

# **EXECUTIVE SUMMARY**

**for**

**Proposed Composite Manufacturing Intermediates Industry**

**at**

**Plot No. 3, Sr. No. 6/1/1, Village Vilholi, Tal/ Dist Nashik –  
422010**

**Proposed By**

**Bhor Chemicals & Plastics  
Pvt. Ltd.**

**Consultant**

**MAHABAL ENVIRO ENGINEERS PVT.LTD.**

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## **ABBREVIATIONS**

<b>Short Form</b>	<b>Description</b>
R & D	Research and Development
NABL	National Accreditation Board For Testing and Calibration Laboratory
EIA	Environmental Impact Assessment
MoEF	Ministry of Environment and Forestry
EAC	Expert Appraisal Company
EC	Environmental Clearance
ToR	Terms of References
NABET	National Accreditation Board for Education and Training
MIDC	Maharashtra Industrial Development Corporation
MSEDCL	Maharashtra State Electricity Distribution Company Limited
MPCB	Maharashtra Pollution Control Board
IMD	Indian Meteorological Department
AAQ	Ambient Air Quality
PM	Particulate Matter
NO <sub>x</sub>	Nitrogen Oxides
CO	Carbon Monoxide

***Executive Summary for Bhor Chemicals & Plastics Pvt. Ltd.***

<b>Short Form</b>	<b>Description</b>
SO <sub>2</sub>	Sulphur Dioxide
NH <sub>3</sub>	Ammonia
O <sub>3</sub>	Ozone
Pb	Lead
C <sub>6</sub> H <sub>6</sub>	Benzene
BaP	Benzo Pyrene
As	Arsenic
Ni	Nickel
NAAQS	National Ambient Air Quality Standard
FAE	Functional Area Expert
IS	Indian Standards
EMP	Environmental Management Plan
CER	Corporate Environmental Responsibility
MCA	Maximum Credible Accident

## **EXECUTIVE SUMMARY**

### **INTRODUCTION:**

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**The Bhor Chemicals & Plastics Private Limited**, is established company registered under the Indian Company Act 1956, is being a world-class carbon fibre fabric manufacturer in India and speciality chemicals for composites having its head office is situated in Mumbai and AS 9100D certified Manufacturing and <sup>1</sup>R & D facilities as well as <sup>2</sup>NABL Certified Testing facilities. Bhor Chemicals has investment of Rs 65 Lakhs.

The plant is going to propose Polyamide Resin 6.5TPA, Poly benzoxazine 1.005TPA, Silicone Resin 5TPA, Acrylic Resin 120TPA, Epoxy Resin 30TPA, Phenolic Resin 2.5TPA, Polyurethane Resin 17TPA, Polyester Resin 2.5TPA, Polyimide 2TPA.

The Bhor Chemicals & Plastics Pvt Ltd is spread over **2000m<sup>2</sup>** of land. It is a leading supplier of carbon fibre products in India, our range of products and services are currently used in a wide variety of end-use applications such as Aerospace, Structural Strengthening and Rehabilitation, Automotive, Sports, Medical, Marine and Wind Energy. The industry also manufactures and supply a wide range of composite manufacturing kits for students, researchers, and enthusiasts. Industry also have NABL certified facilities for testing and characterization of Fiber Reinforced Plastic Products as well as Textile Materials and Polymers & Plastics.

The Company's manufacturing facilities is located at village Vilholi Dist/Tal Nashik in the state of Maharashtra, India, which is close to the Railway Station and airport. This will provide the company with easy access to the import & and export of the raw materials and finished goods in India.

The purpose of this **Environmental Impact Assessment <sup>3</sup>(EIA)** study is to provide information on the surroundings and the extent

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<sup>1</sup> R & D: Research and Development

<sup>2</sup> NABL: National Accreditation Board for Testing and Calibration Laboratory

<sup>3</sup> EIA: Environmental Impact Assessment



of environmental impact likely to arise on account of the proposed project.

## **PURPOSE OF STUDY**

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The proposed industry is listed under EIA Notification dated 14-09-2006 and as amended in December 2009 of Ministry of Environment and Forests <sup>4</sup>(MoEF), Government of India. As per this notification, the industry is categorized under Schedule 5(f), for Synthetic organic chemicals industry (Located outside the notified industrial area) and Category-A.

