Copper Sulphate is of topical interest in the sense that copper is important metal used in India from ancient times. Copper sulphate is widely used as fungicide in agricultural field. Therefore demand of copper sulphate directly depends upon the usage and development of agriculture in a country. In India, the total installed annual capacity of 43 technical grades of pesticides and fungicide is estimated at 148,000 tonnes. The Indian industry has been focusing on integrated crop management (ICM), increasing exports of genuine pesticides & fungicide and concentrating on farmer-friendly activities. With the global market rising, there are encouraging prospects for the Indian industry.
The pesticide industry is targeting a 10% share of global pesticides market and has been working on the ICM program to introduce safer applications, spray devices and crop protection through balanced use of biological and chemical pesticides. The exports cover pesticide intermediates. Pesticides and fungicide exports from India were growing at the rate of 15% and are expected to witness a more accelerated growth. Also, demand of copper sulphate is increasing rapidly for its use as a natural growth stimulant in animals, as well as in prevention of E.coli and listeria. The food-grade Copper Sulfate industry is a $1.2 billion industry growing at approximately 15% per year.
### PROJECT AT A GLANCE

#### COST OF PROJECT

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Existing</th>
<th>Proposed</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land &amp; Site Development Exp.</td>
<td>0.00</td>
<td>30.00</td>
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<tr>
<td>Buildings</td>
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<td>98.00</td>
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<td>Plant &amp; Machineries</td>
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<tr>
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<td>Technical Knowhow Fees &amp; Exp.</td>
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<tr>
<td>Franchise &amp; Other Deposits</td>
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<tr>
<td>Preliminary &amp; Pre-operative Exp.</td>
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<td>Provision for Contingencies</td>
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<td>Margin Money - Working Capital</td>
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### MEANS OF FINANCE

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<td>Long/Medium Term Borrowings</td>
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## PROJECT AT A GLANCE

<table>
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<tr>
<th>Year</th>
<th>Annualised Book Value</th>
<th>Debt</th>
<th>Dividend Per Share</th>
<th>Retained Earnings Per Share</th>
<th>Payout Probability</th>
<th>Market Price</th>
<th>P/E Ratio</th>
<th>Price/Book Value</th>
<th>Yield (%)</th>
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<tr>
<td></td>
<td>EPS Rs</td>
<td>CEPS Rs</td>
<td>Per Share Rs</td>
<td>Per Share Rs</td>
<td>%</td>
<td>Rs</td>
<td>%</td>
<td>Rs</td>
<td>%</td>
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<tr>
<td>1-2</td>
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<td>Year</td>
<td>D. S. C. R.</td>
<td>Debt / - Deposit</td>
<td>Equity as - Equity</td>
<td>Total Net Worth</td>
<td>Return on Net Worth</td>
<td>Profitability Ratio</td>
<td>Assets Turnover Ratio</td>
<td>Current Ratio</td>
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<td>-------------------</td>
<td>-------------------</td>
<td>-----------------</td>
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<td>--------------------</td>
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</tr>
<tr>
<td></td>
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<td>as Debt</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Number of times)</td>
<td>(Number of times)</td>
<td>%</td>
<td>%</td>
<td>%</td>
<td>%</td>
<td>%</td>
<td></td>
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<tr>
<td>Initial</td>
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<td></td>
<td></td>
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<tr>
<td>1-2</td>
<td>1.25</td>
<td>1.25</td>
<td>1.65</td>
<td>1.65</td>
<td>1.85</td>
<td>47.26%</td>
<td>14.75%</td>
<td>10.04%</td>
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<td>1.57</td>
<td>1.41</td>
<td>0.81</td>
<td>0.81</td>
<td>0.96</td>
<td>50.76%</td>
<td>22.10%</td>
<td>14.34%</td>
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<tr>
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<td>1.57</td>
<td>1.94</td>
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<td>0.37</td>
<td>0.48</td>
<td>53.14%</td>
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<td>2.39</td>
<td>1.75</td>
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<td>54.76%</td>
<td>30.77%</td>
<td>19.52%</td>
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<td>1.94</td>
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<td>0.00</td>
<td>0.07</td>
<td>55.85%</td>
<td>33.25%</td>
<td>21.03%</td>
<td>373.62</td>
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</table>
## PROJECT AT A GLANCE

<table>
<thead>
<tr>
<th>BEP</th>
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<tbody>
<tr>
<td>BEP - Maximum Utilisation Year</td>
<td>5</td>
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<tr>
<td>Cash BEP (% of Installed Capacity)</td>
<td>56.23%</td>
</tr>
<tr>
<td>Total BEP (% of Installed Capacity)</td>
<td>59.95%</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>IRR, PAYBACK and FACR</th>
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<tbody>
<tr>
<td>Internal Rate of Return .. ( In %age )</td>
<td>24.42%</td>
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<tr>
<td>Payback Period of the Project is ( In Years )</td>
<td>2.814 Years</td>
</tr>
<tr>
<td>Fixed Assets Coverage Ratio ( No. of times )</td>
<td>3.181</td>
</tr>
</tbody>
</table>
Table of Contents of the Project Report
1. District Profile & Geotechnical Site Characterization
   1.1. General
   1.2. Map
   1.3. Climate
   1.4. Economy
   1.5. Transportation Statistics
   1.6. Natural Resources

