## Copper Powder By Electrolytic Process

<table>
<thead>
<tr>
<th>Capacity:</th>
<th>Copper Powder : 15,000 MT/Annum</th>
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</thead>
<tbody>
<tr>
<td>Plant and machinery cost:</td>
<td>307.00 Lakh</td>
</tr>
<tr>
<td>Working Capital:</td>
<td>0.00 Lakh</td>
</tr>
<tr>
<td>Rate of return (ROR):</td>
<td>31.00 %</td>
</tr>
<tr>
<td>Break Even Point (BEP):</td>
<td>46.00 %</td>
</tr>
<tr>
<td>TCI:</td>
<td>3050.00 Lakh</td>
</tr>
<tr>
<td>Cost of Project:</td>
<td>3050.00 Lakh</td>
</tr>
</tbody>
</table>
Copper makes vital contributions to sustaining and improving society. Copper's chemical, physical and aesthetic properties make it a material of choice in a wide range of domestic, industrial and high technology applications. The electrolytic method is probably the most economical method for producing copper powder; moreover, the copper powder obtained from this method is the highest quality.

Copper powders have been used in industrial applications for many years. Probably the best known is the self-lubricating bearing which was the first major application and still accounts for about 70% of the copper powder used. Pure copper powder is used in the electrical and the electronics industries because of its excellent electrical and thermal conductivities. Copper in powder form is used in structural parts and friction materials.

The electrical industry claims a share of about 26%. The electronics and communications take another 30% share. With building construction (9%) and transportation (8%) added, the cumulative rises to about three-fourths. The other consuming sectors are engineering process and general (9%) and consumer durables (6%). Defence is also a substantial user. Another important consumer is handicrafts which is reported to consume close to 12% of copper in India.

The pioneer of copper production in India, the PSU, Hindustan Copper has charted a programme to undertake capacity expansion of 8 mines from 3.2 mntonne annually to 12.4 mntonne by end 2016-17. The projects involve an investment of USD 735 mn. Thus, as an entrepreneur this project offers an exciting opportunity to you.

Few Indian Major Players are as under

- Bimetal Bearings Ltd.
- G S Organics Ltd.
- Gleitlager (India) Ltd.
- Mepco Industries Ltd.

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