Industry will include new products like Polyamide Resin 6.5TPA, Poly benzoxazine 1.005TPA, Silicone Resin 5TPA, Acrylic Resin 120TPA, Epoxy Resin 30TPA, Phenolic Resin 2.5TPA, Polyurethane Resin 17TPA, Polyester Resin 2.5TPA, Polyimide 2TPA. All these products require Environmental clearance. As per EIA Notification 2006 and as amended in December 2009 Industry is not located within Industrial area. Hence it falls in category 'A' and required Public Hearing.

The industry has to follow the due course of procedure to secure Environmental Clearance including application to the Expert Appraisal Committee (<sup>5</sup>EAC) for <sup>6</sup>EC clearance, Terms of reference from MoEFCC for the conduct of EIA studies, and public hearing/consultations.

Accordingly, the project proponents have submitted a prescribed application along with the pre-feasibility report to the Expert Appraisal Committee (EAC). On 23<sup>th</sup> July 2023. the Terms of Reference letter dated 23<sup>rd</sup> July 2023 was published on the PARIVESH Portal.

Accordingly, EIA studies were conducted, and the report is prepared for submission to Authorities. The existing plant is situated in Vilholi Nashik since the project is outside the notified area of Govt of Maharashtra. Therefore, a public hearing is required

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<sup>4</sup> MoEF: Ministry of Environment and Forests

<sup>5</sup> EAC: Expert Appraisal Committee

<sup>6</sup> EC: Environmental Clearance

## ***Executive Summary for Bhor Chemicals & Plastics Pvt. Ltd.***

for this project. EIA report has been prepared as per Terms of references granted by MoEF & CC. The auto ToR has been generated.

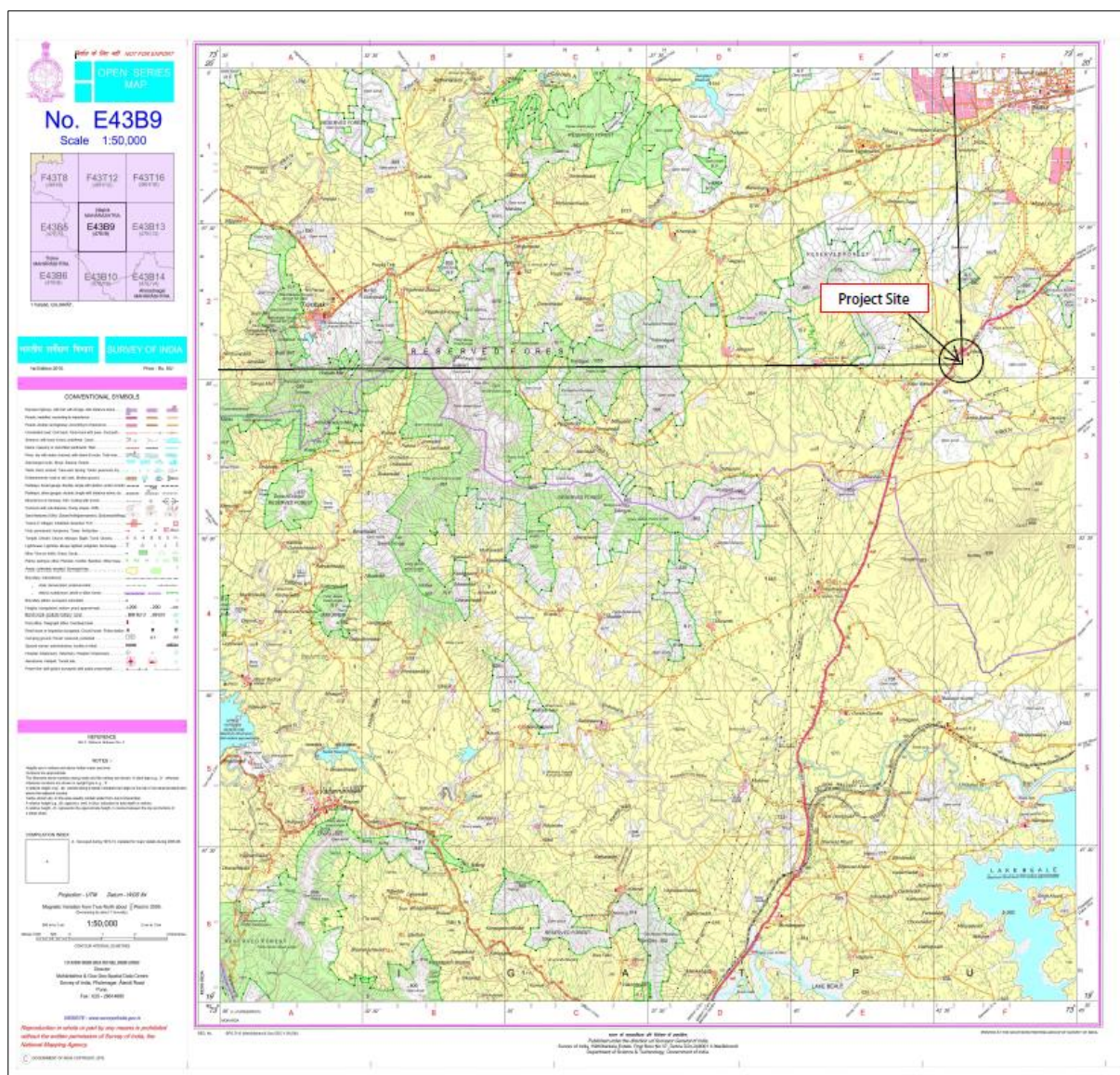
### **Extent of Study and Study Covered**

