Cipla

Ref. No-CIPLA/EHS-ENV/KKB-II/24/2024 30.11.2024

Deputy Director General of Forests (Central),
West Central Zone,
Regional Office,
New Secretariate Building,
Opp. VCA Ground,
Civil Lines,
Nagpur-440 001.

Subject: Half Yearly Environment Clearance Compliance Report

Ref. No: Environment clearance No. J-11011/368/2006-IA-II(I) dated 31st July 2007.

Respected Sir,

With reference to the above subject, we are hereby submitting the six-monthly Environment clearance compliance report for the period of June-2024 to Nov-2024.

1. Point wise compliance to Environment clearance J-11011/368/2006-IA-II(I) dated 31st July 2007 as Annexure-1.

This is for your information.

Kindly acknowledge receipt of the same.

Thanking You,

Your's faithfully,

For Cipla Ltd.

Authorized Signatory

Encl: As Above.

Cipla Ltd.
(Export Oriented Unit), D-27, MIDC Industrial Area, Kurkumbh, Dist. Pune - 413 802.
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Regd. Office - Cipla House, Peninsula Business Park, Ganpatrao Kadam Marg, Lower Parel, Mumbai 400013, India.
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A report on the status of compliance towards observations/comments by Regional Officer (RO) MoEFCC Nagpur during a site visit of various conditions stipulated in EC granted by State Environment Impact Assessment Authority (SEIAA), Department of Environment, Maharashtra vide its EC Identification No. J-11011/368/2006-IA-II(I) dated 31st July 2007; For 320 MT Bulk Drugs & 2000 MNA Formulation Unit by Cipla Ltd. (Unit-II) located at Plot No. D-27, MIDC Kurkumbh, Tal.: Daund, Dist.: Pune, Maharashtra. compliance of same is presented in following table-

No.	Conditions as per EC dated 31.07.2007	Compliance Status as on date 01.06.2024
A.	**Specific Conditions**	
1	**Condition No.1** Benzene shall not be used as solvent. Use of toxic solvents like Methylene Chloride (M.C) etc. shall be minimized to the extent possible.	Noted. As informed Benzene is not being used as solvent neither it will be used in the future. Furthermore, wherever possible solvent is recovered through two-stage condensers provided to the reactors and 95% recovery is done.
2	**Condition No.2** Regular monitoring of all relevant parameters including HBr, HCl, NH_3, VOC, CO and HCs at various probable location in the ambient air, work zone and final vents shall be carried out & result submitted to the ministry.	The industry has regularly conducted monitoring of various Environmental Attributes viz. Ambient Air Quality, Scrubber area emissions, Stack Emission & Workplace monitoring through a MoEFCC & NABL-approved laboratory – Horizon ServicessAmbient Air Quality is being monitored at 4 locations viz. Near Main Gate, Near Pump House, Near Boiler House & near ETP Area for parameters PM_{10}, $PM_{2.5}$, SO_2, NOx & NH_3, etc. Stack emission monitoring done for parameters HCL, Dimethyl Sulphate, VOC, HCs at locations Scrubber No. 202 (API-I), Scrubber No. 201 (API-I), Scrubber No. 401 (API-2) & Scrubber No. 1 (ETP). Moreover, Tank Farm Vent monitoring has also been done by industry for parameters Methanol, Chlorine, HCL Acid Vapour, Ammonia, Benzene, Tolune, Acetonitrite, Dichloromethane, Xylene, Acetone. All parameters are well within the limits at all locations. Monitoring reports are enclosed at **Annexure - I**.
3	**Condition No.3** Fugitive emission of all relevant parameter in work zone area, product & raw material storage area and ambient air shall be carried out as per CPCB Guidelines. The emission shall conform to the limits imposed by the SPCB/CPCB.	To control process emissions released during the manufacturing process scrubbers are installed. The loading and unloading section of products and raw materials is also been provided with an ID Fan followed by Scrubbers for controlling the emissions released during the loading and unloading of the finished product and raw materials. The industry has constructed well-paved roads for the prevention of dust emissions. Further, the industry has regularly conducted monitoring of various Environmental Attributes viz. Ambient Air Quality, Scrubber area emissions, Stack Emission, & Workplace monitoring through a MoEFCC & NABL-approved laboratory – Horizon Servicess Monitoring reports are enclosed in **Annexure - I**. All parameters are well within the limits at all locations.
4	**Condition No.4**	

No.	Conditions as per EC dated 31.07.2007	Compliance Status as on date 01.06.2024
	The unit shall explore the possibility of sending the high calorific spent residue to the Cement Plant.	As per Consent to Operate (CTO) granted for HW generation as High calorific spent residue is forwarded to Common Hazardous Waste Treatment Storage & Disposal Facility (CHWTSDF) at Ranjangaon. Membership of CHWTSDF for disposal of hazardous Waste is already procured. Membership number is MEPL/33003270 dated 02.05.2023 valid up to 01.05.2028. The membership letter of MEPL, Ranjangaon is attached at **Annexure – II.**
5	**Condition No.5** Natural gas shall be used as fuel in the steam boiler & incinerator.	Two boiler of capacity 2 TPH each are installed on site, which is operated on PNG/LSHS. Natural Gas supply is not available at Kurkumbh MIDC, hence LSHS is used. As soon as supply of natural gas will be available in No incinerator is installed on site.
6	**Condition No.6** The bulk materials shall be stored in separate solvent tank farms and in MS/SS tanks.	Flammable/toxic chemicals are stored in drums & carboys. Dedicated storage area is provided to store such chemicals. Solvents barrels are stored in defined area with all safety measures like firefighting, alarms, flame proof electric fitting etc. Proper earthling has been provided to all electrical equipment. Also, Flame arresters & lightening arrestors are provided for the tank farm. Petroleum Explosive Safety Organization (PESO) license for storage of chemicals are granted. PESO license is Procured vide letter no. P/HQ/MH/15/5768 (P182874) dated 05.12.2017 (Valid upto 31.12.2027) is enclosed at **Annexure-III.**
7	**Condition No.7** The gaseous emissions (SO2, NOx, VOC, HC, HBr, NH3, CO & HCl) along with SPM, RSPM forms various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of the failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve desired efficiency.	The industry has regularly conducted monitoring of various Environmental Attributes viz. Ambient Air Quality, Scrubber area emissions, Stack Emission & Workplace monitoring through a MoEFCC & NABL-approved laboratory – Horizon ServicessAmbient Air Quality is being monitored at 4 locations viz. Near Main Gate, Near Pump House, Near Boiler House & near ETP Area for parameters PM_{10}, $PM_{2.5}$, SO_2, NOx & NH_3, etc. Stack emission monitoring done for parameters HCL, Dimethyl Sulphate, VOC, HCs at locations Scrubber No. 202 (API-I), Scrubber No. 201 (API-I), Scrubber No. 401 (API-2) & Scrubber No. 1 (ETP). HBr is not monitored as it is not used in manufacturing process. Moreover, Tank Farm Vent monitoring has also been done by industry for parameters Methanol, Chlorine, HCL Acid Vapour, Ammonia, Benzene, Tolune, Acetonitrilte, Dichloromethane, Xylene, Acetone. All parameters are well within the limits at all locations. Monitoring reports are enclosed at **Annexure - I**. In case of failure, the entire manufacturing process will get shutdown with immediate effect and shall not be restarted until the desired efficiency has been achieve.
8	**Condition No.8**	

