Biogas Power Plant from Cow Dung

<table>
<thead>
<tr>
<th><strong>Capacity:</strong></th>
<th>1000 KWh or 1 MWh</th>
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</thead>
<tbody>
<tr>
<td><strong>Plant and machinery cost:</strong></td>
<td>485.00 Lakh</td>
</tr>
<tr>
<td><strong>Working Capital:</strong></td>
<td>0.00 Lakh</td>
</tr>
<tr>
<td><strong>Rate of return(ROR):</strong></td>
<td>22.00 %</td>
</tr>
<tr>
<td><strong>Break Even Point (BEP):</strong></td>
<td>45.00 %</td>
</tr>
<tr>
<td><strong>TCI:</strong></td>
<td>1245.00 Lakh</td>
</tr>
<tr>
<td><strong>Cost of Project:</strong></td>
<td>1245.00 Lakh</td>
</tr>
</tbody>
</table>

Biogas plants have the ability to accept a wide variety of organic residues as primary fuel input. This includes Cow dung, agricultural residue, effluent discharge, food residue etc. Most agricultural / food production processes have significant amount of organic residues output as by-product. Traditionally, these residues are buried in landfills or discharged, which cause negative environmental impact. In some places, institutions have to pay a fee to dispose off such residues. A biogas plant solves this residue disposal problem by converting residues into usable energy. Biogas is created by bacteria in the process of biodegradation of organic material under anaerobic (without air) conditions. Methanogens material and return the decomposed products to the environment. In this process biogas (methane) is generated, which is a source of renewable energy. There is a good scope for new entrants.
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