Keeping in view the nature of activities involved in the production of Synthetic organic chemicals and various environmental guidelines, the area covering a radial distance of about 10km from the site of the plant was selected as a study area for the purpose of formulating EIA.

To establish the baseline status of air, water, noise, land, and biological and socio-economic environment in the study area; extensive field studies have been undertaken during the winter season covering a period of 3 months from **March 2023 to June 2023**.



**Figure 1: Location map of Google Earth on kml**



**Figure 2: Toposheet map of Industry**

## **METHOD OF STUDY**

The present Environmental Impact Assessment (EIA) report is prepared considering model <sup>7</sup>ToRs for the proposed Synthetic Organic Industry. This Report is prepared based on the 'General Structure of EIA' given in Appendix III of EIA Notification dated 14<sup>th</sup> September 2006. The present environmental impact assessment report is prepared by **Mahabal Enviro Engineers Pvt. Ltd.** <sup>8</sup>NABET accredited EIA consultant organization for this category

<sup>7</sup> ToR: Terms of References

<sup>8</sup> NABET: National Accreditation Board for Education and Training



(Synthetic Organic Chemical Industry) considering mainly the risk assessment and the impacts due to project proposals on the surrounding environment.

## **TYPE OF PROJECT**

The proposed project falls under **Category 'A'** (Sr No. **5 (f)** of Schedule: 'Synthetic organic chemical industry (Located outside the notified industrial area)' as per MoEF notification dated 14th September 2006 in connection with **Environment (Protection) Rules 1986**

### **Specific Location and Connectivity**

**Table 1- Location details**

<b>Particulars</b>	<b>Information</b>
Name of the project	<b>Bhor Chemicals &amp; Plastics Pvt Ltd</b> Proposed Composite Manufacturing Intermediate Industry
Screening category	5 (f) A Category
Location details	Plot No. 3, Sr. No. 6/1/1, Village Vilholi, Tal/ Dist. Nashik - 422010
Project cost	Rs. 65 Lakhs
Name, contact and email ID of the projectproponent	<b>The Bhor Chemicals &amp; Plastics Pvt Ltd</b> Mr. Mayur K. Ramaiya) 9323211362 bhorchemicals1@gmail.com

### **Size or Magnitude of Operation**

The proposed products and their capacities are shown in **Table 2.**

**Table 2: Details of Proposed Production Capacity of product**

<b>Product Description</b>	<b>Proposed Capacity</b>	<b>Unit</b>
Polyamide Resin	6.5	TPA
Poly benzoxazine	1.005	TPA
Silicone Resin	5	TPA
Acrylic Resin	120	TPA
Epoxy Resin	30	TPA
Epoxy Resin	2.5	TPA
Phenolic Resin	17	TPA
Polyurethane Resin	2.5	TPA
Polyimide	2	TPA

### **Requirement of Resources**

#### **Land**

The proposed Bhor Chemicals & Plastics Pvt Ltd plant is located at Plot No.3 and Survey No. 6/1/1, Village Vilholi, Tal/Dist Nashik-422010, State- Maharashtra. The total plant area is about 2000 m<sup>2</sup>, which will be adequate for establishing the proposed project.

