Pulp and Paper from Bamboo

<table>
<thead>
<tr>
<th>Capacity:</th>
<th>100MT/Day</th>
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<tbody>
<tr>
<td>Plant and machinery cost:</td>
<td>5457.00 Lakh</td>
</tr>
<tr>
<td>Working Capital:</td>
<td>0.00 Lakh</td>
</tr>
<tr>
<td>Rate of return (ROR):</td>
<td>26.62 %</td>
</tr>
<tr>
<td>Break Even Point (BEP):</td>
<td>54.00 %</td>
</tr>
<tr>
<td>TCI:</td>
<td>8300.00 Lakh</td>
</tr>
<tr>
<td>Cost of Project:</td>
<td>8300.00 Lakh</td>
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</tbody>
</table>
Paper is a major product of the forestry industry, and is used widely in our society. Paper products are used not only in their obvious applications in the publishing industry and for writing on, but also in a variety of specialty papers, cardboards, brown papers etc. In addition, various chemicals are produced as a byproduct of the pulp and paper industry. The use of paper for various purposes is an essential feature of the modern society. Therefore pulp and paper manufacturing is very important part of modern industry. Pulp and paper production is based on the use of bamboo as raw material, but also on the consumption of large-scale chemicals, like chlorine, sodium hydroxide, etc. Bamboo is a fast-growing, evergreen plant belonging to the botanical family of grasses. It has long been used as a construction material and as a source of implements, weapons, and ornaments in several global regions, particularly in Asia. In these regions, bamboo pulp has also been used to make high-grade papers for many years. Paper is one of the basic needs of modern life. It is a well-known product, which is the only media of communication through writing. It is then off rital medium for propagation of educations. It is used in every part of life, i.e., education, office, researches, engineering, art, book printing, magazine, newspaper, etc. Bamboo paper has practically the same quality as paper made from wood. Its brightness and optical properties remain stable, while those of paper made from wood may deteriorate over time. The morphological characteristics of bamboo fibres yield paper with a high tear index, similar to that of hardwood paper. The tensile stiffness is somewhat lower compared with softwood paper.

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