To,

M/s Maulik Dye-Chem,
F-50, Road No.3,
Madri Industrial Area,
Udaipur.

Sub: EC for proposed enhancement of Production of Sulphur black dye at M/s Maulik Dye Chem. Located at F-50, Road No.3, Mewar Industrial Area Udaipur-313001.

Sir,

This has reference to your application letter no. MDC/SB/2009-10/58 dated 10.09.09 seeking environmental clearances for the above project under EIA Notification 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification 2006 on the basis of the mandatory documents enclosed with the application viz. the questionnaire, EIA, EMP and additional clarifications furnished in response to the observation of the State Level Expert Committee Rajasthan, in its meetings held on 27/28.1.11 & 23.5.11.

2. Brief details of the Project:

1. Consultant

2. Item No. in the list of Schedule / Category:
   5 (f), B-1

3. Location of Industry:
   Located at F-50, Road No.3, Madri Industrial Area, Udaipur.

4. Total Area
   2,000 sq. yards.

5. Product & Capacity
<table>
<thead>
<tr>
<th>Product</th>
<th>Existing Capacity</th>
<th>Proposed Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulphur Black</td>
<td>7 Ton/Month</td>
<td>30 Ton/Month (100%)</td>
</tr>
<tr>
<td>Sulphur Black Liquid</td>
<td>---</td>
<td>30 MT/Month (50%)</td>
</tr>
<tr>
<td>Sodium Thio Sulphate</td>
<td>7 Ton/Month</td>
<td>45 Ton/Month</td>
</tr>
</tbody>
</table>

6. Expected Cost
   Rs. 18.00 Lacs

7. Water Requirement & Source:

<table>
<thead>
<tr>
<th>Purpose</th>
<th>PHED Supply</th>
<th>Tanker Supply</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drinking</td>
<td>0.2 KLD</td>
<td></td>
<td>0.2 KLD</td>
</tr>
<tr>
<td>Domestic</td>
<td>0.3 KLD</td>
<td></td>
<td>0.3 KLD</td>
</tr>
<tr>
<td>Process</td>
<td></td>
<td>2.0 KLD</td>
<td>2.0 KLD</td>
</tr>
<tr>
<td>Washing &amp; Cleaning</td>
<td></td>
<td>0.5 KLD</td>
<td>0.5 KLD</td>
</tr>
<tr>
<td>TOTAL</td>
<td>0.5 KLD</td>
<td></td>
<td>3.0 KLD</td>
</tr>
</tbody>
</table>

8. Fuel & Energy
   | Existing Plant           | 25 HP       |               |       |
   | Proposed Expansion       | 35 HP       |               |       |
   | Total (after expansion)  | 60 HP       |               |       |
   | D.G. sets-2 no. i.e. -20 KVA + 7.5 KVA, HSD = 25 LPD |       |
   | Diesel Requirement:      | -4 liters/day |             |       |

9. Environmental Management Plan:
   For the effective implementation of EMP, an Environment Management System (EMS) ISO 14001.2004 is been implemented at the industry. The EMS will cover the following areas of environment:
   (1) An Environment Management cell.
   (2) Environmental Monitoring Program.
   (3) Personal Training.
   (4) Regular Environmental Audits and Corrective Action.
   (5) Documentation-Standard operating procedures Environmental Management Plans and other records.
B. Cost of environmental protection measures. (Amount in Rs.)

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Description</th>
<th>Recurring Cost per annum</th>
<th>Capital Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Air Pollution Control</td>
<td>2000</td>
<td>2,00,000</td>
</tr>
<tr>
<td>2.</td>
<td>Water Pollution Control</td>
<td>1500</td>
<td>25,000</td>
</tr>
<tr>
<td>3.</td>
<td>Noise Pollution Control</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Environment Monitoring and Management</td>
<td>10000</td>
<td>25,000</td>
</tr>
<tr>
<td>5.</td>
<td>Occupational Health</td>
<td>2500</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>Green Belt</td>
<td>500</td>
<td>1000</td>
</tr>
<tr>
<td>7.</td>
<td>Others (Pl. Specify)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>16500</strong></td>
<td><strong>2,60,000</strong></td>
</tr>
</tbody>
</table>

3. The SEAC Rajasthan after due considerations of the relevant documents submitted by the project proponent and additional clarifications/documents furnished to it have recommended for Environmental Clearance with certain stipulations. The SEIAA Rajasthan after considering the proposal and recommendations of the SEAC Rajasthan hereby accord Environmental Clearance to the project as per the provisions of Environmental Impact Assessment Notification 2006 and its subsequent amendments, subject to strict compliance of the terms and conditions as follows:

i. As envisaged, the PP shall ensure the implementation of the commitments in respect of addressing Environmental and Social issues. The PP shall ensure providing 33% area of the total plant area under green cover; spending Rs. 2,60,000/- as initial capital cost and there after Rs. 16,500/- per year towards annual recurring cost for the environment protection programmes.

ii. After proposed expansion, the production capacity of the industry shall be limited to Sulphur Black -30 Tons per month (100%), Sulphur Black Liquid- 30 MT per month (50%) and Sodium Thio Sulphate-45Tons per month.

iii. Before undertaking the proposed expansion, the PP shall obtain prior Consent to Establish / Consent to Operate under Air Act and the Water Act from the RPCB. The PP shall comply with the conditions and directions given by the RPCB in the letter of CTE/CTO.