#### **Water Requirement and Source**

Total water consumption of after expansion of project will be **1.5 kld** for industrial & domestic purpose. Source of water is <sup>9</sup>MIDC (Government of Maharashtra Irrigation Department) has already sanctioned the same. **1** sewage will be generated. Domestic effluent

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<sup>9</sup> MIDC: Maharashtra Industrial Development Corporation

will be treated in dedicated septic tanks and will be disposed of in soak pit.

### **Power Requirement**

Power requirement of the project will be **0.16 MW**. Source of the power will be <sup>10</sup>MSEDCL.

### **Energy saving measures:**

Provision of Solar for street lighting, and common areas.

### **Details of stack**

There is no stack in the proposed project.

### **Man Power requirement**

During the operation phase about **21 people** will be employed.

## **WASTE GENERATION**

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### **Effluent Generation**

The sewage generation will be **0.9 kld**. Domestic effluent will be treated in dedicated septic tanks and will be disposed of in soak pit.

Water requirement and effluent generation for the proposed project is given in **Table 3**

**Table 3: Water requirement details**

<b>Sr</b>	<b>Details</b>	<b>Proposed</b>	<b>Unit</b>
1	Industrial Cooling, spraying in mine pits or boiler feed	0.00	m <sup>3</sup> /day
2	Domestic purpose	1.00	m <sup>3</sup> /day
3	Processing whereby water gets polluted & pollutants are easily biodegradable	1.50	m <sup>3</sup> /day

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<sup>10</sup> MSEDCL: Maharashtra State Electricity Distribution Company Limited

<b>Sr</b>	<b>Details</b>	<b>Proposed</b>	<b>Unit</b>
4	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00	m <sup>3</sup> /day
5	Gardening	0	m <sup>3</sup> /day

**Solid waste generation**

Details of Solid waste generation and its disposal methods are given in **Table 4**

**Table 4: Solid waste generation**

<b>Sr.</b>	<b>Solid waste</b>	<b>Proposed</b>	<b>Unit</b>	<b>Disposal</b>
1	Domestic Waste	10.5	Kg/day	Septic Tank to soak pit

**Table 5: Hazardous waste generation**

<b>Sr.</b>	<b>Hazardous waste</b>	<b>Proposed</b>	<b>Unit</b>	<b>Disposal</b>
1	Process residues	0.22	TPA	CHWTSDF
2	Process wastes, residues & sludges	0.3	TPA	CHWTSDF

**Table 6: Non-Hazardous waste generation**

<b>Sr.</b>	<b>Non-Hazardous waste</b>	<b>Proposed</b>	<b>Unit</b>	<b>Disposal</b>
1	Paper Scrap Corrugated Box	1500	Kg/Annum	Sale to authorized party

**Table 7: Battery waste generation**

<b>Sr.</b>	<b>Battery waste</b>	<b>Proposed</b>	<b>Unit</b>	<b>Disposal</b>
1	Batteries	0.005	TPA	Disposed through authorized recycler

**Table 8: Battery waste generation**

<b>Sr.</b>	<b>E waste</b>	<b>Proposed</b>	<b>Unit</b>	<b>Disposal</b>
1	Computer equipments (Keyboards, Mouse, & wires)	0.005	TPA	Disposed through authorized recycler
2	Computer screens	0.005	TPA	Disposed through authorized recycler
3	Calculators, Printers, & Telephones	0.005	TPA	Disposed through authorized recycler

## **COST AND TIME COMPLETION OF THE PROJECT**

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### **Cost of the project**

The total cost of the project will be Rs.65 Lakhs.

### **Time completion of the project**

After obtaining Environmental clearance and Consent to Establish from <sup>11</sup>MPCB, the company shall initiate and commissioning of the

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<sup>11</sup> MPCB: Maharashtra Pollution Control Board



proposed this Synthetic Organic Chemical manufacturing engineering industry.

