

## SECTOR D: PHARMACEUTICALS

### D-1: AYURVEDIC / HERBAL MEDICINES

#### 1. TECHNOLOGY DESCRIPTION

The technology is for manufacturing Ayurvedic / Herbal medicines as well as Allopathic medicines. The manufacturing process includes manufacturing of various Ayurvedic / Herbal formulations like tablets, Capsules and oral Liquids. Manufacturing Allopathic medicines like tablets, coated tablets, capsules, Oral liquids, suspensions, dry syrups, and ointments.

#### 2. TECHNOLOGY STATUS

The technology has been very well established and has been fully commercialized. The technology is easy to assimilate and not capital intensive.

#### 3. COMPANY PROFILE

Company Name		VERMA PHARMACY P. LTD.
Address		59, Hadapsar Industrial Estate, Pune 411013 Maharashtra (India) Tel: +91-20-687 2051 Fax: +91-20-687 9217
Contact Person		Mr. V D Verma, Director
E-mail		<a href="mailto:vppl@hotmail.com">vppl@hotmail.com</a>
Web Site		---
Year of Establishment	:	1965

Products manufactured	:	Ayurvedic, Herbal & Allopathic Medicines
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Installed Capacity	:	For tablets – 30 million Liquids – 3 lakh liters Capsules –7.5 million Ointments – 15000 Kg.
Production (2000-01)	:	For tablets – 6.0 million Liquids – 1 lakh liters Capsules –1.2 million Ointments – 500 Kg.
Sales Turnover (2000-01)	:	Rs. 10 Million [US \$ 0.20 Million]
Exports	:	---
Conformity to standards	:	Indian Standard Specifications
Compliance to ISO	:	In Process
Foreign Collaboration	:	None
Manpower Total	:	25 No.
Tech. & Admin.	:	7 Nos.
Raw Materials Used	:	Herbs, Extracts, Bulk Drugs
Effluent generated	:	Not significant

#### 4. BROAD PROFILE OF EXPECTED PROJECT

<b>Project Features</b>	
Project	: To manufacture Herbal / Ayurvedic and allopathic Medicines
Capacity	: Tablets – 30 million Liquids – 1 lac lit Capsule – 7.5 million
Land Requirements	: 20,000 Sq. Ft. Built up Area [1858 Sq. Mtr.]
Building Requirements	: 10,000 Sq. Ft. [929 Sq. Mtr.]
Plant & Machinery and Test Equipment	: Rs. 10 Million [US \$ 0.20 Million]
Electrical Installation	: 100 H.P. (80 KVA)
Implementation Period	: 12 Months
Manpower Required (Total)	: 50 Nos.
Raw Materials Required	: Herbs, Extracts, Bulk Drugs

<b>Financial Data</b>	
Total Project Cost	: Rs. 15 Million [US \$ 0.30 Million]
Expected Annual Sales (At 70% capacity utilization)	: Rs. 20 Million [US \$ 0.40 Million]
Profitability	: App. 15 % on sales

<b>Target Market</b>	: <b>South Africa</b>
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### SECTOR D: PHARMACEUTICALS

#### D-2: HERBAL COSMETICS

## **1. TECHNOLOGY DESCRIPTION**

The technology is available for manufacture of Herbal Cosmetics like lip conditioners. The raw materials used are honey, cow ghee, kokum fat, bees wax along with some herbs. The technology includes process for mixing and stirring the above ingredients at a certain temperature and in a particular fashion to form a lump. This special process is developed on the basis of Ayurvedic reference materials and has been patented.

## **2. TECHNOLOGY STATUS**

The awareness regarding protection of face skin and lips has increased tremendously in the last decade. The technology, which has been commercialized in 1997, is receiving good response in the Market. The technology is easily adaptable in other countries. The importance of Ayurvedic formulation, which have no known side effects, is being accepted gradually in the world of medicine.