No.	Conditions as per EC dated 31.07.2007	Compliance Status as on date 01.06.2024
	Regular monitoring of all relevant parameters in the ambient air shall be carried out. The location of ambient air quality monitoring stations shall be decided in consultation with state pollution control Board (SPCB) and at least one station shall be put in the downwind direction as well as where maximum ground level concentrations are anticipated.	Regular monitoring of ambient air quality for parameters namely PM_{10}, $PM_{2.5}$, SO_2, NOx, CO, etc. is carried out through a MoEFCC & NABL-approved laboratory – Horizon ServicessThe monitoring is carried out at 4 locations viz. Near Main Gate, Near Pump House, Near Boiler House & Near ETP Area. All parameters are well within the limits at all locations. Monitoring reports of AAQM & Stack Emissions are enclosed at **Annexure – I.**
9	**Condition No. 9** Two boilers, one incinerator & four DG Sets will be the main air pollution sources. The stacks with the boilers and incinerator shall be of 30 M height and DG set stack will be of 7.5 height. The incinerator & DG set will be fitted with a scrubber and muffler respectively with 100% efficiency. The SPM emissions from the boiler, Incinerator & DG Sets shall be 70-80, 50-70 & 40-50 mg/NM^3	Under existing unit, two boiler of capacity 2 TPH each are installed on site, which is operated on PNG/LSHS and common stack of 30 M is provided. Stack Emissions are enclosed at **Annexure – I.** HSD is used as fuel for the same & stack of 30 M is provided. One DG set of 1250 KVA capacity is provided on site and is operated only during power failure. Incinerator is not installed on site. Monitoring Reports of DG Set is attached at **Annexure – IV.**
10	**Condition No. 10** Dedicated scrubbers & stacks of appropriate height as per the Central Pollution Control Board guidelines shall be provided to control the emissions from various vents. The scrubbed water shall be sent to ETP for further treatment.	To control process emissions released during the manufacturing process scrubbers are installed. Scrubbers are provided in the API-I 201, 202, API-II & ETP Plant. Stack height attached to scrubber is 10 M. It is seen that the emission level does not go beyond the prescribed standards. Monitoring Reports are attached at **Annexure – I.** Stack emission monitoring done for parameters HCL, Dimethyl Sulphate, VOC, HCs at locations Scrubber No. 202 (API-I), Scrubber No. 201 (API-I), Scrubber No. 401 (API-2) & Scrubber No. 1 (ETP). The scrubbing media is i.e. water is treated in ETP & reused in process. Efficiency of scrubber is monitored regularly and maintained properly.
11	**Condition No.11** The solvent recovery shall be further increased up to 98% closed handling system for chemicals & solvents shall be provided. Magnetic seals shall be provided for pumps/agitators for reactors for reduction of fugitive emissions. Chilled Brine based condensers shall be used to prevent VOC emissions. Solvent traps shall be installed wherever necessary.	As far as solvent loss is concerned, following measures have already been followed by our industry. 1. Reactor are connected to chilled /brine water solution. 2. Reactor and solvent handling pump are provided with megnetic seals to prevent leakages. 3. The two stage condensers are provided with sufficient Heat Transfer Area (HTA) and residence time to achieve more than 95 % recovery. 4. Proper earthling has been provided to all electrical equipment. 5. Fire Arrester Breather valve on solvent storage tank area has been provided. 6. Nitrogen blanketing is provided to solvent storage tanks.

No.	Conditions as per EC dated 31.07.2007	Compliance Status as on date 01.06.2024
		7. All the solvent storage tanks are connected with vent condenser valve to prevent losses.
12	**Condition No.12** All venting equipment shall vapor recovery system. All the pumps and other equipment's where there is a likelihood of HC leakages shall be provided with Leak Detection And Repair (LDAR) system and LEL indicators and Hydrocarbon detectors. Provision for immediate isolation of such equipemt, in case of leakages shall also be made. The company shall provide a well defined Leak Detection & Repair (LDAR) programme for quantification & control of fugitive emissions. The detectors sensitivity will be in ppm levels.	The two stage condensers are provided to vents. Safety procedures for High-risk zones are defined and implemented, and close monitoring of the same is being followed. The entire plant operations are through Distributed Control System (DCS), hence continuously monitored and controlled for all aspects. Also, a Leak Detection And Repair (LDAR) system is installed at two locations (Drum Storage Area & Solvent Dispensing Area). Periodical calibration and testing are being carried out through a third party to ensure the operability. Also, LEL (Lower Explosive Limit) indicators are provided to the solvent storage area. Dedicated competent staff is hired to carry out daily checks on the leak detection system & DCS system.
13	**Condition No.13** The entire storage tanks will be under negative pressure to avoid any leakages, Breathers, N_2 blanketing & condenser will be provided for all the storage tanks.	All the storage tanks are kept under negative pressure to avoid leakages. Flame arrestors and Breather valves on solvent storage tank area has been provided. Foam added fire extinguisher is provided in case of spill & fire. All the solvent storage tanks are connected with vent condenser valve to prevent losses. Nitrogen blanketing is provided to solvent storage tanks.
14	**Condition No.14** Spent solvents shall be recovered as far as possible & recovery shall not be less than 98%. Solvent vapours emitted during purification process from purification tanks as fugitive emissions shall be reduced as far as possible. All the venting equipment shall have vapor recovery system.	In the industry premises, no any spent solvent is recovered. As being Bulk Drugs industry, reuse of recovered solvents in process is challenging. As there is possibility of impurities are present in the recovered solvents which can affect quality of final products safety and efficacy. Spent solvents generate in industry are sold to authorised party (M/s. Square Chemical) for recovery of solvents as per consent condition.
15	**Condition No. 15** Industry shall switch over to aqueous based coating film in place of use of in coating operation and non-halogenated solvents in place of halogenated solvents in a phased manner.	The industry is bulk drug manufacturing unit. No formulation activity is being carried out nor has any coating operations.
16	**Condition No. 16** No ground water shall be used for the project.	As per stipulated norms of MIDC, industries are not allowed to withdraw or recharge the groundwater within the premises. Ground water is not use as fresh water source in industrial premises. The Industry has been granted permission for freshwater withdrawal from MIDC. Water lifting permission is enclosed at **Annexure - V.**

