Copper Powder by Electrolytic Process


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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 cooper 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.
Market Outlook

The global copper market, which was valued at US$138.05 bn in 2014, is expected to exhibit a CAGR of 4.9% from 2015 through 2023. The market is thus projected to rise to US$ 171.96 bn by 2023.
## Copper Powder

### Demand: Past and Future

<table>
<thead>
<tr>
<th>Year</th>
<th>(In '000 Metric Tonne)</th>
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</thead>
<tbody>
<tr>
<td>1990-91</td>
<td>135</td>
</tr>
<tr>
<td>2000-01</td>
<td>288</td>
</tr>
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<td>2001-02</td>
<td>315</td>
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<td>2002-03</td>
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<td>2018-19</td>
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<td>2019-20</td>
<td>1725</td>
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<td>2024-25</td>
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## Market Growth Rates

<table>
<thead>
<tr>
<th>Period</th>
<th>Growth Rate</th>
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<tr>
<td>1990-91-2000-01</td>
<td>7.90%</td>
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<tr>
<td>2001-02-2006-07</td>
<td>11.50%</td>
</tr>
<tr>
<td>2006-07-2011-12</td>
<td>12.20%</td>
</tr>
<tr>
<td>2011-12-2019-20</td>
<td>7.50%</td>
</tr>
<tr>
<td>2019-20-2024-25</td>
<td>8.20%</td>
</tr>
</tbody>
</table>
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.
Few Indian Major Players are as under

- Bimetal Bearings Ltd.
- G S Organics Ltd.
- Gleitlager (India) Ltd.
- Mepco Industries Ltd.
# Project at a Glance

## COST OF PROJECT

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Existing</th>
<th>Proposed</th>
<th>Total</th>
<th>Particulars</th>
<th>Existing</th>
<th>Proposed</th>
<th>Total</th>
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<tr>
<td>Land &amp; Site Development Exp.</td>
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<td>475.00</td>
<td>475.00 Capital</td>
<td>Capital</td>
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<td>762.56</td>
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<td>1141.50</td>
<td>1141.50 Share Premium</td>
<td>Share Premium</td>
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<td></td>
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<td>Other Type Share</td>
<td>Other Type Share</td>
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<tr>
<td>Plant &amp; Machineries</td>
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<td>306.64</td>
<td>306.64 Capital</td>
<td>Capital</td>
<td>0.00</td>
<td>0.00</td>
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<td>Motor Vehicles</td>
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<td>15.00 Reserves &amp; Surplus</td>
<td>Reserves &amp; Surplus</td>
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<td>0.00</td>
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<td>121.00 Cash Subsidy</td>
<td>Cash Subsidy</td>
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<td>Technical Knowhow Fees &amp; Exp.</td>
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<td>Internal Cash Accruals</td>
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<td>0.00</td>
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<tr>
<td>Franchise &amp; Other Deposits</td>
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<td>0.00</td>
<td>0.00 Borrowings</td>
<td>Borrowings</td>
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<td>2287.69</td>
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<td>Preliminary &amp; Pre-operative Exp</td>
<td>0.00</td>
<td>3.50</td>
<td>3.50 Debentures / Bonds</td>
<td>Debentures / Bonds</td>
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<td>0.00</td>
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<tr>
<td>Provision for Contingencies</td>
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<td>30.00</td>
<td>30.00 Loans/Deposits</td>
<td>Loans/Deposits</td>
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<tr>
<td>Margin Money - Working Capital</td>
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<td>907.61</td>
<td>907.61</td>
<td>TOTAL</td>
<td>0.00</td>
<td>3050.25</td>
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## MEANS OF FINANCE

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<td>0.00</td>
<td>3050.25</td>
<td>3050.25 TOTAL</td>
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## Project at a Glance

