PRE - FEASIBILITY REPORT

PROPOSED EXPANSION FOR MANUFACTURING
OF DYSES & DYSES INTERMEDIATES
IN EXISTING UNIT

By

M/s. OM INTERCHEM
(Formally Known as Jay Chemical Industries)

Plot No: 1606/A, Phase-I, GIDC-Naroda,
Ahmedabad – 382330
## Index

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Description</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Executive Summary</td>
<td>3</td>
</tr>
<tr>
<td>2.</td>
<td>Introduction of the Project/Background information</td>
<td>5</td>
</tr>
<tr>
<td>3.</td>
<td>Project Description</td>
<td>6</td>
</tr>
<tr>
<td>4.</td>
<td>Site Analysis</td>
<td>12</td>
</tr>
<tr>
<td>5.</td>
<td>Planning Brief</td>
<td>14</td>
</tr>
<tr>
<td>6.</td>
<td>Proposed Infrastructure</td>
<td>15</td>
</tr>
<tr>
<td>7.</td>
<td>Rehabilitation and resettlement (R &amp; R) Plan</td>
<td>16</td>
</tr>
<tr>
<td>8.</td>
<td>Project Schedule &amp; Cost Estimates</td>
<td>17</td>
</tr>
<tr>
<td>9.</td>
<td>Analysis of Proposal (Final Recommendations)</td>
<td>18</td>
</tr>
</tbody>
</table>
1.0 Executive Summary

1.1 Project Details
M/s. Om Interchem proposes expansion for manufacturing Dyes & dyes intermediates at Plot No. 1606/A, Phase-I, GIDC-Naroda, Ahmedabad – 382330

1.1.1 Products along with Production Capacity
For detail of products & its capacity please refer Annexure-1 in Form-1

1.2 Raw Material Requirement
For detail of products & its capacity please refer Annexure-I in Form-1

1.3 Water Requirement, Waste Water Generation and Treatment
Total water requirement will be 19.5 KL/day (Existing: 2.750 KL/day + Additional: 16.75 KL/day) which will be met through GIDC water supply.
Total Ind. wastewater generation will be 10.5 KL/day (Existing: 1.5 KL/day + Additional: 9.0 KL/day).

Dilute Stream @ 1.5 KLD: From washing & boiler blow down section will be treated in ETP & sent to CETP (M/s. NEPL).

Concentrated Stream@9.0 KLD: From process will be sent to Common MEE facility (M/s. NEPL) after primary treatment in ETP for further treatment.

1.4 Air Pollution Source and Control Management
There will be emission from Boiler (1 Nos.) & Hot Air Generator Adequate air pollution control equipments i.e. Adequate stack height will be provided as APCM for FGE.

1.5 Hazardous Waste
The detail is referred as Annexure-5 in Form-1.

1.6 Green Belt
Total 898.46 m$^2$ land area is available at site; out of this 36.31 m$^2$ will be developed as greenbelt and other forms of greenery.
<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Description of Area</th>
<th>Approx. Area (m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Plant and machineries</td>
<td>392.00</td>
</tr>
<tr>
<td>2</td>
<td>Storage of Raw material (proposed)</td>
<td>20.00</td>
</tr>
<tr>
<td>3</td>
<td>Storage of product</td>
<td>81.00</td>
</tr>
<tr>
<td>4</td>
<td>Dryer Area</td>
<td>82.20</td>
</tr>
<tr>
<td>5</td>
<td>Open Area</td>
<td>110.00</td>
</tr>
<tr>
<td>6</td>
<td>Green belt</td>
<td>36.31</td>
</tr>
<tr>
<td>7</td>
<td>Office &amp; Lab Building</td>
<td>39.20</td>
</tr>
<tr>
<td>8</td>
<td>ETP Area</td>
<td>75.00</td>
</tr>
<tr>
<td>9</td>
<td>Staff Room</td>
<td>11.60</td>
</tr>
<tr>
<td>10</td>
<td>Watchmen Room</td>
<td>9.30</td>
</tr>
<tr>
<td>11</td>
<td>Hot-Air Boiler Shed</td>
<td>36.25</td>
</tr>
<tr>
<td>12</td>
<td>Sanitary Facility</td>
<td>5.60</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>898.46</strong></td>
</tr>
</tbody>
</table>

**1.7 Power & Fuel Requirements**

Power requirement will be 50 HP which will be taken from UGVCL.

