

## **PROJECT PROFILE ON WHEEL CHAIR**

### **Production Capacity:- Qty per annum**

Wheel chair: 36000 Nos

Month & year of preparation:-June 2020

Prepared by:

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## **Introduction & Market Potential**

The wheelchair is one of the most commonly used assistive devices for enhancing and enabling personal mobility, which is a precondition for enjoying human rights and living in dignity, supporting individuals with mobility impairments to become more productive members of their communities. For people who have difficulties walking, a wheelchair which meets their physical, lifestyle and environmental needs is an essential tool, enabling them to enjoy vastly improved health, social and economic well-being. Mobility opens up opportunities for wheelchair users to study, work, engage in social and cultural activities and access services such as health care. For many people, an appropriate, well designed and well fitted wheelchair can be the first step towards inclusion and participation in society. An effective way of meeting the individual needs of wheelchair users is the provision of wheelchairs through wheelchair services. Furthermore, there are also limited training opportunities for health care personnel to gain the skills needed to prescribe a wheelchair effectively.

There is, however, increasing awareness of the importance of providing adequate wheelchair provision incorporating individual assessment, fitting and training in how to use a wheelchair since the Convention on the Rights of Persons with Disabilities and its Optional Protocol were adopted by the United Nations General Assembly on 13 December 2006 to promote, protect and ensure the full and equal enjoyment of all human rights and fundamental freedoms by all persons with disabilities, and to promote respect for their inherent dignity and the World Health Organizations (WHO) commitment at the Fifty-eighth World Health Assembly to provide support to Member States in building up a system for producing, distributing and servicing assistive devices.

### **Basic & presumptions:-**

1. The Unit assumed to work 16 hours per day on double shift basis for 300 working days in a year.
- 2 It is Expected to achieve 80% efficiency if full Capacity.
3. Wages for Workers have been taken as those prevailing at the time of preparation of project profile.
4. Interest rate for the fixed and working capital of the project has been taken at an average rate of 12.5% Per annum.
5. The Unit can work in rented premises.
6. The cost machinery of equipment has been taken as per prices prevailing in the local market.

### **Implementation Schedule:-**

| <b>S.No</b> | <b>Activity</b>                              | <b>Period of Week</b> |
|-------------|--|-----------------------|
| 1           | Preparation of project report                | 2                     |
| 2           | Selection of Site                            | 2                     |
| 3           | Provisional registration as small scale unit | 1                     |
| 4           | Availability of loan finance                 | 4                     |
| 5           | Procurement of machinery and Equipment       | 4                     |
| 6           | Erection of Machinery 1 and Equipment        | 1                     |
| 7           | Recruitment of staff & labor                 | 2                     |
| 8           | Procurement of raw material                  | 2                     |
| 9           | Trial production                             | 2                     |

The overall time required to commission the project may be 6 months.

### **Technical Aspects**

#### **Process of manufacture:-**

The raw material required for this project is available indigenously. This materials are purchased from raw material suppliers & processed by Designing and analyzing. Cutting, bending, welding after assembly and testing.

#### **Motive power:-**

Pollution control-The process of manufacture is non pollutant and hence no pollution control measures are necessary.

## Financial Aspects

### A. Fixed capital

#### (i) Land & building Rented:-

|   |                    |
|---|--------------------|
| Per month 250 sq m area<br>(workshop, office & store) | 40000.00 per month |
|---|--------------------|

#### (ii) Machines and Equipments:-

| S No. | Description  | Qty No. | Value In Lacs (INR). |
|-------|--|---------|----------------------|
| 1     | CNC Bending machine  | 1       | 4000000              |
|       | CNC Pipe bending   | 1       | 4500000              |
| 2     | Co2 welding machine  | 1       | 110000               |
| 3     | Tig welding machine  | 1       | 150000               |
| 4     | Electrification and Installation @10%total cost of machinery |         | 430000               |
| 5     | Office equipment and furniture                               |         | 100000               |
| 6     | (i) Total Machines & Equipment's                             |         | <b>92,90,000</b>     |
|       | (ii) Pre-operative Cost                                      |         | <b>929000</b>        |
|       |  | Total   | <b>1,02,19,000</b>   |

Total fixed capital = (ii) Rs.92,90,000 + (iii) 9,29,000 = Rs. 1,02,19,000/-

### B. Working Capital (per month)

#### I) Personal :-

| S. No | Description         | No | Salary            | Total              |
|-------|---------------------|----|-------------------|--------------------|
| 1     | Skilled Worker      | 2  | 18000             | 36000.00           |
| 2     | Semi Skilled Worker | 4  | 15000             | 60000.00           |
| 3     | Peon Cum Watchman   | 1  | 10000             | 10000.00           |
| 4     | Sweeper (part time) | 1  | 9000              | 9000.00            |
| 5     | Helper              | 6  | 10000             | 60000.00           |
|       |                     |    | Total             | <b>1,75,000.00</b> |
|       |                     |    | Perquisites @ 20% | 35,000.00          |
|       |                     |    | Total             | <b>2,10,000.00</b> |

