

**Commissioner of Industries
Hyderabad
Andhra Pradesh**

Metasave

1. Nature Of The Product And Its Applications :

Metasave is basically a sulphuric acid pickling inhibitor. It is used for pickling of steel in sulphuric acid.

It is a unique inhibitor with no equals in the market. High molecular weight, multi-structural bonds and presence of localised electron density at active centres enables the product to be very superior in application, with proven inhibition efficiency of over 90% at all operating concentrations of acids and temperatures. It enables to reduce acid consumption by metal dissolution by 50%, dumped acid concentration by 50% and fume generation by 80% to 90%.

2. Market Potential :

Though there is tremendous demand for inhibitors in the market, the exact demand for metasave is difficult to estimate, without substantial effort in terms of desk research and field survey. However, because of the unique features, as mentioned above, the demand for the product is likely to increase once it is available commercially and at competitive rates.

3. Installed Capacity :

Installed capacity of the unit is 400 Ltrs per day. The unit is expected to work in 3 shifts per day and 300 working days per annum.

4. Raw Materials :

The major raw materials required are polymers of high molecular weight, Amine and thio compounds etc. All the raw materials are indigenously available.

5. Technology/Manufacturing Process :

Manufacturing process is developed by National Metallurgical Laboratory (NML), Jamshedpur. The process is licensed to one party in Jamshedpur and commercial operation is in progress.

Therefore, the process details were not divulged and kept as confidential.

For environmental considerations, no special measures are required except those usually adopted.

6. Plant & Machinery :

6.1 Major Equipments:

The major equipments required by the unit include tanks, stirrers, filtration assembly, vacuum pumps, weighing machines etc.

All these equipments are available indigenously. These are ideally suited to small scale industry.

6.2 Suppliers of Equipments:

1. Paramount Chem-Plas Equipment (P) Ltd.,
Tilak Road, Hyderabad - 500 001

2. Enfab,
C-2, II Floor, Shanti Niwas,
Mettuguda, Secunderabad - 17.

3. Chem Project Engineers
Plot No. B-35,
BHE-AIC, R C Puram,
Hyderabad - 500 032.

7. Location :

Availability of the raw materials is the main consideration for the location of the unit. The other factors are nearness to the market, infrastructure facilities and availability of cheap labour.

8. Infrastructure :

Manpower : 6 Nos.
Power : 10 HP

9. Cost of the Project and Means of Finance :

Cost of the Project:

| | Particulars | Rs. Lakhs |
|------------------------|---|-----------|
| a) | Land & Land development (600 Sq. Yds) | 0.60 |
| b) | Building & Civil construction (2000 Sq. ft) | 4.95 |
| c) | Plant and Machinery | 13.20 |
| d) | Miscellaneous Fixed assets | 0.25 |
| e) | Preliminary & Pre-operative Expenses | 0.83 |
| Total fixed capital | | 19.83 |
| Working Capital Margin | | 2.43 |
| Total Project Cost | | 22.26 |

Total working capital required in 1 year : Rs. 9.12 Lakhs

Means of Finance: (Rs. Lakhs)
- Promoter's Contribution : 9.37
- Term Loan : 12.89

10. Annual Operating Expenses :

Assumed Operation @ 80% of Installed Capacity in 3rd year:

| | Particulars | Rs. Lakhs |
|----|--------------|-----------|
| a) | Raw Material | 48.00 |

| | | |
|-------|---|--------------|
| b) | Packaging Material & Consumables | 2.01 |
| c) | Utilities | 0.88 |
| d) | Salaries & Wages - Prodn. | 1.51 |
| e) | Factory Overheads | 0.41 |
| f) | Admn. & Management Expenses | 2.17 |
| g) | Financial Expenses: Interest on Term Loan Interest on Working Capital | 1.56 1.65 |
| h) | Depreciation | 0.80 |
| i) | Selling Expenses | -- |
| 58.99 | | |

Net Sales realisation : Rs. 67.20 Lakhs

Pre-tax Profit : Rs. 8.21 Lakhs

- a) Break Even Point @ 80% Cap. Utilisation : 35.65%
- b) Rate of return on Investment before taxes : 36.88%