## **BASELINE ENVIRONMENT**

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Keeping in view the nature of activities involved in the Chemical products and various environmental guidelines, the area covering a radial distance of about 10km from the site of the plant was selected as a study area for the purpose of formulating EIA.

To establish the baseline status of air, water, noise, land, and biological and socio-economic environment in the study area; extensive field studies have been undertaken during the winter season covering a period of 3 months from **March 2023 to June 2023**.

### **Meteorology**

The predominant wind direction is from **NW**. The wind velocity was mostly between 1.39 m/sec. Ground-based inversions and mixing height were also collected from <sup>12</sup>IMD (Indian Meteorological Department).

### **Ambient Air Quality**

Eight <sup>13</sup>AAQ monitoring stations were monitored. During the monitoring period, 24 hourly samples were collected twice a week and one hourly sample were taken on each monitoring day. It was observed that the average value for <sup>14</sup>PM<sub>10</sub> and all the values of PM<sub>2.5</sub>, NH<sub>3</sub>, <sup>15</sup>NO<sub>x</sub> and <sup>16</sup>CO during the monitoring period were well within the norms for Industrial, Residential, Rural and other areas.

### **Air Modeling-**

Atmospheric dispersion modelling involves mathematically simulating the dispersion of air pollutants in the atmosphere. Computer programs are employed to solve equations and

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<sup>12</sup> IMD: Indian Meteorological Department

<sup>13</sup> AAQ: Ambient Air Quality

<sup>14</sup> PM: Particulate Matter

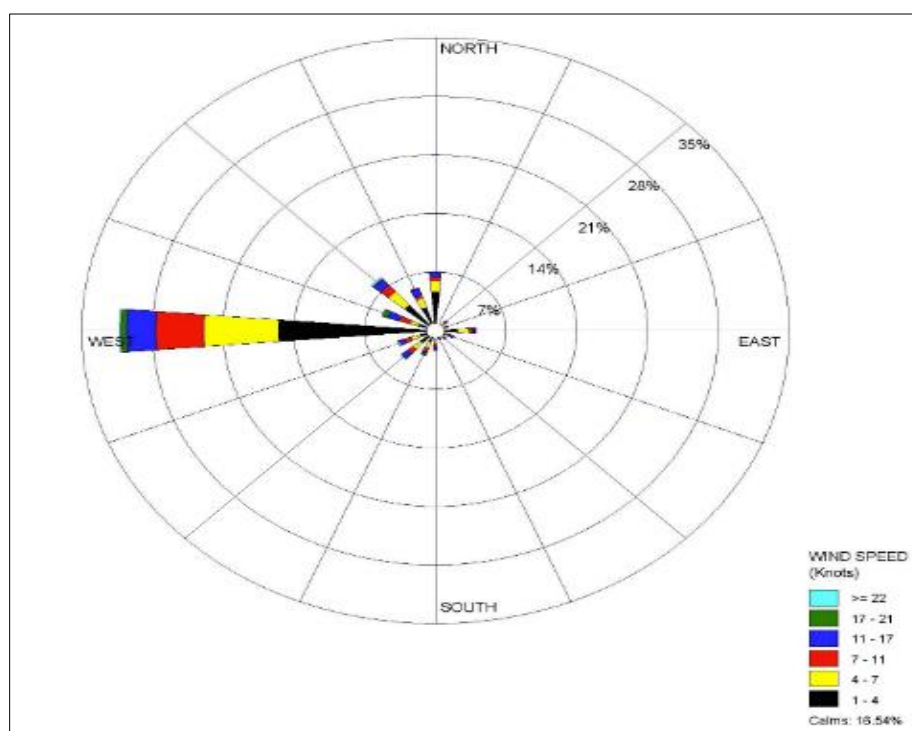
<sup>15</sup> NO<sub>x</sub>: Nitrogen Oxides

<sup>16</sup> CO: Carbon Monoxide

algorithms that simulate this dispersion, estimating the concentration of pollutants emitted into the air. These models primarily assess compliance with National Ambient Air Quality Standards (NAAQS) and aid in designing effective strategies for reducing harmful emissions.

