chowk, Ludhiana (Pb.)

ADDRESS OF RAW MATERIAL SUPPLIERS

From local/nearby suppliers/manufacturers.