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<thead>
<tr>
<th>Year</th>
<th>Annualised EPS</th>
<th>CEPS</th>
<th>Book Value Per Share</th>
<th>Debt Dividend Per Share</th>
<th>Retained Earnings Payout %</th>
<th>Probable Market Price</th>
<th>P/E Ratio</th>
<th>Yield</th>
<th>Price/Book Value %</th>
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<td>1-2</td>
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<td>9.81</td>
<td>17.41</td>
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<td>7.41</td>
<td>1.00</td>
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<td>2-3</td>
<td>9.89</td>
<td>12.02</td>
<td>27.30</td>
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<td>12.53</td>
<td>14.42</td>
<td>39.83</td>
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<tr>
<td>4-5</td>
<td>15.14</td>
<td>16.83</td>
<td>54.97</td>
<td>6.00</td>
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<td>100.0</td>
<td>15.14</td>
<td>1.00</td>
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<td>5-6</td>
<td>17.70</td>
<td>19.21</td>
<td>72.67</td>
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<td>0.00</td>
<td>100.0</td>
<td>17.70</td>
<td>1.00</td>
<td>0.00</td>
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## Project at a Glance

<table>
<thead>
<tr>
<th>Year</th>
<th>D. S. C. R.</th>
<th>Debt / Deposits Debt</th>
<th>Equity as-Equity Total Net Worth</th>
<th>Return on Net Worth</th>
<th>Profitability Ratio</th>
<th>Assets Turnover Ratio</th>
<th>Current Ratio</th>
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<tbody>
<tr>
<td></td>
<td>Individ (Number of times)</td>
<td>Cumulative (Number of times)</td>
<td>%</td>
<td>%</td>
<td>%</td>
<td>%</td>
<td>%</td>
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<tr>
<td>Initial</td>
<td>3.00</td>
<td>3.00</td>
<td>2627.71</td>
<td>5.70</td>
<td>4.69</td>
<td>1.10</td>
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<tr>
<td>1-2</td>
<td>1.41</td>
<td>1.41</td>
<td>1.38</td>
<td>1.38</td>
<td>6.43</td>
<td>3.48%</td>
<td>1.90%</td>
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<td>2-3</td>
<td>1.70</td>
<td>1.55</td>
<td>0.66</td>
<td>0.66</td>
<td>4.37</td>
<td>3.65%</td>
<td>2.20%</td>
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<tr>
<td>3-4</td>
<td>2.07</td>
<td>1.71</td>
<td>2.07</td>
<td>0.30</td>
<td>0.30</td>
<td>3.21</td>
<td>3.76%</td>
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<td>4-5</td>
<td>2.51</td>
<td>1.88</td>
<td>0.11</td>
<td>0.11</td>
<td>2.48</td>
<td>3.84%</td>
<td>2.64%</td>
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<td>5-6</td>
<td>3.05</td>
<td>2.07</td>
<td>0.00</td>
<td>0.00</td>
<td>1.99</td>
<td>3.90%</td>
<td>2.78%</td>
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</tbody>
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---

**Note:** The above table provides a summary of profitability ratios over different years, including Debt, Deposits, Equity, Total Net Worth, Return on Net Worth, GPM, PBT, PAT, Net Contribution, P/V Ratio, Assets Turnover Ratio, and Current Ratio.
## Project at a Glance

<table>
<thead>
<tr>
<th>BEP</th>
<th></th>
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<tbody>
<tr>
<td>BEP - Maximum Utilisation Year</td>
<td>5</td>
</tr>
<tr>
<td>Cash BEP (% of Installed Capacity)</td>
<td>43.44%</td>
</tr>
<tr>
<td>Total BEP (% of Installed Capacity)</td>
<td>46.28%</td>
</tr>
<tr>
<td>IRR, PAYBACK and FACR</td>
<td></td>
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<tr>
<td>Internal Rate of Return .. ( In %age )</td>
<td>31.11%</td>
</tr>
<tr>
<td>Payback Period of the Project is ( In Years )</td>
<td>2 Years 3 Months</td>
</tr>
<tr>
<td>Fixed Assets Coverage Ratio ( No. of times )</td>
<td>53.355</td>
</tr>
</tbody>
</table>
1. What is Copper Powder Production industry?

2. How has the Copper Powder Production industry performed so far and how will it perform in the coming years?

3. What is the Project Feasibility of Copper Powder Production Plant?

4. What are the requirements of Working Capital for setting up Copper Powder Production plant?
5. What is the structure of the Copper Powder Production Business and who are the key/major players?