**ii) Raw material:-**

| S. No | Particular         | Rate (Rs)     | Qty         | Total                 |
|-------|--------------------|---------------|-------------|-----------------------|
| 1     | Mild Steel pipes   | 52000/ ton    | 90          | 4680000.00            |
| 2     | Wheel              | 300/Per set   | 6000 set    | 1800000.00            |
| 3     | Rexin sheet        | 110/sqmtr     | 90000 sqmtr | 9900000.00            |
| 4     | Fastener           | 33000/ bundle | 12          | 396000.00             |
| 5     | Welding rod        | 375/kg        | 900 kg      | 337500.00             |
| 6     | Packaging Material | 50000/ ton    | 2 ton       | 100000.00             |
|       |                    |               | Total       | <b>1,72,13,500.00</b> |

**(iii)Utilities**

|              |                             |
|--------------|-----------------------------|
| Power        | Rs. 40000/ per month        |
| Water        | Rs. 15000/ per month        |
| <b>Total</b> | <b>Rs. 55000/ per Month</b> |

**(iv) Other Contingent Expenses**

|                           |               |
|---------------------------|---------------|
| 1. Rent                   | 40000         |
| 2. Postage & Stationery   | 2000          |
| 3. Repair & maintenance   | 25000         |
| 4. Transport & conveyance | 50000         |
| 5. Telephone Charges      | 2000          |
| 6. Insurance              | 5000          |
| 7. Miscellaneous Expenses | 5000          |
| <b>Total</b>              | <b>129000</b> |

**(v) Total Recurring Expenses(per month)**

|    |                           |                       |
|----|---------------------------|-----------------------|
| 1. | Raw material              | 1,72,13,500.00        |
| 2. | Personal                  | 2,10,000.00           |
| 3. | Utilities                 | 55,000.00             |
| 4. | Other contingent Expenses | 1,29,000.00           |
|    | Total                     | <b>1,76,07,500.00</b> |

**Total capital Investment:-**

|                                  |                          |
|----------------------------------|--------------------------|
| (i) Fixed Capital                | Rs. 1,02,19,000.00       |
| (ii) working Capital(for3months) | Rs.5,28,22,500.00        |
| <b>Total</b>                     | <b>Rs.6,30,41,500.00</b> |

Machinery Utilization All the machinery will be fully utilized. These won't be any idle capacity.

**Financial Analysis:-****(1) Cost of production (per year) in Rs)**

| S. No. | Cost of production (per Year)                   | In Rs.                 |
|--------|---|------------------------|
| 1      | Total recurring cost                            | 21,12,90,000.00        |
| 2      | Depreciation on machinery@10%                   | 9,29,000.00            |
| 3      | Depreciation on Tools and office Equipment@ 20% | 20,000.00              |
| 4      | Interest on total investment@12.5%              | 78,80,188.00           |
|        | <b>Total</b>                                    | <b>22,01,19,188.00</b> |
|        |   |                        |

**Turnover:-**

(2) Total Sales (per annum)

By sale @6500/- each wheel chair (6500\*36000) = 23,40,00,000

(3) Profit (per year)

Profit = (Total sale) - (Cost of production)

= Rs. 23,40,00,000 - Rs. 22,01,19,188

= **Rs. 1,38,80,812/-**

(4)Net profit ratio =  $\frac{\text{Net profit per year} \times 100}{\text{Turnover per year}}$

=  $\frac{13880412 \times 100}{23,40,00,000}$  = 5.93%

5)Rate of Return =  $\frac{\text{Net profit per year} \times 100}{\text{Total investment}}$

=  $\frac{13880812 \times 100}{6,30,41,500}$  = 22.02%

**Breakeven point:-**

| S. No. | Fixed Cost Per Annum  | (in Rs.)    |
|--------|---|-------------|
| 1.     | Rent, Insurance & Taxes   | 5,40,000    |
| 2.     | Depreciation on Machinery@10%   | 9,29,000    |
| 3.     | Depreciation on Tools & office Equipment@20%                            | 20,000      |
| 4.     | Interest on total investment@12.5%                                      | 78,80,188   |
| 5.     | 40% of Salary & Wages   | 10,08,000   |
| 6.     | 40% of other Contingent Expenses<br>(Excluding Rent, Insurance & Taxes) | 4,03,200    |
| 7.     | 40% of Utilities  | 2,64,000    |
|        | Total   | 1,10,44,388 |
|        |   |             |

$$\begin{aligned}\text{B.E.P.} &= \frac{\text{Fixed Cost} \times 100}{\text{Fixed Cost} + \text{profit}} \\ &= \frac{1,10,44,388 \times 100}{2,49,25,200} = 44.31\%\end{aligned}$$

**Address of Machinery and equipment Suppliers:-**

1. Complete Machinery and Equipment: G Fly Services, NO.1/78, Pillayar Koil Street, Iyyappanthangal, Chennai- 600 056
- 2.CNC Bending Machine: Shapath IV, A-601 6th Floor, Sarkhej - Gandhinagar Hwy, Prahlad Nagar, Ahmedabad, Gujarat 380015
- 3.Hydraulic Bending Machine: GMT Engineers Pvt. Ltd., H - 7A, Krupa Colony, First Avenue, Ashok Nagar, Chennai, Tamil Nadu 600083
- 4.CO2 & Tig Welding Machine: Sai Arc India Pvt Ltd , 41,42 & 43 Geason Nagar, Chennai, Tamil Nadu 600095