Fuel:

Existing: Wood: 0.4 MT/Day

Proposed Total: White Coal/Briquettes 0.8 MT/DAY

OR

Natural Gas- 50 m³/Day
2.0 Introduction Of The Project/Background Information

2.1 Identification of the project and project proponent. In case of mining project, a copy of mining lease/letter of intent should be given.

Identification of the project
M/s. Om Interchem proposes expansion for manufacturing Dyes & dyes intermediates at Plot No. 1606/A, Phase-I, GIDC-Naroda, Ahmedabad – 382330

Identification of the project proponent
Mr. Vivek S. Agrawal (Partner)

2.2 Brief description of nature of the Project
Expansion for manufacturing Dyes & dyes intermediates

2.3 Need for the project and its importance to the country and or region
The demand for products intended to be manufacture is increasing in the country. By this expansion, unit will be able to meet the demand of various products internationally and locally. This will also generate direct and indirect employment opportunity for various levels of people.

2.4 Demands-Supply Gap
Based on our informal survey of the market with our current customers and various traders, we have found that there is a big potential for the range of the products we are planning. These products will be an addition to the current range of our group’s products.

2.5 Imports vs. Indigenous production
Based on the current cost of indigenous raw materials, it will make us very competitive against imported finished products and we will be able to increase the export of our finished products.

2.6 Export possibility
We shall export our products.

2.7 Domestic/Export Markets
Majority of the products will be sold in local market and some products will be exported.

2.8 Employment Generation (Direct and Indirect) due to project.
Unit will give direct employment to local people based on qualification and requirement. In addition to direct employment, indirect employment shall generate ancillary business to some extent for the local population.
3.0 Project Description

3.1 Type of Project including interlinked and interdependent projects, if any.

No interlinked project has been submitted.

Location (map showing general location, specific location and project boundary & project site layout) with coordinates.

- Map showing general location
Specific location and project boundary
Plot Layout
3.3 Details of alternate sites considered and the basis of selecting the proposed site, particularly the environmental considerations gone into should be highlighted.

Looking to the market demand of the products in International market, it was decided by unit to expand the existing facility. Over and above major raw material suppliers are available in this region and considering proximity to existing operational unit in Vatva GIDC, it was finally decided to expand the existing facility.

Major factors involved in the selection of site are listed below:

- Existing operational facility
- Site situated in Notified Industrial Estate.
- Site is well connected by road & Rail
- Proximity to raw material suppliers
- Availability of power and cleaner fuel - natural gas.
- Availability of water from GIDC water supply
- Availability of effluent CETP.
- Availability of common TSDF and common incineration sites within the estate.
- Availability of skilled workmen
- Proximity to city Ahmedabad, ensure access to already existing social and commercial infrastructure.

Modern infrastructure support and amenities at par in other global markets, including:

- Efficient transport facilities.
- Environment-friendly zone.
- Uninterrupted power supply.

3.4 Size or Magnitude of Operation

Please refer Section-1.1.1

3.5 Project Description with process details (a schematic diagram/flow chart showing the project layout, components of the project, etc. should be given)

Please refer Form-I, Annexure-3.
3.6 Raw Material required along with estimated quantity, likely source, marketing area of final product/s, mode of transport of raw material and Finished product.
For raw material required along with quantity; Please refer Form-I, Annexure-1. Majority of the products will be used for international market and some products will be sold in domestic market.

3.7 Resource optimization/recycling and reuse envisaged in the project, if any, should be briefly outlined.
Every effort will be put to recycle/reuse the water.

3.8 Availability of water its source, energy/power requirement and source should be given.
Water Source: Total water requirement shall met through GIDC water supply.

Power & Fuel Requirement
Please refer section-1.7

3.9 Quantity of wastes to be generated (liquid and solid) and scheme for their management/disposal.
Please refer Form-I, Annexure-5.
3.10 Schematic representations of the feasibility drawing which give information of EIA purpose.
4.0 Site Analysis

4.1 Connectivity
- Site situated in Notified Industrial Estate.
- Site is well connected by road & Rail
- Proximity to raw material suppliers
- Availability of power and cleaner fuel - natural gas.
- Availability of water from GIDC water supply
- Availability of effluent discharge CETP/MEE.
- Availability of common TSDF and common incineration sites within the estate.
- Availability of skilled workmen
- Proximity to Ahmedabad city ensure access to already existing social and commercial infrastructure.