### **ISCST term model**

The Industrial Source Complex Short Term-3 (ISCST-3) model, used by the US EPA for various air permitting applications, employs a steady-state Gaussian plume algorithm. It is designed to estimate ambient impacts from diverse sources up to approximately 50km. This model utilizes hourly meteorological data to determine plume rise, transport, diffusion, and deposition, providing concentration values for specific source-receptor combinations. Additionally, it calculates user-defined short-term averages based on the input meteorological data.



**Figure 3: Windrose diagram**

### **Water quality**

#### **Surface Water**

In order to assess the present water quality of the region, 4 surface water samples were collected and analysed for selected

environmental parameters viz. physical, inorganic, organic, and nutrient parameters and heavy metals. Surface water samples were taken from Swabhimani Boat Club, Waldevi Lake, Darana river point near Amro College of Hotel Management.

### **Ground Water**

Groundwater samples were collected from Project site and examined as per the expertise of <sup>17</sup>F AE and guidelines in standard ToR. The results of the analysis reveal that the values for all the parameters were within the acceptable limits prescribed in '**IS Standards for Drinking Water (<sup>18</sup>IS 3025:2004)**'.

This is concluding that the surface and groundwater in the study area are not polluted by any source during the study period.

### **Noise**

Eight noise monitoring locations were monitored. The monitoring results are within the CPCB Standards. The minimum noise level 44.8dB (A) and the maximum noise level 58.1dB (A) were observed at daytime, while minimum Noise level 40.1dB(A) and maximum 54.9dB (A) were observed at nighttime. The relative noise levels are within noise limit.

### **Soil Quality**

Eight soil sampling locations were selected. The samples were collected from different locations to obtain the representative soil strata in and around the project site within the study area using the standard procedure of sampling, and then the samples were analysed for relevant parameters. Soil qualities were assessed at 08 locations. The soil from the study area shows low to moderate fertility.

### **Biological Environment**

No wildlife of any sort is found within the study area. The fauna found in the area are of common variety and no endangered or threatened species are reported in the study area.

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<sup>17</sup> FAE: Functional Area Expert

<sup>18</sup> IS: Indian Standard

The common tree species observed are Ashoka, Mango, Sadaphuli, Banyan, etc. There are reportedly 320 species of birds existing in the study area. The most common birds observed at various places were house Crow, Sparrow, Myna, Dove, Bulbul, Pigeon etc.

### **Socio-Economic Environment**

The study of socio-economic aspects forms an integral part of the EIA studies. The demographic structure, population dynamics, infrastructure resources, health status of the community and economic attributes such as employment, industrial development, sustainability of the project etc. are taken into consideration for assessing the socio-economics status of the project.

## **ANTICIPATED ENVIRONMENTAL IMPACTS AND MITIGATION MEASURES IMPACTS DURING CONSTRUCTION PHASE**

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### **Impacts during operation phase**

Potential direct and indirect impacts of the project during the operation phase are the following.

#### **Impact:**

Air pollution affects humans; and may cause coughing or the irritation of the respiratory tract leading to asthma, and other chronic diseases, respiratory illness, bronchitis and even cancer. Skin problems and irritation may also develop due to air pollution.

Continuous Exposure of workers to high sound levels may result in annoying and distracting and can lead to hearing loss, high blood pressure, sleep disturbance and extreme stress.

#### **Mitigation measures:**

- Adequate capturing and conveying system will be provided.
- All equipment will be designed to ensure CPCB norms.
- Air monitoring will be done in the work zone to ensure the proper functioning of fugitive emission control facilities.
- To prevent fugitive dust, good housekeeping and concrete roads with speed restrictions on vehicle movement will be provided.

## ***Executive Summary for Bhor Chemicals & Plastics Pvt. Ltd.***

- Vehicles and machineries will be regularly maintained so that emissions are confirmed to be well within the applicable standards.
- Green belt will be developed all around the periphery of the plant premises for noise attenuation.
- Workers will be provided with adequate protective measures to protect them from inhaling dust.
- Transportation of solid waste will be done through covered truck.
- Workers exposed to noise level will be provided with protection devices like earmuffs as per present practice, and will be advised to use them regularly, while at work.