<table>
<tr><th>No.</th><th>Conditions as per EC dated 31.07.2007</th><th>Compliance Status as on date 01.06.2024</th></tr>
<tr><td>17</td><td>Condition No. 17
The effluent generation should not exceed 355 M^3/Day. The wastewater generated from the plant will be segregated. The low COD, low TDS stream will be treated through Primary Treatment followed by Anaerobic lagoon and activated sludge followed by Tertiary treatment as pressure sand & activated charcoal filters followed by reverse osmosis. High TDS, high COD stream will be taken to liquid cum solid waste MEE system and high organic (high COD) stream will be incinerated. Biodegradable stream will be treated up to tertiary treatment. The treated effluent shall be recycled for use.</td><td>Effluent generated from existing activity is which is segregated in two streams viz. Stream-I (Low COD & Low TDS) & Stream-II (High COD & High TDS). Stream -I effluent is treated in ETP (primary, secondary, tertiary treatment followed by RO) & treated effluent is recycled back for cooling tower make-up. Thereby, achieving 'Zero Liquid Discharge' (ZLD). The stream-II effluent is treated in stripper, MEE followed by ATFD. The MEE condensate is treated in ETP & recycled back for cooling tower make-up. MEE Reject is forwarded to ATFD Plant – ATFD condensate is reused for cooling tower make-up. Also, ATFD salt is forwarded to CHWTSDF.</td></tr>
<tr><td>18</td><td>Condition No. 18
About 250 MT/Y of plastic, Glass, Ferrous & other scraps will be generated from the project which will be sold off. Used/spent oil, spent solvents, spent catalyst/ Spent Carbon, Date expired, discarded and off-specifications drugs/ medicines, spent mother liquor, spent organic solvents, discarded containers/barrels/liners/used for hazardous wastes/ chemicals, chemical sludge, oil & grease skimming residue from ETP, sludge from wet scrubbers, ash from incineration of hazardous waste and flue gas cleaning residues will be the hazardous waste generated from the project. These shall be either incinerated or sold out to authorized re-processors.</td><td>Details of Solid Waste & Hazardous Waste generated in industrial premises are mentioned below :

a. Non-Hazardous Waste:
<table>
<tr><th>No.</th><th>Type of waste</th><th>Quantity (MT/A)</th><th>Disposal</th></tr>
<tr><td>1</td><td>Wooden Scrap, Glass scrap, Plastic Scrap, Metal Scrap</td><td>125</td><td>Sale to Authorized Party</td></tr>
</table>
The same is sold to the re-processor – M/s. Navkar Recycling.

b. Hazardous Waste :
<table>
<tr><th>No.</th><th>Description</th><th>Cat.</th><th>QTY.</th><th>Disposal</th></tr>
<tr><td>1</td><td>Used / Spent Oil</td><td>5.1</td><td>0.2 KL/M</td><td rowspan="4">Sale to authorized party/ CHWTSDF</td></tr>
<tr><td>2</td><td>Spent Organic Solvents</td><td>28.6</td><td>377.7 KL/M</td></tr>
<tr><td>3</td><td>Spent catalyst</td><td>28.2</td><td>0.03 MT/M</td></tr>
<tr><td>4</td><td>Empty Barrels/ Containers/ Liners contaminated with hazardous chemicals / watse</td><td>33.1</td><td>200 No./M</td></tr>
<tr><td>5</td><td>Date-expired products</td><td>28.5</td><td>1 MT/M</td><td rowspan="3">CHWTSDF</td></tr>
<tr><td>6</td><td>Concentration or evaporation residues</td><td>37.3</td><td>48 MT/M</td></tr>
<tr><td>7</td><td>Process residue and waste</td><td>28.1</td><td>30 MT/M</td></tr>
</table></td></tr>
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<table>
<tr><th>No.</th><th>Conditions as per EC dated 31.07.2007</th><th>Compliance Status as on date 01.06.2024</th></tr>
<tr><td></td><td></td><td>
<table>
<tr><td>8</td><td>Off specification products</td><td>28.4</td><td>0.5 MT/M</td></tr>
<tr><td>9</td><td>Chemical sludge from waste water treatment</td><td>35.3</td><td>15 MT/M</td></tr>
<tr><td>10</td><td>Spent Carbon</td><td>28.3</td><td>0.095 MT/M</td></tr>
<tr><td>11</td><td>Sludge from wet scrubber</td><td>37.1</td><td>0.025 MT/M</td></tr>
</table>

