Disposable Plastic Syringes

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<table>
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<tr>
<td><strong>Capacity:</strong></td>
<td>180 Lakh Nos. /annum</td>
</tr>
<tr>
<td><strong>Plant and machinery cost:</strong></td>
<td>245.00 Lakh</td>
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<tr>
<td><strong>Working Capital:</strong></td>
<td>0.00 Lakh</td>
</tr>
<tr>
<td><strong>Rate of return(ROR):</strong></td>
<td>26.00 %</td>
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<td><strong>Break Even Point (BEP):</strong></td>
<td>46.00 %</td>
</tr>
<tr>
<td><strong>TCI:</strong></td>
<td>455.00 Lakh</td>
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<tr>
<td><strong>Cost of Project:</strong></td>
<td>455.00 Lakh</td>
</tr>
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It is an instrument which is used for injecting any liquid into the body of human beings or of animals. These syringes are used for injecting the medicine into the body or into the nerve of the body which are not possible to take in through mouth or takes much time in mixing with blood. A syringe is a simple piston pump consisting of a plunger that fits tightly in a tube. The plunger can be pulled and pushed along inside a cylindrical tube (the barrel), allowing the syringe to take in and expel a liquid or gas through an orifice at the open end of the tube. The open end of the syringe may be fitted with a hypodermic needle, a nozzle, or tubing to help direct the flow into and out of the barrel. The constantly increasing use of Disposable Syringes made of plastic Material indicates its importance, which is based mainly on the advantages it offers regarding cost and hygienic applications. Due to their availability is sterilized condition, ready to use and cost effectiveness, disposable syringes are fast replacing the age-old glass syringes. Disposable syringes are mostly injection moulded from polypropylene. Syringes are available in sizes of 1ml, 2ml, and 10ml, in a variety of designs and consist of either two or three components in their material of construction. The number and size of injection moulding machines required depends upon syringe construction, number of mould cavities and annual production. Uses & Applications Disposable syringes commonly are used in modern medicine for the injection of drugs and vaccines or for the extraction of blood. Among the common uses of disposable syringes are the injecting of insulin by a diabetic person and the administering of a local anesthesia by a dentist. Disposable syringes are favored over reusable syringes for vaccines, in order to avoid the risk of transmitting blood-borne diseases such as human immunodeficiency virus (HIV) and hepatitis from one person to another. Disposable syringes also are used to inject anesthetics for medical procedures. They can be used either alone or in combination with anesthetic gas for general anesthesia. They can be used in combination with anesthetic spray or cream for local anesthesia. The syringes used by dentists to administer local anesthesia before drilling or pulling teeth are a common example. Disposable syringes sometimes are used for drawing blood samples. They allow greater precision than evacuated tube systems, so syringes used together with butterfly needles often are favored when drawing blood. Market Survey The Indian healthcare sector, including pharmaceutical, diagnostics and hospital services, is expected to more than double its revenues to Rs 2500 bn by 2014. Expenditure on healthcare services, including diagnostics, hospital occupancy and outpatient consulting, the largest component of this spend is expected to grow more than 125% to Rs 1560 bn. The Indian domestic Medicare devices industry is expected to grow from Rs 60 bn to Rs 76.5 bn in four years. The overall market is estimated at Rs 150 bn. A major part of the demand is met through imports. Devices, such as catheters and stents represent nearly two-fifth of the entire range of diagnostic devices and most critical as per international classification. Presently medical devices are treated like drugs and regulated by state drug regulators under the drug law - Drugs and Cosmetics Act. Guidelines would make it mandatory for producers to get their products certified by notified bodies like ISO and BIS. The market for non-premium equipments, appliances and disposables is, however, dominated by the domestic manufacturers, while foreign suppliers and Indian companies with foreign alliances dominate the high-end hi-tech medical equipment and appliances. With the healthcare sector being opened up to private players, India is now emerging as a lucrative market for global firms dealing in hi-tech diagnostic and imaging equipment. In the Indian single uses syringes market, which is nearly 1.5 bn units strong, Hindustan Syringes and Medical Devices (HMD) enjoys a 65% market share. Imports constitute 10% of this market. In the single use needles market, HMD has a 70% market share, followed by imported brands with a 25% market share. The size of the local needles market is 2.5 bn units per annum. With the opening of healthcare sector, the market for medical equipment and accessories has become more vibrant. A large number of new medical facilities have been created by a large numbers of service providers, which is indicative of the great potential for medical equipment in India. The Indian market is expanding in all directions as a result of better affordability, greater health consciousness and
expanding medical service institutions. With a population of 1.15 bn, India will need to at least 2 mn beds in
the next 10 years in order to attain a modest target of 2 per 1000 of population. With a total healthcare
value of USD 400 bn, the potential for Medicare equipment is, indeed large. Although there is a large
untapped potential, the industry is confronted with problems of low volumes, high cost of
production/operation, and rapid obsolescence as a result of accelerated, almost continuous, technological
breakthroughs. The fragmentation of production facilities forestalls any worthwhile effort at R&D. This leads
to industry's dependence on imported technology. Nonetheless, it is crystal clear that with the fast
commercialization process of the sector and upgradation of medical facilities, the potential is sky-high.

**Few Major Players are listed below:**

Albert David Ltd.
Disposable Medi-Aids Ltd.
H L L Lifecare Ltd.
Hindustan Syringes & Medical Devices Ltd.
Iscon Surgicals Ltd.
La Medical Devices Ltd.
Lifeline Injects Ltd.
Lifelong Meditech Ltd.
Nirma Ltd.
Raaj Medisafe India Ltd.
Sangam Health Care Products Ltd.
Surgiplast Ltd.

**Tags**

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