## **ENVIRONMENTAL MONITORING PROGRAMME**

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A detailed Environmental monitoring programme has been envisaged with the following objectives to ensure proper and effective implementation of the proposed mitigation measures

- To evaluate the performance of mitigation measures proposed.
- To evaluate the adequacy of Environmental Impact Assessment.
- To suggest improvements in environmental management plan, if required.
- To enhance environmental quality.
- To implement and manage the mitigating measures defined in EMP.

Environmental aspects like Meteorological data, monitoring, solid/hazardous wastes generation/utilization, green belt development, Noise, Effluent quality, Groundwater quality etc. will be monitored as per the details worked out in the Environmental Monitoring Programme. The Monitoring Plan specifies the parameters to be monitored, the Location of the monitoring sites, Frequency and duration of monitoring, Applicable standards, and responsibilities for implementation and supervision

## **ADDITIONAL STUDIES**

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The present project is of crucial importance for making it economically viable. At the same time, viable project will help long-term development of the region and the state. Risk Assessment and Socio-economic assessment were carried out. Overall, the project is going to improve the socio-economic condition of the area with negligible risk.

## **RISK ASSESSMENT & DISASTER MANAGEMENT PLAN**

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The risk assessment helps one in taking care of probable hazards on account of faulty/defective operations of various plants, machinery, equipment, etc. Such risk assessment proves helpful in foreseeing the risks involved in various operations to prevent the likely accidents.

### **Disaster Management Plan**

Disaster is an undesirable occurrence of events of such magnitude and nature, which adversely affects production and/or causes damage to the environment. Risk assessment forms an integral part of disaster management, and any realistic 'Disaster Management Plan' could only occur through a scientific risk assessment study and involves.

- Fire extinguishers at all the fire-prone sides will be provided.
- Mock drill will be carried out periodically for emergency preparedness.
- Effective communication systems at all parts of the plant will be maintained.
- On-site Disaster Management Plan will be placed. Regular Mock drills will be carried out to assess the efficiency of the On-site Disaster Management Plan.

## **ENVIRONMENTAL MANAGEMENT PLAN**

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19EMP helps to mitigate adverse impacts likely to arise out of the proposed project as well as the smooth functioning of the steel plant.

### **Management Policy**

#### **Air Environment**

They install comprehensive pollution control system, and all pollution control measures will be implemented in the factory. For the proposed project, adequate number of pollution control equipment will be provided to mitigate the impact on air. The air pollution control equipment are as follows:

- Breakdowns in the pollution control systems will strictly be avoided or provided with an arrangement such that process operation is synchronized.
- Effective maintenance is introduced to avoid any discontinuity in operation.
- Process operations will be smooth and controlled such that the gaseous load will not exceed the load permitted by MPCB at any point of time.
- Cleaning and sweeping of floors will be a regular feature.
- A Green Belt around the plant will reduce the air pollution and attenuation of noise.
- Water sprinkling will be carried out on haulage roads to prevent dust from rising

#### **Noise Environment**

The adverse impacts due to high noise are controlled by implementing various control measures as listed below:

- Regular monitoring of the noise levels will be done.

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<sup>19</sup> EMP: Environment Management Plan



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- Acoustic enclosures for noise-generating machines will be provided.
- Foundation of heavy machinery will be properly constructed to avoid noise due to vibrations.
- The operators' cabins (control rooms) will be provided with acoustically insulated special doors and observation windows.
- Noise attenuating devices like ear plugs and earmuffs will be provided to protect the workers from noise levels.
- The operators working in the High-Noise area will be strictly instructed to use earmuffs/ear plugs.
- Noise barriers in the form of additional trees will be recommended to be grown around administrative blocks, and other such units. A green belt around the plant area reduces the noise levels further

### **Water Environment**

For effective water pollution control, the following measures will be implemented:

- Flow measuring devices will be provided at various water intake points to have a precise quantitative assessment of the water consumption patterns.
- Regular monitoring and quantification of water requirements at various unit operations will be carried out with a view to devising remedial measures for reduction in freshwater consumption.
- Regular monitoring of inlet & outlet from soak pits as per norms and complete evaluation of the performance will be done regularly.
- Preventive maintenance of the water distribution system will be undertaken as a regular feature. All the pipeline/tap leakages will be promptly attended.



### **Land Environment**

The EMP for land environment is to scientifically utilize the capabilities of different plant species for attenuation of particulates as well as noise.

