



## PROJECT PROFILE ON INTRAVENEOUS STANDS

<b>Product Name</b>	<b>INTRAVENEOUS STANDS</b>
<b>HSN Code</b>	<b>94029010</b>
<b>Production Capacity Per Annum</b>	<b>850 NOS.</b>
<b>Value (In Rs Per Annum)</b>	<b>Rs 65.5 lacs</b>
<b>Month &amp; Year of Preparation</b>	<b>June-2020</b>
<b>Prepared By</b>	<b>Sh Sunil Kumar Incharge: Br. MSME- Development Institute ITI Campus, Hansi Road Bhiwani -127021 Ph: &amp; Fax: 01664-243200 <i>Email-brdcdi-bhiw@dcmsme.gov.in</i></b>

## **INTRODUCTION**

**Intravenous therapy (IV)** is therapy that delivers fluids directly into a vein. The intravenous route of administration can be used both for injections, using a syringe at higher pressures; as well as for infusions, typically using only the pressure supplied by gravity. Intravenous infusions are commonly referred to as drips.

The intravenous route is the fastest way to deliver medications and fluid replacement throughout the body, because they are introduced directly into the circulation. Intravenous therapy may be used for fluid volume replacement, to correct electrolyte imbalances, to deliver medications, and for blood transfusions and IV STANDS may act as media for INTRAVENEOUS Therapy and wide range of IV Stands are required in the medical industry and become the essential need of hospitals and Nursing homes in today's era

## **MARKET POTENTIAL**

The IV Stand is an essential part of any Medical procedure. Today, various types of IV Stands are available for basic medical requirements as well as specialized procedures. The most important function of the IV Stand is to treat the patient during medical emergency

The largest segment in the total IV Stand is general that can get fix on patient bed and some of them are two Pipe (adjustable height) with stand and multiple hooks and which cost almost two times of an ordinary IV Stand, as for providing comfort to the patients the demand of this product is increasing day by day and there is good scope IV Stand manufacturing industry as the demand of the improved technology stretchers is expected to increase in the future.

## **BASIS AND PREASSUMPTIONS**

1. It is based on eight working hours a day and Twenty Five days in a month and the break even efficiency has been calculated on 75% capacity utilization.
2. Labor and wages are mentioned as per prescribed minimum wages and the proprietor.

3. Interest is considered @ 16% in the project for recurring and non-recurring investment.
4. The margin money as applicable to general categories of entrepreneurs may be 25% of the project cost.
5. The payback period may be 5years after the loan has been disbursed.
6. The cost of the land, construction charges, cost of machinery and equipment, raw materials and consumables, other contingent expenses etc. indicated in the profile are based on the prices prevailing at the time of project preparation and can be changed from time based on local conditions

### **IMPLIMENTATION SCHEDULE**

Sr. No.	Activity	Period in Days
1	Survey for collection of data in respect of demand, raw material including power and fuel, Procurement of technical knowhow etc.	0-45
2	Arrangement of finance for margin money and other financial assistance.	30-60
3	Preparation of project report.	60-90
4	Selection of site (rented building).	90-120
5	Placement of orders and receipt of machines and of workers/staff recruitment.	120-150
6	Procurement of raw material/bought out components/tools/measuring equipment/gauges etc.	150-180
7	Erection of machines/electrification and commissioning.	180-210
8	Trial Production.	210-240
9	Commercial Production.	240-270

### **TECHNICAL ASPECTS**

#### **PROCESS OF MANUFACTURE**

The process of manufacturing of IV Stands does not involve any special technology. It is basically manufactured by sheet metal operation basically fabrication work which involve bending and cutting of Pipes and pressing of hooks. The Pipes MS/SS are cut as per drawing

specifications by Pipe cutters and then the hooks are pressed by mechanical presses and some times it is manufactured as integral part or sometimes it is manufactured as detachable attachment it is purely in accordance with the type of application and customer satisfaction, then the holes are drilled in the pipes so as to make it available of adjustable heights.

#### QUALITY CONTROL AND STANDARDS

Good workmanship and best quality of raw material must be used to satisfy the consumers.

#### POLLUTION CONTROL

The manufacturing/fabrication of IV Stands does not pose any problem to pollution. However proper ventilation is to be done in the shop floor area.

#### ENERGY CONSERVATION

Suitable energy efficient motors are to be used on proposed machines with provisions of recommended shunt capacitors. The workers of this unit should be made aware of the need to conserve energy by switching off the energy sources when not required.

<b>A. FINANCIAL ASPECTS</b>					
<b>(i) LAND AND BUILDING</b>					
	Shed covered area 300sq.mts.				4000
<b>(ii) MACHINES &amp; EQUIPMENTS</b>					
Sr.No.	Description	Imp./Ind.	Qty.	Rate(Rs.)	Amount(In Rs.)
1	Sensitive Drilling Machine.	Ind.	2	15000	30000
2	Arc Welding set (with lead)	Ind.	1	10000	10000
3	Bench grinder with 8" wheel dia with 1hp motor.	Ind.	1	8000	8000
4	Fly press No. 7.	Ind.	1	25000	25000
5	Pipe cutter with 3HP motor 3Phase	Ind.	1	20000	20000