6. What is the total project cost for setting up Copper Powder Production plant?

7. What are the operating costs for setting up Copper Powder Production plant?

8. What are the machinery and equipment requirements for setting up Copper Powder Production plant?
9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Copper Powder Production plant?

10. What are the requirements of raw material for setting up Copper Powder Production plant?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up Copper Powder Production plant?

12. What is the Manufacturing Process of Copper Powder Production plant?
13. What is the total size of land required for setting up Copper Powder Production plant?

14. What will be the income and expenditures for Copper Powder Production plant?

15. What are the Projected Balance Sheets of Copper Powder Production plant?

16. What are the requirement of utilities and overheads for setting up Copper Powder Production plant?

17. What is the Built up Area Requirement and cost for setting up Copper Powder Production Business?
18. What are the Personnel (Manpower) Requirements for setting up Copper Powder Production Business?

19. What are Statistics of Import & Export for Copper Powder

20. What is the time required to break-even of Copper Powder Production plant?

21. What is the Break-Even Analysis of Copper Powder Production plant?

22. What are the Project financials of Copper Powder Production plant?
23. What are the Profitability Ratios of Copper Powder Production plant?

24. What is the Sensitivity Analysis-Price/Volume of Copper Powder Production plant?

25. What are the Projected Pay-Back Period and IRR of Copper Powder Production plant?

26. What is the Process Flow Sheet Diagram of Copper Powder Production project?
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6.3. MARKET STRUCTURE

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8.4. TOTAL ASSETS
8.5. NET CASH FLOW FROM OPERATING ACTIVITIES
8.6. SECTION – I
  8.6.1. Name of Company with Contact Details
  8.6.2. Name of Director(S)
  8.6.3. Plant Capacity
  8.6.4. Location of Plant
8.6.5. Name of Raw Material (S) Consumed with Quantity & Cost

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8.7.2. Cash Flow

8.7.3. Cost as % ge of sales

8.7.4. Forex Transaction

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8.7.7. Income & Expenditure

8.7.8. Liabilities

8.7.9. Liquidity Ratios
8.7.10. Profitability Ratio
8.7.11. Profits
8.7.12. Return Ratios
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15. SUPPLIERS OF PLANT & MACHINERY

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- Plant Economics
- Production Schedule
- Land & Building

Annexure

1. Assumptions for Profitability workings
2. Plant Economics
3. Production Schedule
4. Land & Building

Factory Land & Building
Site Development Expenses

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• Plant & Machinery
  Indigenous Machineries
  Other Machineries (Miscellaneous, Laboratory etc.)

• Other Fixed Assets
  Furniture & Fixtures
  Pre-operative and Preliminary Expenses
  Technical Knowhow
  Provision of Contingencies

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  Raw Material
  Packing Material
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  Consumable Store
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  Royalty and Other Charges
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  Preference Share Capital
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- Gross Profit
- Financial Charges
- Total Cost of Sales
- Net Profit After Taxes
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<table>
<thead>
<tr>
<th>Annexure</th>
<th>Description</th>
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<tr>
<td>21</td>
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<td>22</td>
<td>Fuel Expenses</td>
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<td>23</td>
<td>Power/Electricity Expenses</td>
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<td>24</td>
<td>Royalty &amp; Other Charges</td>
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<td>Repairs &amp; Maintenance Expenses</td>
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<td>29</td>
<td>Depreciation Charges – as per Books (Total)</td>
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<td>Depreciation Charges – as per Books (P &amp; M)</td>
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<td>Depreciation Charges - as per IT Act WDV (Total)</td>
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<td>32</td>
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<td>Interest and Repayment - Term Loans</td>
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<td>34</td>
<td>Tax on Profits</td>
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<td>35</td>
<td>Projected Pay-Back Period and IRR</td>
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</table>
Reasons for buying our report:

• This report helps you to identify a profitable project for investing or diversifying into by throwing light to crucial areas like industry size, market potential of the product and reasons for investing in the product.

• This report provides vital information on the product like it’s characteristics and segmentation.

• This report helps you market and place the product correctly by identifying the target customer group of the product.