The particulates are the major pollutants for which commensurate afforestation and Green Belt development programme will be undertaken on priority.

### **Socio-Economic Environment**

Recommendations to improve the socio-economic environment are summarized below:

- Social welfare programs with reference to health, education, water use, income generation will be organized in the nearby villages.
- Proposed project creates employment opportunities to the local people present around the project site.
- At this stage, it is not possible to accurately determine the number of workers that will be employed on the site during the construction phase, but it is estimated that this number would be between 45 persons throughout the construction phase. These levels of short-term employment opportunities would have a positive impact on the local economy and on regional unemployment. During the operation phase, about 21 people will be employed.

**Green Belt**

**Table 9: Green Belt Details**

<b>Description</b>	<b>Existing</b>
Area proposed for greenbelt (in Ha)	0.066
Width of greenbelt (in m) along the boundary of project	3
Percentage of total area covered under greenbelt	33
No. tree samplings to be planted	132
Plantation of native species proposed in project area	Banyan, Subabul, Hibiscus, Gulab/Rose, Exora, Gulmohour, Ashoka, Neem, Palm, Tulsi, Khair.

**Table 10: Table for Environmental Management Plan**

<b>Sr. No.</b>	<b>Description</b>	<b>Proposed for Investment cost approximate considered (Amount in lakhs)</b>
1	Pollution Control equipments (there is no stack)	0.8
2	Rainwater Harvesting system	1.8
3	Green Belt Development	0.80
4	Water Pollution Control	0.9
5	Occupational health and safety	0.63
6	Storm water drains and fire Management	0.80

<b>Sr. No.</b>	<b>Description</b>	<b>Proposed for Investment cost approximate considered (Amount in lakhs)</b>
7	Environmental laboratory	0.50
	<b>Total</b>	6.23

## **CER ACTIVITIES**

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**Corporate Environmental Responsibility** (<sup>20</sup>CER) is the continuing commitment by businesses to behave ethically and contribute to economic development while improving the quality of life of the workforce and their families as well as of the local community and society at large.

Corporate Environmental responsibility isn't just about doing the right thing. It means behaving responsibly and dealing with suppliers who do the same. It also offers direct business benefits.

Building a reputation as a responsible business sets you apart. Companies often favour suppliers who have responsible policies. This is only because it can have a positive impact on how they are seen by their customers.

The Bhor Chemicals & Plastics Pvt Ltd is also be engaged in CER and their budget for these activities is around **Rs. 2 Lakhs**.

### **Occupational Health Measures**

- The Bhor Chemicals & Plastics Pvt Ltd have a full-fledged Environment Management Cell which will take care of the issue related to safety, health, and the environment.
- The on-site and off-site emergency plans shall be prepared keeping in view the proposed project

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<sup>20</sup> CER: Corporate Environmental Responsibility

➤ Adequate Fire-fighting system will be in place to combat the instances of accidental fire.

## **CONCLUSION**

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**The Bhor Chemicals & Plastics Pvt Ltd** is a producer of composite manufacturing intermediate such as Carbon Fiber Fabrics, Prepregs, Epoxy Resin Systems, and Pultruded Carbon Laminates. Project activity will not disturb the environmental setting because **The Bhor Chemicals & Plastics Pvt Ltd** has proposed necessary preventive and mitigation measures required for pollution prevention. The risk associated has been identified, risk assessment has been carried out, Maximum Credible Accident (<sup>21</sup>MCA) study is also done and recommendations of the same will be implemented to ensure safety. Moreover, an on-site emergency plan will be prepared to tackle the emergency when it arises.

Trees are planted and maintained. No Rehabilitation issue will be involved. There will not be problematic waste materials as all will be safely disposed of. Socio-economic benefits are expected due to the creation of direct/indirect employment. Moreover, due to the project other direct and indirect businesses will be benefited.

The Bhor Chemicals & Plastics Pvt Ltd. will take care that there should not be any kind of pollution from the operation of this project. It can be concluded on a positive note that after the implementation of the Mitigation Measures and Environmental Management Plan, the normal operation of the proposed unit of The Bhor Chemicals & Plastic Pvt Ltd, will have no negative impact on the environment and the proposed project merits grant of environment clearance.

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<sup>21</sup> MCA: Maximum Credible Accident