Generated hazardous waste is forwarded to CHWTSDF, Ranjangaon or Authorized Party (viz. 1. Square Chemical & 2. Navgire Petrochemical). Membership of CHWTSDF for disposal of hazardous Waste is already procured. Membership number is MEPL/33003270 dated 02.05.2023 valid up to 01.05.2028. Copy of membership is enclosed at Annexure - II. HW annual returns is attached at Annexure – VI.
</td></tr>
<tr><td>19</td><td>Condition No. 19
The unit shall install their own incinerator for incineration of Hazardous waste or send it to Mumbai Waste Management, Taloja. The incinerator shall meet the CPCB standards & guidelines. Emissions from the incinerators shall be within the prescribed norms for the incinerators. Monitoring protocol as prescribed in their standards shall be followed.</td><td>Incinerator is not installed in the industry premises. Generated hazardous waste is forwarded to CHWTSDF, Ranjangaon or Authorized Party (viz. 1. Square Chemical & 2. Navgire Petrochemical). Membership of CHWTSDF for disposal of hazardous Waste is already procured. Membership number is MEPL/33003270 dated 02.05.2023 valid up to 01.05.2028. Copy of membership is enclosed at Annexure - II. HW annual returns is attached at Annexure – VI.</td></tr>
<tr><td>20</td><td>Condition No. 20
5.5 Ha of the area shall be developed as green belt as per the CPCB Guidelines.</td><td>The total plot area of Cipla Ltd. (Unit - II) is 16 Ha. Industry has developed green-belt to the tune of 3.71 Ha (23.2%) where under 4,970 Nos. of trees are planted in industrial premises. As per the DoE & MoEFCC guidelines, the GB to the tune of 33% of TPA is required to be developed. However, no open area is available on the existing industry plot. As such, the PP decided to implement the GB on a new land parcel preferably in the vicinity of the industrial plot. Therefore M/s. Cipla Ltd. has purchased a new land parcel at Gat No. 182 and at a distance of 3.7 Km from its existing plot 1.58 Ha in the Roti village of Daund taluka. This land has been solely acquired for GB development. Therefore total green belt area will be 5.29 Ha which is 33 % of the total plot area (16 Ha). Under the new land, Miyawaki plantation of native and indigenous trees will be done. The timeline for the GB development in the new land in phase wise manner Dec. 2024 & Budget allocated for the same Rs. 1 Cr. Now, the site preparation for plantation of GB is done. Photographs of existing green belt in the industry premises, site preparation for Miyawaki plantation & proposed green belt plan are enclosed in Annexure – VII.</td></tr>
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<tr><th>No.</th><th>Conditions as per EC dated 31.07.2007</th><th>Compliance Status as on date 01.06.2024</th></tr>
<tr><td>21</td><td>Condition No. 21
The project authorities shall earmark seperate funds of Rs. 4 Cr. For Environment Control & adequate funds every year as O&M cost of pollution control system & to implement the conditions stipulated by the Ministry of Environment and forest as well as the state government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.</td><td>Industry has earmarked capital cost of Rs. 840 Lakhs & the recurring cost (O & M) is 190 Lakhs. The industry hereby assure that funds earmarked for the environmental protection measures shall not be diverted for other purposes Details are given in following table –
<table><tr><th>No</th><th>Description</th><th>Capital (Rs. Lakhs)</th><th>O & M/A (Rs. Lakhs)</th></tr><tr><td>1</td><td>Air Pollution Control: Stack & Scrubbers</td><td>300</td><td>10</td></tr><tr><td>2</td><td>Water Pollution: ETP, MEE, ATFD & OCMS to ETP</td><td>400</td><td>150</td></tr><tr><td>3</td><td>Noise Pollution: Insulation, Isolation, Attenuation Infrastructure, PPEs</td><td>20</td><td>5</td></tr><tr><td>4</td><td>Occupational Health and Safety</td><td>50</td><td>10</td></tr><tr><td>5</td><td>Green Belt Development & Rain Water Harvesting</td><td>55</td><td>10</td></tr><tr><td>6</td><td>Environmental Monitoring and Management</td><td>15</td><td>5</td></tr><tr><td></td><td>Total</td><td>Rs. 840</td><td>Rs. 190</td></tr></table></td></tr>
<tr><td>B.</td><td>General Conditions</td><td></td></tr>
<tr><td>1</td><td>Condition No.1
The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board.</td><td>Industry is strictly following the stipulations made by Central Pollution Control Board (CPCB), State Pollution Control Board (SPCB) and any other statutory authority.</td></tr>
<tr><td>2</td><td>Condition No.2
No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forest. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.</td><td>No expansion or modifications in the plant will be carried out without prior approval of the Ministry of Environment Forests and Climate Change (MoEFCC). Whenever there is any plan of expansion/modifications, the protocol as per EIA Notification, 2006 and the latest amendments will be followed.</td></tr>
<tr><td>3</td><td>Condition No.3
At no time, the emissions shall exceed the prescribed limits. In the event of</td><td>Under existing unit, two boilers of capacity 2 TPH each are installed on site which is operated on PNG/LSHS and common</td></tr>
</table>

No.	Conditions as per EC dated 31.07.2007	Compliance Status as on date 01.06.2024
	failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation & shall not be restarted until the desired efficiency has been achieved.	stack of 30 M is provided. One DG sets of 1250 KVA capacity is provided on site and is operated only during power failure. All pollution control equipment are connected to DG set. Hence, during power failure, control equipment is continuously in operation. In event of failure/shut down, the entire manufacturing process will get shutdown with immediate effect and shall not be restarted until the desired efficiency has been achieved. Pollutants like SPM, SO_2, NO_x, CO_2 and CO are monitored through a MoEFCC & NABL-approved laboratory – Horizon ServicessTo control process emissions released during the manufacturing process scrubbers are installed. Stack emission monitoring done for parameters HCL, Dimethyl Sulphate, VOC, HCs at locations Scrubber No. 202 (API-I), Scrubber No. 201 (API-I), Scrubber No. 401 (API-2) & Scrubber No. 1 (ETP). The industry has constructed well-paved roads for the prevention of dust emissions. Stack emission, Fugitive & process emissions are regularly monitored in the industry. The monitoring is done by NABL accredited laboratory- Horizon ServicessRecords of monitoring reports are maintained on site. All parameters are well within the limits at all locations. Monitoring reports are enclosed at **Annexure - I.**
4	**Condition No.4** The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	The overall noise levels in and around the plant area are maintained within the standards prescribed under the Environment (Protection) Act, 1986, 1989 Rules. All preventive measures such as regular operation & maintenance of pumps, motors, and compressors are carried out and enclosures are provided to abate noise levels at the source. Workers working in noisy areas are provided with personal protective equipment such as ear plugs, ear muffs, etc. Ambient and Work-zone noise monitoring is periodically carried out to check noise levels in and around industrial premises and noise control is done through acoustic enclosures. Noise levels are being monitored at 4 locations each for ambient and work zones. The noise levels are conformed as per prescribed standards i.e. 75 dB (A) during day time and 70 dB (A) during night time. Monitoring reports of noise monitoring are enclosed in **Annexure - VIII.**
5	**Condition No. 5** The project authorities shall strictly comply with the provisions made Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in 2000 for handling of hazardous chemicals. Necessary approvals form Chief Controller of Exploives must be obtained before commissioning of the expansion project. Requisite on-site & off-site Disaster Management Plans will be prepared and implemented. Regular mock drills shall be carried out for both	Adequate provisions are made for storage and handling of hazardous chemicals. The hazardous chemicals are stored in tanks & drums as per the MSIHC rules. Also, industry have prepared On-site emergency management plan. Petroleum Explosive Safety Organization (PESO) license for storage of chemicals are granted. PESO license is Procured vide letter no. P/HQ/MH/15/5768 (P182874) dated 05.12.2017 (Valid upto 31.12.2027) is enclosed at **Annexure- III.** Moreover, Mock drills are being carried out once in six months. Latest mock drill was conducted in 13.02.2024. Safety audit was conducted in 16.11.2022. Different types of Hazardous wastes are generated from the industry is being sent to CHWTDF- MEPL (Maharashtra Enviro Power Ltd.) Ranjangaon, Pune. Industry