6	Hand Grinder.	ind.	2	2000	4000
7	Poweder coting Machine	Ind.	1	30000	30000
8	Work tables, racks.	ind.	L.S		10000
9	Tools,Dies and jigs and fixtures and measuring instruments.	ind.	L.S		20000
			<b>TOTAL</b>		157000
	Office furniture almiraah, chairs and tables.				50000
	Electrification & installation charges @ 10% of m\c cost				15700
			<b>TOTAL</b>		222700
(iii)	<b>PRE - OPERATIVE EXPENES</b>		L.S		50000
	<b>TOTAL FIXED CAPITAL</b> <b>{{(i)+(ii)+(iii)}</b>				276700
<b>B.</b>	<b>WORKING CAPITAL(PER MONTH)</b>				
(i)	<b>STAFF AND LABOUR</b>				
<b>Sr.No.</b>	<b>Designation</b>		<b>Nos.</b>	<b>Rate(Rs.)</b>	<b>Amt(In Rs.)</b>
1	Supervisor/Foreman(maintenance)		1	15000	15000
2	Skilled Workers		3	10000	30000
3	Semi-Skilled Workers		3	7000	21000
4	Storekeeper		1	7000	7000
5	Clerk		1	7000	7000
6	Helper		2	6000	12000
7	Peon		1	5000	5000
8	Chowkidar/Watchman		1	5000	5000
			<b>TOTAL</b>		102000
			<b>TOTAL</b>		102000

<b>(ii)</b>	<b>RAW MATERIALS</b>			
Sr.No.	Particulars	Qty.	Rate(Rs.)	Amount(In Rs.)
2	M.S Pipe	500Kg.	66/Kg	33000
3	Stainless Steel PIPE 202 Grade	500Kg.	280/Kg	140000
4	Wheel Set	500Set of 5 wheels	70/Set	35000
	<b>TOTAL</b>	208000		
<b>(iii)</b>	<b>UTILITIES</b>			
Sr.No.	Description	AMOUNT(in Rs.)		
1	Power 3500 KWH @ Rs. 7/unit	24500		
2	Water	3000		
	<b>TOTAL</b>	<b>27500</b>		
<b>(iv)</b>	<b>OTHER CONTINGENT EXPENSES</b>			
Sr.No.	Description	AMOUNT(In Rs.)		
1	Consumable Stores	5000		
2	Stationary	5000		
3	Transportation	5000		
4	Repairs and Maintenance	15000		
5	Advertisement and Publicity	6000		
6	Miscellaneous	5000		
7	Insurance and Taxes	5000		
	<b>TOTAL</b>	<b>46000</b>		
<b>(v)</b>	<b>TOTAL RECURRING EXPENDITURE (PER MONTH)</b>			
Sr.No.	Description	AMOUNT(In Rs.)		
1	Staff and labour	102000		
2	Raw material	208000		
3	Utilities	27500		

4	Other contingent expenses	46000			
	<b>TOTAL</b>	383500			
(vi)	<b>TOTAL WORKING CAPITAL(FOR 3MONTHS)</b>	1150500			
<b>C.</b>	<b>TOTAL CAPITAL INVESTMENT</b>				
Sr.No.	Description	AMOUNT(In Rs.)			
1	Fixed capital	276700			
2	Working capital for 3 months.	1150500			
	<b>TOTAL</b>	1427200			
	<b>FINANCIAL ANALYSIS</b>				
Sr.No.	(1) Cost of production	AMOUNT(In Rs.)			
1	Total recurring cost	4602000			
2	Dep. On plant macinary @ 10%	15700			
3	Dep. On tools and accessories @ 25%	7500			
4	Dep on office equipmnts @ 20%	10000			
	Interest on total capital investment @16%	228352			
	<b>TOTAL</b>	4863552			
	<b>(2) Turn over( per year)</b>				
Sr.No.	Particulars	Qty.	Rate(Rs.)	Amount(In Rs.)	
1	By sale of Two pole adjustable height SS IV STAND	500	9000	4500000	
2	By sale of MS TWO pole IV Stand	250	5000	1250000	
	<b>TOTAL</b>	5750000			
	<b>(3) NET PROFIT(PER YEAR)</b>				
		TURN OVER - COST OF PRODUCTION			
		886448			

	<b>(4) PROFIT PERCENTAGE</b>				
		{(NET PROFIT X 100)/ TOTAL TURNOVER}			
		15.41648696			
	<b>(5)RATE OF RETURN</b>				
		{(NET PROFIT X 100)/ TOTAL INVESTMENT}			
		18.22			
	<b>(6)BREAK EVEN POINT</b>				
Sr.N o.	FIXED COST (PER YEAR)	AMOUNT(In Rs.)			
i)	Depreciations	15700			
ii)	Interest on total capital investment @ 16%	228352			
iii)	40% of the salary wages	40800			
iv)	40% of the other contingent expenses	18400			
v)	Rent and insaurence	48000			
	<b>TOTAL FIXED COST</b>	<b>351252</b>			
	<b>BREAK EVEN POINT CALCULATIONS</b>				
		{(FIXED COST X 100)/(FIXED COST +PROFIT)}			
		(35125200/1237700)= 28.37			
		28.37			

### Addresses of Machinery and Equipment Suppliers

1. M/s. Tool Today (India)  
D-52, Phase-V, Focal Point,  
Ludhiana-141101
2. M/s James Engg. Works  
Birhana Road,  
Kanpur (U.P)



3. M/s Ashoka Machine Tools Corp.  
A-15, Mayapuri, Indl.Area,  
New Delhi.

### **Address of the Press Suppliers**

1. M/s Amteep Machine Tools (P) Ltd.  
14/7, Mathura Road,  
Faridabad (Haryana)
2. M/s Brison Industries  
262 Industrial Area "A"  
Ludhiana.