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• This report helps you understand the viability of the project by disclosing details like machinery required, project costs and snapshot of other project financials
• The report provides a glimpse of government regulations applicable on the industry
• The report provides forecasts of key parameters which helps to anticipate the industry performance and make sound business decisions
Our Approach:

- Our research reports broadly cover Indian markets, present analysis, outlook and forecast for a period of five years.
- The market forecasts are developed on the basis of secondary research and are cross-validated through interactions with the industry players.
- We use reliable sources of information and databases. And information from such sources is processed by us and included in the report.
The report titled “Market Survey cum Detailed Techno Economic Feasibility Report on Copper Powder” provides an insight into the Copper Powder market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Copper Powder project. The report assesses the market sizing and growth of the Indian Copper Powder Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line. And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:
• Good Present/Future Demand
• Export-Import Market Potential
• Raw Material & Manpower Availability
• Project Costs and Payback Period

We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in the Copper Powder sector in India along with its business prospects. Through this report we have identified Copper Powder project as a lucrative investment avenue.
Copper Powder Plant, Copper Powder Production, Production of Copper Powder, Electrolytic Preparation of Copper Powder, Copper Powder Manufacturing, How to Make Copper Powder, Production of Electrolytic Copper Powder, Process of Making Copper Powder, Electrolysis Process in Copper Powder, Electrolytic Methods for Production of Copper Powder, Preparation of Electrolytic Copper Powders, Process for Production of Copper Powder, Copper Powders Manufacture, Manufacturing of Copper Powder, Production of Copper Powder From Electrolytic Process, Copper Powder Manufacturing Plant, Production and Processing of Copper Powder, Copper Powder Manufacturing, Processing of Copper Powder, Copper Powder Manufacture in India, Copper Powder Industry, Copper Powder Making, Production Process of Copper Powder, Method of Production of Copper Powder, Copper Powder Production Methods, Report on Copper Powder Production, Manufacturing Process of Copper Powder, Process of Producing Copper Powder by Electrolytic Process, Profitable Copper Powder Production, Copper Powder Production Unit, Method of Producing Copper Powder by Electrolytic Process, Copper Powder Manufacture, Preparation of Copper Powder, Manufacturing Plant of Copper Powder, Manufacturing of Copper Powder by Electrolytic Process, Copper Powder Manufacturing Process, Copper Powder Manufacturing Business, Business Plans for Manufacturing of Copper Powder, Copper Powder Manufacturing Unit, Business Ideas for Production of Copper Powder,
Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on **Copper Powder by Electrolytic Process**


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Selection process starts with the generation of a product idea. In order to select the most promising project, the entrepreneur needs to generate a few ideas about the possible projects. Here’s we offer a best and easiest way for every entrepreneur to searching criteria of projects on our website www.entrepreneurindia.co that is “Instant Online Project Identification and Selection”
NPCS Team has simplified the process for you by providing a "Free Instant Online Project Identification & Selection" search facility to identify projects based on multiple search parameters related to project costs namely: Plant & Machinery Cost, Total Capital Investment, Cost of the project, Rate of Return% (ROR) and Break Even Point % (BEP). You can sort the projects on the basis of mentioned pointers and identify a suitable project matching your investment requisites.

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Contact us

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Take a look at NIIR PROJECT CONSULTANCY SERVICES on #StreetView

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Who are we?

- One of the leading reliable names in industrial world for providing the most comprehensive technical consulting services

- We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients’ in India & abroad
We at NPCS want to grow with you by providing solutions scale to suit your new operations and help you reduce risk and give a high return on application investments. We have successfully achieved top-notch quality standards with a high level of customer appreciation resulting in long lasting relation and large amount of referral work through technological breakthrough and innovative concepts. A large number of our Indian, Overseas and NRI Clients have appreciated our expertise for excellence which speaks volumes about our commitment and dedication to every client's success.
We bring deep, functional expertise, but are known for our holistic perspective: we capture value across boundaries and between the silos of any organization. We have proven a multiplier effect from optimizing the sum of the parts, not just the individual pieces. We actively encourage a culture of innovation, which facilitates the development of new technologies and ensures a high quality product.
What do we offer?