iv. Water consumption shall be limited to 100 KL per month (i.e. 3 KLD including 2.0 KLD for process) and source of water shall be PHED supply and Tanker supply.

v. For withdrawing ground water from bore wells, if any, prior approval from the Central Ground Water Authority shall be obtained.

vi. The PP shall achieve the stack emission standards and ambient air standards as notified under E.P. Act 1986, Rules made their under, and their subsequent amendments.

vii. The height of the stack for disbursement of the process emissions shall not be less than 30.00 meters. from ground level.

viii. The PP shall obtain the approval from the SE of JVVPNCL for the drawl/distribution scheme of electricity.

ix. The PP shall operate its unit with prior Consent to Establish and Consent to Operate under the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981, Rules made their under, and their subsequent amendments.

x. The particulate matter and gaseous emissions (SO\(_2\), NO\(_x\), CO, CO\(_2\), etc) from various processes/units/storages shall conform to the standards prescribed by the Rajasthan State Pollution Control Board /Central Pollution Control Board or under the Environment (Protection) Rules'86 from time to time.

xi. At no time, the emissions shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the units, the unit shall immediately put off operation and shall not restart until the control measures are rectified to achieve the desired efficiency.

xii. Ambient air quality monitoring stations shall be set up in the down wind direction as well as where maximum ground level concentration of PM\(_{10}\) & PM\(_{2.5}\), SO\(_2\), NO\(_x\), CO, CO\(_2\), are anticipated in consultation with Rajasthan State Pollution Control Board.

xiii. Portholes and sampling facilities shall be provided for the stacks emissions monitoring as per the CPCB guidelines. Stack emissions shall be monitored in consultation with RPCB.

xiv. Data on ambient air quality and stack emissions shall be submitted to RPCB, once in six months carried out by MOEF/NABLCPCB/ Govt approved lab.

xv. The PP shall provide separate drainage and outlets with the precaution that the storm water shall not come into contact with waste sludge.

xvi. The unit shall obtain proper authorization from Rajasthan State Pollution Control Board, if it generates any waste which falls under the purview of HWMHR-2008 (amended till date).

xvii. Handling, manufacture, storage and transportation of hazardous chemicals shall be in accordance with the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 (amended till date). PP shall carry out regular chlorine monitoring at the plant and provide a yearly statement on the preparedness of the chlorine leakage protection systems.
Adequate measures for the control of noise shall be taken so as to keep the noise levels below 85 dB (A) in the work environment. Persons working near the machines shall be provided with well-designed ear muffs/plugs and other personnel protective equipments.

Suitable alarm system and standard procedure for transmitting the information on the occurrence of an accident to the proper focal point shall be established.

Efforts shall be made to increase green belt all around the premises. Native plant species shall be selected for this purpose in consultation with the local Forest Department.

A qualified person in the field of environment or separate Environmental Management Cell to be established to implement and carry out various functions is set up under the control of a Senior Executive who will report directly to the head of the project.

The PP will ensure that no employee or worker remains on duty within the plant premises for more than 8 hours per day in one stretch. No residential facilities (even for security staff) within the factory premises will be provided.

The funds earmarked for the environmental protection measures shall be kept in separate account and shall not be diverted for other purposes and year wise expenditure shall be reported to the Rajasthan State Pollution Control Board under the rules prescribed for environmental audit.

As envisaged an amount of Rs. 30,000/- per year will be earmarked as voluntary commitment for taking up social responsibility through various activities to be undertaken by the project proponent particularly for socio economic upliftment activities of the area namely habitat, sanitation, health, education etc. Item wise break up in this regard may be submitted to RPCB at the time of applying for CTE/CTO.

Periodical medical check up of the workers shall be done in six months and records maintained.

The PP shall ensure taking necessary steps on urgent basis to improve the living conditions of the construction labour at site.

The PP shall ensure that, the EC letter as well as the status of compliance of EC conditions and the monitoring data are placed on Company’s website and displayed at the project site.

The SEIAA, Rajasthan reserve the right to add new conditions, modify/annual any condition and/or to revoke the clearance if implementation of any of the aforesaid condition/other stipulations imposed by competent authorities is not satisfactory. Six monthly compliance status reports on project along with implementation of environmental measures shall be submitted to MoEF’s Regional Office, Lucknow and RPCB.

Yours faithfully,

(Sankatha Prasad)
Member Secretary
SEIAA Rajasthan

Copy to following for information and necessary action:

1. Secretary, Ministry of Environment and Forest, Govt. of India, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi.
2. Principal Secretary, Environment Department, Rajasthan, Jaipur.
4. Shri R.S. Bhandari, Member, SEIAA Rajasthan, 2- Museum Road, Ram Niwas Bagh, Jaipur.
5. Member Secretary, Rajasthan State Pollution Control Board, Jaipur for information & necessary action and to display this sanction on the website of the Rajasthan State Pollution Control Board, Jaipur.
6. Secretary, SEAC Rajasthan.
8. IA- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.
9. Nodal Officer (Departmental Website), Department of Environment, Government of Rajasthan, Jaipur with the request to upload the copy of this environmental clearance on the website.

M.S. SEIAA (Rajasthan)