No.	Conditions as per EC dated 31.07.2007	Compliance Status as on date 01.06.2024
	on-site & off-site plans. Safer modes of transportation of hazardous chemicals than the transportation by road shall be explored with time. Transportation of Hzardous Chemicals shall be as per the rules under the MVA, 1989.	regularly submitted the Hazardous waste returns (Form No.- IV) on MPCB portal. Copy of HW return is attached at **Annexure – VI** and copy of CHWTSDF membership letter is attached at **Annexure - II.**
6	**Condition No. 6** The company shall undertake waste minimization measures as below :- a) Metering and control of quantities of active ingredients to minimize waste. b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. c) Use of automated filling to minimize spillage. d) Use of Close Feed system into batch reactors. e) Venting equipment through vapor recovery system. f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.	Industry has adopted Standard Operating Procedures (SOP) and current Good Manufacturing Practices (CGMP) for waste minimization. The same includes an atomization system (minimizing spillages), metering, and reuse of by-products, vapor recovery system, and high-pressure hoses for Equipment cleaning. Also, adequate handling and storage of wastes, determination of optimum process conditions for phase separation, re-circulation of water, solvent recovery system, use of non-halogenated solvents, immediate disposal of date expired and off-specification drugs, regular maintenance of ETP, etc. are followed for waste minimization. The two stage condensers are provided with sufficient Heat Transfer Area (HTA). All processes are in closed handling system, fully automated and centrally controlled through DCS (Distributed Control System)
7	**Condition No.7** Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Training and mock drills are conducted for employees working in the industry twice in year on safety and health aspects of chemical handling. Latest mock drill was conducted on 13.02.2024. A safety audit was conducted on 16.11.2022. Training and Mock drills records is enclosed at **Annexure - IX**. Industry has an OHC and it conducts health checkup camp for all workers once in 6 months and the record of the same are kept on site. PPEs are provided to all workers during working hours. The first aid facilities in the occupational health center is strengthened and regular medical test record of each employee is maintained separately. Latest health checkup camp was carried out during 13-15 Dec.2023. Reports are enclosed at **Annexure - X**.
8	**Condition No.8** Usage of personnel protection Equipment (PPEs) by all employees /works shall be ensured	The workers engaged in handling operations are provided with necessary Personal Protective Equipment's (PPE's) like safety helmet, shoes, googles, face mask, dust mask, hand gloves, welding googles, ear muff, double harness safety belt etc.
9	**Condition No.9** The Company shall develop rain water harvesting structures to harvest the runoff water for recharge of ground water.	The industry has Implemented a Rainwater Harvesting system. Being a chemical-based industry Roof top Rain water is collected from API – I & API – II. Rainwater is collected in the tank of capacity 20 KL which is lifted continuously by using a pump. The harvested water is used for gardening purposes. A photograph of the same is enclosed in **Annexure-XI.**

No.	Conditions as per EC dated 31.07.2007	Compliance Status as on date 01.06.2024
10	**Condition No. 10** Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Industry has an OHC and it conducts health checkup camp for all workers once in a 6 months and the record of the same are kept on site. PPEs are provided to all workers during working hours. The first aid facilities in the occupational health center is strengthened and regular medical test record of each employee is maintained separately. Latest health checkup camp was carried out during 13-15 Dec.2023. Reports are enclosed at **Annexure - X**.
11	**Condition No. 11** The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP)	As per CREP norms, the industry has implemented the following measures: 1. Wastewater streams are segregated based on COD & TDS and separate treatment is being provided. An effluent treatment plant has been provided at the industrty premises and ZLD is being implemented. 2. two boiler of capacity 2 TPH each are installed on site, which is operated on PNG/LSHS and common stack of 30 M is provided. One thermopack of capacity 2 Lakhs Kcal/Hr is installed on site. HSD is used as fuel for the same & stack of 30 M is provided. One DG sets of 1250 KVA capacity is provided on site and is operated only during power failure. 3. Solid Waste generated in industrial premises is in the form of Plastic, Glass, Ferrous, Wooden, Metal Scrap, Discarded containers, drums, carboys, etc., The same is sold to the re-processor – M/s. Navkar Recycling. 4. Generated hazardous waste is forwarded to CHWTSDF, Ranjangaon or Authorized Party (viz. 1. Square Chemical & 2. Navgire Petrochemical). Membership of CHWTSDF for disposal of hazardous Waste is already procured. Membership number is MEPL/33003270 dated 02.05.2023 valid up to 01.05.2028. 5. The effluent, Ambient Air Quality Monitoring (AAQM), Stack Emissions, Workplace Emissions for VOC monitoring is being monitored through MoEFCC recognized laboratory – Excellent Enviro Laboratory & Reaserach Centre Pvt. Ltd, Pune. All parameters are well within the limits at all locations 6. Environmental management cell has been established. 7. Hazardous Waste Returns (Form-IV) & Environment Statement (Form-V) are regularly being submitted to MPCB.
12	**Condition No. 12** All the recommendations made by the consultants in respect of environmental management & risk mitigation measures relating to project in the EIA/EMP report shall be implemented	Industry is complying with all the environmental protection measures and safeguards and implementation all the recommendation made in EIA/ EMP such as : 1. Wastewater streams are segregated based on COD & TDS and separate treatment is being provided. An effluent treatment plant of 150 CMD capacity has been provided at the industrty premises and ZLD is being implemented.