### 3. COMPANY PROFILE

Company Name		KEVERA HERBALS (I) LTD.
Address		2, Vasant Apartments, 106/2, Dr. Ketkar Road, Erandawane, Opposite (Old) Karnataka High School, Pune 411004 Tel.: +91-20-543 3933 (6 Lines) Fax: +91-20-543 3955
Contact Person		Mr. Parag Gandhi, M D
E-mail		<a href="mailto:kevera@manasgroup.com">kevera@manasgroup.com</a>
Web Site		---
Year of Establishment	:	1997
Products manufactured	:	Herbal Cosmetics -Lip Conditioners
Installed Capacity	:	5000 Nos./day
Production (2000-01)	:	50000 Nos.
Sales Turnover (2000-01)	:	Rs. 3 Million [US \$ 0.060 Million]
Exports	:	Rs. 3 Million [US \$ 0.060 Million]
Conformity to standards	:	IP/ BP
Compliance to ISO	:	No
Foreign Collaboration	:	None
Manpower Total	:	12 Nos.
Tec. & Admin	:	2 Nos.
Raw Materials Used	:	Cow ghee, honey, bee wax, kokum fat etc.
Effluent generated	:	NIL

### 4. BROAD PROFILE OF EXPECTED PROJECT

<b>Project Features</b>		
Project	:	To manufacture Herbal Cosmetics -Lip Conditioners
Capacity	:	5000 Nos./day
Land Requirements	:	2000 Sq. Ft. [186 Sq. Mtr.]
Building Requirements	:	960 Sq. Ft. [89.2 Sq. Mtr.]
Plant & Machinery and Test Equipment	:	Rs. 2.0 Million [US \$ 0.04 Million]
Electrical Installation	:	15 KVA
Implementation Period	:	6-9 Months
Manpower Required (Total)	:	14
Raw Materials Required	:	Cow ghee, honey, bee wax, kokum fat etc.

<b>Financial Data</b>		
Total Project Cost	:	Rs. 3.0 Million [US \$ 0.060 Million]
Expected Annual Sales	:	Rs. 3.8 Million [US \$ 0.076 Million]
Profitability	:	25% -30%

<b>Target Market</b>	:	<b>South Africa, Namibia</b>
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## **SECTOR D: PHARMACEUTICALS**

### **D-3 PHARMACEUTICAL FORMULATIONS**

#### **1. TECHNOLOGY DESCRIPTION**

The technology is for the manufacturing of pharmaceutical formulations like cough syrup, moisturizing cream, ear drops, tooth drops and creams including many ayurvedic medicines for stress and strains, fatigue and tonics.

#### **2. TECHNOLOGY STATUS**

The technology has been successfully commercialized. FDA (Food & Drug Association) approval has been obtained. The manufacturing process has been updated with modern microprocessor controlled machinery for all the products upto the packing stage. With the increasing demand for dermatological products and growing acceptance of Ayurvedic medicines, the technology should have good demand worldwide.

### 3. COMPANY PROFILE

Company Name		Nulife Pharmaceuticals
Address		Plot No.63, F-2.Block, M.I.D.C Pimpri, Pune 411018 Maharashtra (India) Tel: +91-20 588 6736 / 588 6738
Contact Person		Mr. Jayantilal Ambalal Trivedi Managing Partner Mr. Umesh Jayantilal Trivedi Partner
E-mail		<a href="mailto:nulife@vsnl.com">nulife@vsnl.com</a>
Web Site		---
Year of Establishment	:	1975
Products manufactured	:	Cough Syrup, Ear Drops, Tooth Drops, Moisturizing Cream etc.
Installed Capacity	:	641.2 Million Nos.
Production (2000-01)	:	130 Million Nos.
Sales Turnover (2000-01)	:	Rs. 117 Million [US \$ 0.2.34 Million]
Exports	:	Rs. 0.5 Million [US \$ 0.010 Million]
Conformity to standards	:	Indian, British & United States Pharmacopoeia
Compliance to ISO	:	No
Foreign Collaboration	:	None
Manpower		
- Total	:	220 Nos.
- Tech & Admin.	:	20
Raw Materials Used	:	Chemicals and Basic Drugs
Effluent generated	:	Not significant