2. Introduction
   2.1. Copper Sulphate

3. Properties
   3.1. Chemical Properties
   3.2. Physical Properties
4. Material Safety Datasheet

5. Uses and Applications
   5.1. Dissolving Copper Sulphate
   5.2. Preparation of Bordeaux Mixture

6. Market Survey
   6.1. Availability of Copper in India

7. Export & Import Statistics Data of India
   7.1. Export Statistics Data for Copper Sulphate
   7.2. Import Statistics Data for Copper Sulphate
8. Raw Material Details
   8.1. Raw Materials:-
   8.2. Specification of Raw Material:
   8.3. Equipments:-
   8.4. Process Description:
   8.5. Effluent Generation:-

9. Manufacturing Process


11. Suppliers of Raw Material

12. Suppliers of Plant Machinery
13. Buyer’s
   13.1. Name of Company with Contact Details
   13.2. Name of Director(S)
   13.3. Plant Capacity
   13.4. Location of Plant
   13.5. Name of Raw Material(S) Consumed with Quantity & Cost

14. Toxicological Effects

15. Product & Machinery Photographs

16. Plant Layout
Project Financials

- Project at a Glance
- Assumptions for Profitability workings
- Plant Economics
- Production Schedule
- Land & Building
  Factory Land & Building
  Site Development Expenses

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

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

• **Working Capital Requirement Per Month**
  - Raw Material
  - Packing Material
  - Lab & ETP Chemical Cost
  - Consumable Store
• Overheads Required Per Month and Per Annum………………………………8
  Utilities & Overheads (Power, Water and Fuel Expenses etc.)
  Royalty and Other Charges
  Selling and Distribution Expenses

• Salary and Wages ………………………………………………………………………9

• Turnover Per Annum …………………………………………………………………10

• Share Capital…………………………………………………………………………11

  Equity Capital
  Preference Share Capital
• Annexure 1 :: Cost of Project and Means of Finance

• Annexure 2 :: Profitability and Net Cash Accruals

- Revenue/Income/Realisation
- Expenses/Cost of Products/Services/Items
- Gross Profit
- Financial Charges
- Total Cost of Sales
- Net Profit After Taxes
- Net Cash Accruals
• Annexure 3 :: Assessment of Working Capital requirements
  ▪ Current Assets
  ▪ Gross Working Capital
  ▪ Current Liabilities
  ▪ Net Working Capital
  ▪ Working Note for Calculation of Work-in-process

• Annexure 4 :: Sources and Disposition of Funds
• Annexure 5 :: Projected Balance Sheets
  ▪ ROI (Average of Fixed Assets)
  ▪ RONW (Average of Share Capital)
  ▪ ROI (Average of Total Assets)

• Annexure 6 :: Profitability Ratios
  ▪ D.S.C.R
  ▪ Earnings Per Share (EPS)
  ▪ Debt Equity Ratio
• Annexure 7 :: Break-Even Analysis

- Variable Cost & Expenses
- Semi-Variable/Semi-Fixed Expenses
- Profit Volume Ratio (PVR)
- Fixed Expenses / Cost
- B.E.P
• Annexure 8 to 11 :: Sensitivity Analysis-Price/Volume

- Resultant N.P.B.T
- Resultant D.S.C.R
- Resultant PV Ratio
- Resultant DER
- Resultant ROI
- Resultant BEP
• **Annexure 12 :: Shareholding Pattern and Stake Status**
  - Equity Capital
  - Preference Share Capital

• **Annexure 13 :: Quantitative Details - Output/Sales/Stocks**
  - Determined Capacity P.A of Products/Services
  - Achievable Efficiency/Yield % of Products/Services/Items
  - Net Usable Load/Capacity of Products/Services/Items
  - Expected Sales/ Revenue/ Income of Products/ Services/ Items
• Annexure 14 :: Product wise Domestic Sales Realisation
• Annexure 15 :: Total Raw Material Cost
• Annexure 16 :: Raw Material Cost per unit
• Annexure 17 :: Total Lab & ETP Chemical Cost
• Annexure 18 :: Consumables, Store etc.
• Annexure 19 :: Packing Material Cost
• Annexure 20 :: Packing Material Cost Per Unit
• Annexure 21 :: Employees Expenses
• Annexure 22 :: Fuel Expenses
• Annexure 23 :: Power/Electricity Expenses
• Annexure 24 :: Royalty & Other Charges
• Annexure 25 :: Repairs & Maintenance Expenses
• Annexure 26 :: Other Manufacturing Expenses
• Annexure 27 :: Administration Expenses
• Annexure 28 :: Selling Expenses
• Annexure 29 :: Depreciation Charges – as per Books (Total)

• Annexure 30 :: Depreciation Charges – as per Books (P & M)

• Annexure 31 :: Depreciation Charges – as per IT Act WDV (Total)

• Annexure 32 :: Depreciation Charges – as per IT Act WDV (P & M)

• Annexure 33 :: Interest and Repayment – Term Loans

• Annexure 34 :: Tax on Profits

• Annexure 35 :: Projected Pay-Back Period and IRR
Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on Copper Sulphate.

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http://goo.gl/BWPNIq
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Locate us on Google Maps
https://goo.gl/maps/BKkUtq9gevT2
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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
What do we offer?

- Project Identification
- Detailed Project Reports/Pre-feasibility Reports
- Market Research Reports
- Technology Books and Directory
- 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 Cont...

- 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 Cont...

- 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
Sectors We Cover

- 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
- 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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Fax: +91-11-23841561
Website: www.entrepreneurindia.co

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