No.	Conditions as per EC dated 31.07.2007	Compliance Status as on date 01.06.2024
		2. Two boiler of capacity 2 TPH each are installed on site, which is operated on PNG/LSHS and common stack of 30 M is provided. One thermopack of capacity 2 Lakhs Kcal/Hr is installed on site. HSD is used as fuel for the same & stack of 30 M is provided. One DG sets of 1250 KVA capacity is provided on site and is operated only during power failure. 3. Solid Waste generated in industrial premises is in the form of Plastic, Glass, Ferrous, Wooden, Metal Scrap, Discarded containers, drums, carboys, etc. The same is sold to the re-processor – M/s. Navkar Recycling. 4. Generated hazardous waste is forwarded to CHWTSDF, Ranjangaon or Authorized Party (viz. 1. Square Chemical & 2. Navgire Petrochemical). Membership of CHWTSDF for disposal of hazardous Waste is already procured. Membership number is MEPL/33003270 dated 02.05.2023 valid up to 01.05.2028. 5. The effluent, Ambient Air Quality Monitoring (AAQM), Stack Emissions, Workplace Emissions for VOC monitoring is being monitored through MoEFCC recognized laboratory – Excellent Enviro Laboratory & Reaserach Centre Pvt. Ltd, Pune. All parameters are well within the limits at all locations 6. Environmental management cell has been established. 7. Hazardous Waste Returns (Form-IV) & Environment Statement (Form-V) are regularly being submitted to MPCB. 8. Industry has developed green-belt to the tune of 3.71 Ha where under 4,970 Nos. of trees are planted in industrial premises. M/s. Cipla Ltd. has purchased a new land parcel of area 1.58 Ha solely for GB development through Miyawaki Plantation.
13	**Condition No.13** The company shall undertake all relevant, as indicated during the Public Hearing for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages & administration.	PP has provided details of CSR expenditure from 2020 to till date. Under the same, industry has spent an amount of Rs. 526.80 Lakhs under CSR activities such as **1) Education:** Merit awards to meritorious students, scholarship to under privileged students, mobile science lab – Agastya Foundation. Provision of infrastructure of school, provision of 130 benches in Seth Jyotiprasad Vidyalaya, 50 benches in Sarswati Vidyalaya, Ravangaon, construction of Sanitation blocks at PHC Ravangaon, provision of Tata Nest Modular sanitation blocks at 9 schools located in Kurkumbh & surrounding area. **2) Health:** Provision of mobile health care units. Support to primary health care center Kurkumbh for medical equipment, support to sub-district hospital, Daund. **3) Environment:** Watershed Development Activities in Igatpuri & Satara District, Provision of mortuary cabinets & solar water heater system. Details of CSR activities & photographs attached at **Annexure – XII.**
14	**Condition No.14** The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall	Compliance status mentioned in **Condition No. 13**

No.	Conditions as per EC dated 31.07.2007	Compliance Status as on date 01.06.2024
	improvement of the environment. The eco-development plan should be submitted to the SPCB within three months of receipt of this letter for approval.	
15	**Condition No.15** A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	A separate Environmental Management cell of 07 well-qualified personnel has been established. Details of EMC is attached at **Annexure – XIII.**
16	**Condition No.16** The implementation of the project vis-à-vis environmental action plans shall be monitored by concerned Regional Office of Ministry/SPCB/CPCB. A six monthly compliance status report shall be submitted to monitoring agencies and shall be uploaded on the web site of the project.	The industry regularly submits a six-monthly compliance report. Acknowledgment of the six-monthly report for the period June 2023 – Nov. 2023 was submitted on 01.12.2023. Acknowledgment of the same is attached in **Annexure - XIV.** The industry has uploaded & updated all data like EC, Environment Statement, Compliances, etc. on the industrial website. A screen-shot of the website is attached in **Annexure – XV**. https://www.cipla.com/about-us/manufacturing
17	**Condition No.17** The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://envfor.nic.in This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Industry published newspaper advertisement regarding grant of EC in two local newspapers (Loksatta & Indian Express) on 13.08.2007. Copies of Newspaper advertisements are enclosed at **Annexure – XVI.**
18	**Condition No.18** The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Condition is being complied

ANNEXURE-I

HORIZON SERVICES
Analytical Laboratory

TC - 7064

Lab NABL Accredited - Chemical Field,
Lab Approved by MoEF, New Delhi. (Valid till 18/03/2026)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.
• Mobile : 7249867318, 8378018710 • Tel. : 020 - 25460202, 25460203. • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

TEST CERTIFICATE

HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS		
M/s. Cipla Limited (Unit - II) Plot No. D - 27, MIDC Kurkumbh Tal- Daund, Dist- Pune	ULR NO.	TC7064240000007289
	REPORT DATE	31/08/2024
	LAB REFERENCE NO.	HS/LAB/AA/332
	SAMPLING DATE	22&23/08/2024
	SAMPLE RECEIPT DATE	24/08/2024
	START DATE OF ANALYSIS	24/08/2024
	END DATE OF ANALYSIS	29/08/2024
	SAMPLING REF. / SOP NO.	HS/NABL/Air/14

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Air	Horizon Services	Plastic Bottles and Bags	--	Near Main Gate

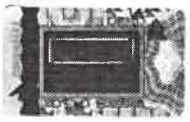
RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULTS	NAAQS LIMITS	TEST METHOD REFERENCE
01	Date of Sampling	DD/MM/YY	22&23/08/2024		
02	Test Location		Near Main Gate		
03	Time of Sampling	Hrs.	15:20		
04	Temperature (Max./Min)	Deg C	32/24		
05	Relative Humidity	% RH	70		
06	Sampling Duration	Hrs	24		
07	Particulate Matter (Size less than 10µm) PM_{10} (24 Hrs)	µg/m³	51.39	100	IS 5182(part 23):2006, RA 2022
08	Particulate Matter (Size less than 2.5µm) $PM_{2.5}$ (24 Hrs)	µg/m³	27.98	60	IS 5182(part 24):2019
09	Sulphur Dioxide (SO_2) (24 Hrs)	µg/m³	12.10	80	IS 5182(part 2):2023
10	Nitrogen Dioxide (NO_2) (24 Hrs)	µg/m³	25.09	80	IS 5182(part 6):2006 RA 2022
11	Ozone (O_3) (8 Hrs)	µg/m³	15.64	100	IS 5182(part 9):1974, RA 2019
12	Ammonia (NH_3) (24 Hrs)	µg/m³	BDL (<30)	400	IS 5182(part 25):2018
13	Lead (Pb) (24 Hrs)	µg/m³	BDL (<0.05)	1.0	IS 5182 (Part 22):2004, RA 2019
14	Arsenic (As) (24 Hrs)	ng/m³	BDL (<3)	06	HS/NABL/AIR/22
15	Nickel (Ni) (24 Hrs)	ng/m³	BDL (<7)	20	IS 5182(part 26):2020

Equipment Used: - Fine Dust Sampler, Sr.No.2619 (Polltech Make)
Date of Calibration: -20/02/2024 Next Calibration due: -19/02/2025

verified by.
15.10.2024

REMARKS/OBSERVATIONS: -
NAAQS: - National Ambient Air Quality Standards
Limits as per NAAQS Monitoring & Analysis Guidelines Volume-I (2009)
BDL-Below Detectable Level



For **HORIZON SERVICES**

(AUTHORIZED SIGNATORY)

****End of Test Report****

HORIZON SERVICES
Analytical Laboratory

Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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TEST CERTIFICATE

HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS		
M/s. Cipla Limited (Unit - II) **Plot No. D - 27, MIDC Kurkumbh** **Tal- Daund, Dist- Pune**	**REPORT NO.**	HS/LAB/AA/07289
	REPORT DATE	31/08/2024
	LAB REFERENCE NO.	HS/LAB/AA/332
	SAMPLING DATE	22&23/08/2024
	SAMPLE RECEIPT DATE	24/08/2024
	START DATE OF ANALYSIS	24/08/2024
	END DATE OF ANALYSIS	29/08/2024
	SAMPLING REF. / SOP NO.	HS/NABL/Air/14