- Project Identification
- Detailed Project Reports/Pre-feasibility Reports
- Market Research Reports
- Business Plan
- Technology Books and Directory
- Industry Trend
- Databases on CD-ROM
- Laboratory Testing Services
- Turnkey Project Consultancy/Solutions
- Entrepreneur India (An Industrial Monthly Journal)
How are we different?

- We have two decades long experience in project consultancy and market research field.
- We empower our customers with the prerequisite know-how to take sound business decisions.
- We help catalyze business growth by providing distinctive and profound market analysis.
- We serve a wide array of customers, from individual entrepreneurs to Corporations and Foreign Investors.
- We use authentic & reliable sources to ensure business precision.
Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation
Who do we serve?

- Public-sector Companies
- Corporates
- Government Undertakings
- Individual Entrepreneurs
- NRI’s
- Foreign Investors
- Non-profit Organizations, NBFC’s
- Educational Institutions
- Embassies & Consulates
- Consultancies
- Industry / trade associations
Sectors We Cover

- Ayurvedic And Herbal Medicines, Herbal Cosmetics
- Alcoholic And Non Alcoholic Beverages, Drinks
- Adhesives, Industrial Adhesive, Sealants, Glues, Gum & Resin
- Activated Carbon & Activated Charcoal
- Aluminium And Aluminium Extrusion Profiles & Sections,
- Bio-fertilizers And Biotechnology
- Breakfast Snacks And Cereal Food
- Bicycle Tyres & Tubes, Bicycle Parts, Bicycle Assembling
Sectors We Cover

- Bamboo And Cane Based Projects
- Building Materials And Construction Projects
- Biodegradable & Bioplastic Based Projects
- Chemicals (Organic And Inorganic)
- Confectionery, Bakery/Baking And Other Food
- Cereal Processing
- Coconut And Coconut Based Products
- Cold Storage For Fruits & Vegetables
- Coal & Coal Byproduct
Sectors We Cover

- Copper & Copper Based Projects
- Dairy/Milk Processing
- Disinfectants, Pesticides, Insecticides, Mosquito Repellents,
- Electrical, Electronic And Computer based Projects
- Essential Oils, Oils & Fats And Allied
- Engineering Goods
- Fibre Glass & Float Glass
- Fast Moving Consumer Goods
- Food, Bakery, Agro Processing
Sectors We Cover

- Fruits & Vegetables Processing
- Ferro Alloys Based Projects
- Fertilizers & Biofertilizers
- Ginger & Ginger Based Projects
- Herbs And Medicinal Cultivation And Jatropha (Biofuel)
- Hotel & Hospitality Projects
- Hospital Based Projects
- Herbal Based Projects
- Inks, Stationery And Export Industries

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- Infrastructure Projects
- Jute & Jute Based Products
- Leather And Leather Based Projects
- Leisure & Entertainment Based Projects
- Livestock Farming Of Birds & Animals
- Minerals And Minerals
- Maize Processing (Wet Milling) & Maize Based Projects
- Medical Plastics, Disposables Plastic Syringe, Blood Bags
- Organic Farming, Neem Products Etc.
Sectors We Cover

- Paints, Pigments, Varnish & Lacquer
- Paper And Paper Board, Paper Recycling Projects
- Printing Inks
- Packaging Based Projects
- Perfumes, Cosmetics And Flavours
- Power Generation Based Projects & Renewable Energy Based Projects
- Pharmaceuticals And Drugs
- Plantations, Farming And Cultivations
- Plastic Film, Plastic Waste And Plastic Compounds
- Plastic, PVC, PET, HDPE, LDPE Etc.
Sectors We Cover

- Potato And Potato Based Projects
- Printing And Packaging
- Real Estate, Leisure And Hospitality
- Rubber And Rubber Products
- Soaps And Detergents
- Stationary Products
- Spices And Snacks Food
- Steel & Steel Products
- Textile Auxiliary And Chemicals

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Sectors We Cover

- Township & Residential Complex
- Textiles And Readymade Garments
- Waste Management & Recycling
- Wood & Wood Products
- Water Industry (Packaged Drinking Water & Mineral Water)
- Wire & Cable
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