### 4. BROAD PROFILE OF EXPECTED PROJECT



<b>Project Features</b>	
Project	: To manufacture Cough Syrup, EarDrops, Tooth Drops, Moisturizing Cream etc.
Capacity	: 150 Million Nos.
Land Requirements	: 10,000 Sq. Ft. [929 Sq. Mtr.]
Building Requirements	: 7,500 Sq. Ft. [697 Sq. Mtr.]
Plant & Machinery and Test Equipment	: Rs. 10 Million [US \$ 0.20 Million]
Electrical Installation	: 75 KVA
Implementation Period	: 12 Months
Manpower Required (Total)	: 100 Nos.
Raw Materials Required	: Chemicals and Basic Drugs

<b>Financial Data</b>	
Total Project Cost	: Rs. 15 Million [US \$ 0.30 Million]
Expected Annual Sales	: Rs. 20 Million [US \$ 0.40 Million]
Profitability	: 12% to 15%

<b>Target Market</b>	: <b>South Africa, Ukraine</b>
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## **SECTOR D: PHARMACEUTICALS**

### **D-4: PHARMACEUTICAL FORMULATIONS**

#### **1. TECHNOLOGY DESCRIPTION**

The technology is for the manufacturing of pharmaceutical formulations such as Tablets / Capsules / Liquid orals and Ointments. These are manufactured with latest technology as per guidelines laid down by World Health Organization (WHO). We at Milan follow and adhere to all latest techniques and newer machinery, installed in our state-of-the-art plant. The products, developed over a period of time are well accepted in the market and are also exported to African countries.

#### **1. TECHNOLOGY STATUS**

The products manufactured have been marketed all over India for last 20 years as well as exported to many African countries. The manufacturing plant and process has been approved as per WHO guidelines. The company is accredited as a Government recognized export house.

## 2. COMPANY PROFILE

Company Name	MILAN LABORATORIES (INDIA)
Address	Office: A-5, Megh Malhar, Gavand Path, Naupada, Thane 400602 Tel.: +91-22-544 7341/ 539 0686 Fax: +91-22-540 1744 Factory: Plot No. 63/67, Jawahar Co- operative Industrial Estate Ltd., Kamothe, Panvel 9Navi Mumbai) Tel.: +91-22-742 1910 /742 0391 Fax: +91-22-742 1910
Contact Person	Mr. U.M. Deshpande, Partner
E-mail	<a href="mailto:mllabs@vsnl.com">mllabs@vsnl.com</a> <a href="mailto:dhruv.deshpande@bol.net.in">dhruv.deshpande@bol.net.in</a>
Web Site	<a href="http://www.milanlabs.com">http://www.milanlabs.com</a>
Year of Establishment	: 1978
Products manufactured	: Tablets, Capsules, Liquid Orals & Ointments
Installed Capacity	: 900 Million Nos. (Tablets 700 Million Nos., Capsules 120 Million nos. and rest is Liquid Orals & Ointments)
Production (2000-01)	: Approx. 60% to 70% of the capacity.
Sales Turnover (2000-01)	: Rs. 260 Million [US \$ 5.20 Million]
Exports	: Rs. 250 Million [US \$ 5.00 Million]
Conformity to standards	: Indian Standards, WHO
Foreign Collaboration	: No
Manpower Total	: 100 + (Technical 25 Admin. 10)

Raw Materials Used	:	Chemicals and Basic Drugs
Effluent generated	:	Insignificant

#### 4. BROAD PROFILE OF EXPECTED PROJECT

<b>Project Features</b>		
Project	:	To manufacture Tablets, Capsules, Liquid Orals & Ointments
Capacity	:	900 Million Nos. per year
Land Requirements	:	50,000 Sq. Ft. [4650 Sq. Mtr.]
Building Requirements	:	30,000 Sq. Ft. [2790 Sq. Mtr.]
Plant & Machinery	:	Rs. 80 Million [US \$ 1.60 Million]
Electrical Installation	:	150-180 KVA
Implementation Period	:	9-12 Months
Manpower Required (Total)	:	100 Nos.
Raw Material Required	:	Chemicals and Basic Drugs

<b>Financial Data</b>		
Total Project Cost	:	Rs. 100 Million [US \$ 2.00 Million]
Expected Annual Sales	:	Rs. 200 Million [US \$ 4.00 Million]
Profitability	:	10% to 12%