4.2 Land Form, Land Use and Land Ownership
Shall be incorporated in EIA.

4.3 Existing land use pattern (agriculture, non-agriculture, forest, water bodies (including area under CRZ)), shortest distances from the periphery of the project to periphery of the forests, national park, wild life sanctuary, eco sensitive areas, water bodies (distance from HFL of the river), CRZ. In case of the notified industrial area, a copy of the Gazette notification should be given.

Shall be incorporated in EIA.

AREAS UNDER DIFFERENT LANDUSE
Shall be incorporated in EIA.

4.4 Existing Infrastructure
The proposed expansion is within the existing premises located in G.I.D.C., Vatva, Dist - Ahmedabad which is a well developed Industrial Area.

Total Plot Area = 898.46 m²
Green Belt = 36 m²

4.5 Soil Classification

4.6 Climatic data from secondary sources.
Shall be incorporated in the EIA Study.

4.7 Social infrastructure available.
Depending on the growth of the company the required social infrastructure will be provided.
5.0 Planning Brief

5.1 Planning Concept (type of industries, facilities, transportation etc) Town and Country planning/Development authority classification.

Type of Industry: Dyes & Dyes Intermediates manufacturing Industry

5.2 Population Projection
Shall be incorporated in the EIA Study.

5.3 Land use planning (breakup along with green belt etc.)
Total 898.46 m² land area is available at site; out of this 36 m² (i.e. 4 % of total area) will be developed as greenbelt and other forms of greenery.

5.4 Assessment of Infrastructure Demand (Physical & Social)
- Employment would be as per prevailing norms of state government for skilled and unskilled people for the proposed project activity.
- Social Welfare
- Cordial relation with the industry shall be established and representation shall be made to villagers for help for creation of facilities related to health, education, etc.

5.5 Amenities/Facilities
Details of amenities available in study area will be provided in EIA study
6.0 Proposed Infrastructure

Proposed Expansion is within the existing premises in Vatva GIDC.

6.1 Green Belt

Green belt will be developed in 36 m² Area of total area 898.46 m².

6.2 Social Infrastructure

Depending on the growth of the company the required social infrastructure will be provided.

6.3 Connectivity (Traffic and Transportation Road/ Rail/Metro/ Water ways etc)

Major factors involved in the selection of site are listed below:

- Site situated in Notified Industrial Estate.
- Site is well connected by road & Rail
- Proximity to raw material suppliers
- Availability of water from GIDC water supply
- Availability of effluent discharge i.e. (CETP /Common MEE)
- Availability of common TSDF and common incineration sites within the estate.
- Availability of skilled workmen

6.4 Drinking water Management (Source & Supply of water)

Total water requirement shall be met through GIDC water supply.

6.5 Sewerage System

Sewage pipes are laid in entire company for the removal and disposal of mainly non-harmful liquid wastes from the offices, canteen and domestic waste coming from different sections of the industry. These liquid wastes are sent to septic tank & soak pit.

6.6 Solid Waste Management

Please refer Form-I, Annexure-5.

6.7 Power Requirement & Supply/Source

Please refer Section 3.8 of this report.


7.0 Rehabilitation and Resettlement (R & R) Plan

7.1 Policy to be adopted (central/state) in respect of the project affected including home oustees, land oustees and landless laborers (a brief outline to be given)

There is no habitation on the proposed expansion project activity area and it is open industrial land which is purchased from GIDC for development of factory, so R & R policy is not applicable to this project.

There shall not be displacement of any population in project area. Any major activity that may lead to resettlement of the people is considered as permanent impact. Hence, there is no permanent impact on this account. The increasing industrial activity will boost the commercial and economic status of the locality up to some extent.
8. Project Schedule & Cost Estimates

8.1 Likely date of start of construction and likely date of completion (Time schedule for the project to be given).

All activities related to expansion shall be started soon after getting Environmental Clearance.

8.2 Estimated Project cost along with analysis in terms of economic viability of the project.

Total Project Cost for project activity is Rs.31 Lakhs.

Existing : 16 Lac

Proposed: 15 lac
9. Analysis of Proposal (Final Recommendations)

9.1 Financial and social benefits with special emphasis on the benefit to be local people including tribal population, if any, in the area.

- Employment would be as per prevailing norms of state government for skilled and unskilled people for the proposed project.

- Social Welfare shall be done.

- Cordial relation with the industry shall be established and representation shall be made to villagers for help for creation of facilities related to health, education, etc.