EXCECUTIVE SUMMARY

1.0 INTRODUCTION

M/s Surya Organics is proposing a Formaldehyde manufacturing unit of 200 TPD at Khasra No. 2//23, 8//3, 8//7, 8//8/1 Village: Sherpur, Tehsil: Shahzadpur, District Ambala-Haryana. Proposed project shall be established over the purchased land which is already under the possession of Project Proponent. The total land area for the proposed project is 8447.82 Sq. m. (10103.5 Sq. yard).

2.0 BASIC DETAILS OF THE PROJECT

Table No. 1.0: Project details

<table>
<tr><th>Particulars</th><th>Details</th></tr>
<tr><td>Nature and size of the Project</td><td>Formaldehyde Manufacturing Unit of 200 TPD at Khasra no. 2//23, 8//3, 8//7, 8//8/1 Village: Shrepur, Tehsil: Shahzadpur, Dist.: Ambala , Haryana.</td></tr>
<tr><td>Total Area</td><td>8447.82 Sq. m</td></tr>
<tr><td>SOI Topo-sheet No.</td><td>H43K15 & H43L3</td></tr>
<tr><td>Coordinates</td><td>
<table>
<tr><th>S.No.</th><th>Point</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>1</td><td>A</td><td>30°22’00.10"N</td><td>77°01'07.50"E</td></tr>
<tr><td>2</td><td>B</td><td>30°21’56.39"N</td><td>77°01'07.45"E</td></tr>
<tr><td>3</td><td>C</td><td>30°21’56.19"N</td><td>77°01'08.58"E</td></tr>
<tr><td>4</td><td>D</td><td>30°21’54.54"N</td><td>77°01'08.69"E</td></tr>
<tr><td>5</td><td>E</td><td>30°21’54.67"N</td><td>77°01'11.69"E</td></tr>
</table>
</td></tr>
<tr><td>Nearest Highway</td><td>NH-73 at distance of approx. 1.62 Km in West direction
NH-72 at distance of approx. 9.42 Km in North direction</td></tr>
<tr><td>Nearest Railway Station</td><td>Kesri Railway Station at a distance of 13.68 kms in SW direction.</td></tr>
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<table>
<tr><td>Nearest Airport</td><td>Patiala Airport is at a distance of 17.14 kms in SW direction.</td></tr>
<tr><td>National Park/Wildlife Sanctuary</td><td>No National Park/Wildlife Sanctuary within 10 km</td></tr>
<tr><td>Nearby water bodies</td><td>
<table>
<tr><th>Particulars</th><th>Distance (Km)</th><th>Direction</th></tr>
<tr><td>Begna River</td><td>1.68</td><td>E</td></tr>
<tr><td>Markanda River</td><td>8.90</td><td>SE</td></tr>
<tr><td>Amri River</td><td>2.03</td><td>East</td></tr>
<tr><td>Dhanana River</td><td>8.80</td><td>NW</td></tr>
</table>
</td></tr>
<tr><td>Nearest Densely Populated Area</td><td>Village Sherpur at a distance of 0.5 Kms towards South direction.</td></tr>
<tr><td>Project Cost</td><td>Rs. 7.0 Crores</td></tr>
<tr><td>EMP Budget</td><td>Rs. 30.67 lakhs</td></tr>
<tr><td>Cost of OH&S</td><td>Rs. 2.0 lakhs</td></tr>
<tr><td>Water (m^3/day)</td><td>150 KLD
Source: Groundwater</td></tr>
<tr><td>Manpower</td><td>It is estimated that total 20 persons will be required for the proposed project during operation phase. During construction phase local people will be hired.</td></tr>
<tr><td>D.G Sets & Transformer</td><td>200 kVA
Source: UHBVNL (Uttar Haryana Bijli Vitran Nigam Ltd)
2 D.G. Set: 180 & 250 kVA</td></tr>
</table>

3.0 PRODUCTION CAPACITY

Product	Capacity
Formaldehyde	200 TPD

4.0 RAW MATERIAL DETAIL

The major raw material is Methanol which comes in road through tankers from Kandla Port, Gujarat & stored in underground M.S tanks.

Raw Material	Total Requirement	Source	Transport
Methanol	92 TPD	Import	Tank Trucks

5.0 PROJECT BENEFITS

- The plant will help in providing employment in priority to local people.
- There will be an increase in indirect employment and earnings of the small time shop owners like tea vendors, transporters, etc.
- The Project proponent has planned to contribute in socio-economic development of the area.
- The easy availability of infrastructure, manpower, raw materials will reduce the production cost as well as demand supply gap.
- The development of greenbelt in and around the plant premises will improve on the aesthetics of the area. Moreover, it will help in reducing the noise levels within the plant boundary.

6.0 MITIGATION MEASURES FOR CONTROL OF POLLUTION

Air Pollution Control Measures

- Online Stack Monitoring System as an air pollution control measures to control the emission of particulate matter, the flue gas emission will remain well within gaseous emission norms prescribed by the CPCB.
- To control the air emissions from D.G. Set, stack height of 6.0 m shall be provided.
- Green belt will be developed on 51.65 % area of the total project area which will help in attenuating the pollutants emitted by the plant.

Noise Pollution Control

- Vibrating pads & acoustic enclosure will be provided to noise generating equipment to control noise level within norms.
- Latest technology and utmost care will be taken at the time of equipment/machinery installation.
- Lubrication of moving/rotating part or component of machineries will be done on regular basis.
- The operators working in the high-noise areas will be provided with ear-muffs or plugs.
- Acoustic enclosures and silencers will be provided to the equipment wherever necessary
- Proper green belt will be developed to reduce the noise level.
- Thus, it is envisaged that there will not be any adverse impacts of noise. The greenbelt developed within the premises will have significant beneficial impacts on reduction of noise within the periphery and outside the boundary.

Land Pollution Control

- The plant will implement zero liquid discharge concepts. The treated water will be recycled in the process. Therefore, there will not be any negative impact on soil.
- No toxic /waste water will be disposed directly on land.
- Other hazardous solid wastes will be sent to authorized recycler or vender.
- It is envisaged that there will not be any major impacts on land environment during the operation phase.

Solid & Hazardous Waste Generation and Disposal

- Used Oil generated will be sold to authorized recycler.
- Solid waste from evaporator will be sent to TSDF.
- All the Solid & hazardous waste generated, will be collected, stored separately and disposed off as per the guidelines issued by CPCB & Haryana State Pollution Control Board.

7.0 CONCLUSION

M/s Surya Organics has committed to implement all the pollution control measures to protect the surrounding environment. The project can definitely improve the regional, state and national economy. Industrial growth is an indication of socio-economic development. The implementation of this project will definitely improve the physical and social infrastructure of the surrounding area.