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Air	Horizon Services	Plastic Bottles and Bags	--	Near Main Gate

RESULTS

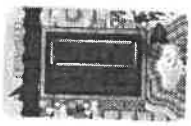
SR. NO.	DESCRIPTION	UNIT	RESULTS	NAAQS LIMITS	TEST METHOD REFERENCE
01	Date of Sampling	DD/MM/YY	22&23/08/2024		
02	Test Location		Near Main Gate		
03	Time of Sampling	Hrs.	15:20		
04	Temperature (Max./Min)	Deg C	32/24		
05	Relative Humidity	% RH	70		
06	Sampling Duration	Hrs	24		
07	Carbon Monoxide (CO) (8 Hrs)	mg/m³	0.109	2.0	IS 5182 (Part 10): 1999 RA 2019
08	Benzene (C_6H_6) (24 Hrs)	µg/m³	BDL (<4)	05	IS 5182 (Part 11): 2006
09	Benzo(a)Pyrene (BaP) Particulate phase only (24 Hrs)	ng/m³	BDL (<0.5)	01	IS 5182 (Part 12): 2004

REMARKS/OBSERVATIONS: -

NAAQS: - National Ambient Air Quality Standards
Limits as per NAAQS Monitoring & Analysis Guidelines Volume-I (2009)
BDL-Below Detectable Level

Verified by.
11.10.2024

For **HORIZON SERVICES**



MANISHA NARGOLKAR
(Lab Incharge)

****End of Test Report****

HORIZON SERVICES
Analytical Laboratory

TC - 7064

Lab NABL Accredited - Chemical Field,
Lab Approved by MoEF, New Delhi. (Valid till 18/03/2026)

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AMBIENT NOISE MONITORING REPORT

CLIENT'S NAME & ADDRESS	ULR NO.	TC7064240000007295
M/s. Cipla Limited (Unit - II) Plot No. D - 27, MIDC Kurkumbh Tal- Daund, Dist- Pune	DATED	31/08/2024

Description of Location: Near Boiler		Date: 22&23/08/2024
Noise Level Meter		
Make	:	Lutron
Model	:	SL 4023SD
Serial No.	:	Q697688
Calibration Details:		Calibration Date: 23/10/2023 Next Calibration Due: 22/10/2024

Calibration Result of Noise Level Meter		
Calibration	94 dB at 1000 Hz	114 dB at 1000 Hz
Initial	93.1	113.2
Final	93.7	113.4
Sampling Rate	1 sec.	

SR.NO.	DATE	TIME	NOISE LEVEL UNIT dB(A)
	Day Time		
1	22/08/2024	06.00	55.9
2	22/08/2024	07.00	57.8
3	22/08/2024	08.00	58.9
4	22/08/2024	09.00	63.3
5	22/08/2024	10.00	65.5
6	22/08/2024	11.00	61.2
7	22/08/2024	12.00	63.2
8	22/08/2024	13.00	65.9
9	22/08/2024	14.00	68.8
10	22/08/2024	15.00	63.9
11	22/08/2024	16.00	64.7
12	22/08/2024	17.00	60.1
13	22/08/2024	18.00	62.8
14	22/08/2024	19.00	59.6
15	22/08/2024	20.00	57.4
16	22/08/2024	21.00	59.9
		Day Time Leq	63.16

verified by.
11.10.2024

HORIZON SERVICES
Analytical Laboratory

TC - 7064

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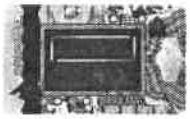
	Night Time		
17	22/08/2024	22.00	62.2
18	22/08/2024	23.00	63.3
19	23/08/2024	24.00	58.4
20	23/08/2024	01.00	60.7
21	23/08/2024	02.00	58.8
22	23/08/2024	03.00	57.2
23	23/08/2024	04.00	58.8
24	23/08/2024	05.00	59.2
		Night Time Leq	**60.28**

Instrument Used: DIGITAL Sound Level Meter (data logging) Q697688
Make. Lutron Make
Calibration Date: 23/10/2023
Next Calibration Due: 22/10/2024

Test Method- Lab SOP Based on IS 9989-1981 / CPCB
Protocol for Ambient Noise Level Monitoring
July 2015, CPCB Regulation on Ambient Noise and Manufacturers Manual

REMARK/OBSERVATIONS:
Note:
Day time shall mean from 6.00 Hrs. to 22.00 Hrs.
Night time shall mean from 22.00 Hrs. to 6.00 Hrs.

Limits: Leq dB (A)
≤75 dB (A) For Day Time
≤70 dB (A) For Night Time



For **HORIZON SERVICES**

(AUTHORIZED SIGNATORY)

****End of Test Report****

HORIZON SERVICES
Analytical Laboratory

TC - 7064

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TEST CERTIFICATE

HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS		
M/s. Cipla Limited (Unit - II) Plot No. D - 27, MIDC Kurkumbh Tal- Daund, Dist- Pune	ULR NO.	TC7064240000007299
	REPORT DATE	31/08/2024
	LAB REFERENCE NO.	HS/LAB/AA/332
	SAMPLING DATE	23/08/2024
	SAMPLE RECEIPT DATE	24/08/2024
	START DATE OF ANALYSIS	24/08/2024
	END DATE OF ANALYSIS	29/08/2024
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags	--	Boiler No. 15715 (B-203)

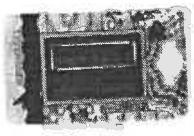
RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	METHODS USED
01	DATE OF SAMPLING	DD/MM/YY	23/08/2024		
02	TEST LOCATION		Boiler No. 15715 (B-203)		
03	TIME OF SAMPLING (00.00)	Hrs	12:50		
04	MATERIAL OF STACK		MS		
05	STACK HEIGHT	Mtr	30		
06	TYPE OF FUEL USED	--	LSHS/PNG		
07	TYPE OF STACK		Round		
08	FLUE GAS TEMPERATURE	Deg K	460		
09	DIFFERENTIAL PRESSURE	mm WG	3.1		
10	VELOCITY	m/Sec	7.72		
11	DIAMETER OF STACK	m	0.8		
12	STACK AREA	m^2	0.5024		
13	GAS VOLUME	Nm^3/Hr	9048.23		
14	TPM	mg/Nm^3	35.97	≤150	IS 11255 (Part 1):1985, RA 2019
15	SO_2	mg/Nm^3	105.12	--	IS 11255 (Part 2):1985, RA 2019
		Kg/Day	22.83	--	--
16	NOx	ppm	235.0	N.S.	IS 11255 part 7:2005, RA 2022
17	CO	ppm	105.0	N.S.	HS/NAB/Air/26
18	CO_2	%	7.2	N.S.	HS/NAB/Air/09