<b>Target Market</b>	:	<b>African Countries</b>
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### SECTOR D: PHARMACEUTICALS

#### D-5: VETERINARY PRODUCTS AND PHARMACEUTICAL FORMULATIONS

## 1. TECHNOLOGY DESCRIPTION

Process technology is available for manufacture of tablets, capsules, liquid orals and powders for different applications. Main applications are anti-tuberculosis drug, health care products, medicines, therapeutic medicines and animal feed. Technology for manufacturing dietary supplements - herbal tablets and capsules, is also available. The products, developed over a period of time are well accepted in the Market and are also exported to countries like Tanzania, Zimbabwe, Uganda, Nigeria, and Kenya.

## 2. TECHNOLOGY STATUS

The products manufactured are marketed in all over India since 28 years and also exported to many African countries. The manufacturing plant and process has been approved as per WHO guidelines and has undergone inspection by Hans Presson Consulting for WHO-GMP practice. The company obtained ISO-9001 certification in 1996 with re-certification in the year 2001.

## 3. COMPANY PROFILE

Company Name	LI TAKA PHARMACEUTICALS LIMITED
Address	B-22, H Block, MIDC, Bhosari, Pune 411026 Tel.: +91-20-747 5862 / 63 / 64 Fax: +91-20-747 4109

Contact Person	Mr. D.M. Karmarkar, VP (Technical)
E-mail	<a href="mailto:litakapune@vsnl.net">litakapune@vsnl.net</a>
Web Site	<a href="http://www.litaka.com">http://www.litaka.com</a>
Year of Establishment	: 1974

Products manufactured	:	Tablets, capsules, liquid orals & powders and veterinary products / animal feed
Installed Capacity	:	Liquid Orals – 1,200 KL Powder – 60,000 KG Veterinary Powder – 3,60,000 KG Tablets – 2,100 Million Nos. Capsules – 440 Million Nos. Capacity* (see details below)
Production (2000-01)	:	Liquid Orals – 600 KL Powder – 30,000 KG Veterinary Powder – 1,80,000 KG Tablets – 1,200 Million Nos. Capsules – 250 Million Nos.
Sales Turnover (2000-01)	:	Rs. 638 Million [US \$ 12.76 Million]
Exports	:	Rs. 145 Million [US \$ 2.90 Million]
Conformity to standards	:	Indian Standard Specifications

\*Capacity details of Li Taka Pharmaceuticals

Dept.	Unit	Installed Capacity		
		Pimpri Plant	Vadgoan Plant	Total
Tablets	Million	1,500	6,00	<b>2,100</b>
Liquid Orals	KL	1,200	---	<b>1,200</b>
Capsules	Million	200	240	<b>440</b>
Powder	KG	60,000	---	<b>60,000</b>
Veterinary Powder	KG	----	3,60,000	<b>3,60,000</b>

Compliance to ISO	:	Yes
Foreign Collaboration	:	None
Manpower Total	:	270 Nos.
Raw Materials Used	:	Chemicals and Basic Drugs
Effluent generated	:	Not significant

#### 4. BROAD PROFILE OF EXPECTED PROJECT

<b>Project Features</b>		
Project	:	To manufacture veterinary products / animal feed and pharmaceutical formulations
Capacity	:	Liquid Orals – 600 KL Powder – 30,000 KG Veterinary Powder – 1,80,000 KG Tablets – 1,200 Million Nos. Capsules – 250 Million Nos.
Land Requirements	:	10,000 Sq. Ft. [929 Sq. Mtr.]
Building Requirements	:	8,000 Sq. Ft. [744 Sq. Mtr.]
Plant & Machinery and Test Equipment	:	Rs. 45 Million [US \$ 0.90 Million]
Electrical Installation	:	150-180 KVA
Implementation Period	:	12 – 16 Months

Manpower Required (Total)	:	100 Nos.
Raw Material Required	:	Chemicals and Basic Drugs

<b>Financial Data</b>		
Total Project Cost	:	Rs.82 Million [US \$ 1.64 Million]
Expected Annual Sales	:	Rs. 100 Million [US \$ 2.00 Million]
Profitability	:	12% to 15%

<b>Target Market</b>	:	<b>South Africa</b>
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