Equipment Used: -1) Stack Monitoring Kit, Sr.No.14-B-85 (Ecotech model)
Date of Calibration: -23/02/2024 Next Calibration due: -22/02/2025

REMARKS/OBSERVATIONS: -
N.S.-Not Specified

Verified by
11.10.2024



For **HORIZON SERVICES**
MMalgolkar
(AUTHORIZED SIGNATORY)

****End of Test Report****

HORIZON SERVICES
Analytical Laboratory

Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

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TEST CERTIFICATE

HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS		
M/s. Cipla Limited (Unit - II) Plot No. D - 27, MIDC Kurkumbh Tal- Daund, Dist- Pune	**REPORT NO.**	HS/LAB/AA/07299
	REPORT DATE	31/08/2024
	LAB REFERENCE NO.	HS/LAB/AA/332
	SAMPLING DATE	23/08/2024
	SAMPLE RECEIPT DATE	24/08/2024
	START DATE OF ANALYSIS	24/08/2024
	END DATE OF ANALYSIS	29/08/2024
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

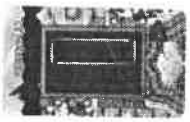
DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags	--	Boiler No. 15715 (B-203)

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	METHODS USED
01	DATE OF SAMPLING	DD/MM/YY	23/08/2024		
02	TEST LOCATION		Boiler No. 15715 (B-203)		
03	TIME OF SAMPLING (00.00)	Hrs	12:50		
04	MATERIAL OF STACK		MS		
05	STACK HEIGHT	Mtr	30		
06	TYPE OF FUEL USED	--	LSHS/PNG		
07	TYPE OF STACK		Round		
08	FLUE GAS TEMPERATURE	Deg K	460		
09	DIFFERENTIAL PRESSURE	mm WG	3.1		
10	VELOCITY	M/Sec	7.72		
11	DIAMETER OF STACK	M	0.8		
12	STACK AREA	M^2	0.5024		
13	GAS VOLUME	Nm^3/Hr	9048.23		
14	COMBUSTION EFFICIENCY	%	99.85	--	HS/LAB/STK/09

REMARKS/OBSERVATIONS: -

N.S.-Not Specified



For **HORIZON SERVICES**

(AUTHORIZED SIGNATORY)

****End of Test Report****

CIN . U73100MH2020PTC347047

Excellent Enviro Laboratory & Research Center Pvt. Ltd.

(Formerly known as Excellent Enviro Laboratory & Research Center)
Master in "Water & Waste Water Treatment, Monitoring,
Testing & Environmental Compliance".

Format No. EELRC/LAB/F/074-7.8

WORKPLACE MONITORING REPORT FOR V.O.C.

Client's Name & Address	Sample ID.	EEL/ABD/WP- 102/06/2024-25
M/s. Cipla Limited D-27, Kurkumbh, Tal Daund, Midc , Pune, Maharashtra 413802	Date of Reporting	03/06/2024

SAMPLING DETAILS

01) Sample Collected By	M/s. Excellent Enviro Laboratory & Research Center Pvt.Ltd.
02) Date of Sampling	24/05/2024
03) Date of Received in Lab	25/05/2024
04) Analysis Start Date	25/05/2024
05) Temperature	36°C
06) Humidity	58% RH

RESULTS

I.D. No.	WP-102	
Location of Sampling	Near API I solvent storage tank area.	
Parameters	Toluene	Methanol
Concentration of VOC (ppm)	3.2	7.4
NIOSH Limit	25.0	25.0

Method Used: G.C. (FID) Method.

VOC – Volatile Organic Compounds, ppm – Parts per million, G.C. – Gas Chromatograph, FID – Flame Ionization Detector.

Reviewed By

(Mr. Prashant Patil)
(Dy. Quality Manager)

Excellent Enviro Laboratory & Research Centre Pvt. Ltd. D-52/18 MIDC Waluj Aurangabad

Authorized Signatory

(Ms. Dhammashila Narwade)
(Dy. Technical Manager)

Terms and Conditions

- This Report is valid for tested sample only
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purpose without the written consent of laboratory, EELRCPL.

********************End of Report********************

AN ENVIRONMENTAL LABORATORY RECOGNISED UNDER EPA, ENVIRONMENT (PROTECTION) ACT BY (MoEF & CC) MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE
REGISTERED OFFICE : D-52/18, MIDC Waluj, Chh. Sambhajinagar (Aurangabad) - 431 136. ☎ 0240-6641879 / 9970429991/ 7745069991
Email : eelab@excellentenviro.com/info@excellentenviro.com/sales@excellentenviro.com
MUMBAI OFFICE : Dhawalgiri Co-op, Hsg. Society, Building No.1, Flat No. B-3, Near Peace Park Hotel, Thana Naka, Panvel - 410 206 / 08652671991
Email : kalyani@excellentenviro.com/ mumbaisales@excellentenviro.com
PUNE OFFICE : 'B' zone 410-41, 4th floor, Near Vijay Sales, Pune-Mumbai Road, Chinchwad, Pune- 411019 / 7447439991
Email : punesales@excellentenviro.com
Certifications : ◈ ISO 9001: 2015 ◈ ISO 14001 : 2015 ◈ ISO 45001: 2018 Website : www.eelab.in/ www.excellentenviro.com

CIN : U73100MH2020PTC347047

Excellent Enviro Laboratory & Research Center Pvt. Ltd.

(Formerly known as Excellent Enviro Laboratory & Research Center)
Master in "Water & Waste Water Treatment, Monitoring,
Testing & Environmental Compliance".

Format No. EELRC/LAB/F/074-7.8

WORKPLACE MONITORING REPORT FOR V.O.C.

Client's Name & Address	Sample ID.	EEL/ABD/WP- 103/06/2024-25
M/s. Cipla Limited D-27, Kurkumbh, Tal Daund, Midc , Pune, Maharashtra 413802	Date of Reporting	03/06/2024

SAMPLING DETAILS

01) Sample Collected By	M/s. Excellent Enviro Laboratory & Research Center Pvt.Ltd.
02) Date of Sampling	24/05/2024
03) Date of Received in Lab	25/05/2024
04) Analysis Start Date	25/05/2024
05) Temperature	36°C
06) Humidity	61% RH

RESULTS

I.D. No.	WP-103	
Location of Sampling	API II ground floor	
Parameters	MDC	Methanol
Concentration of VOC (ppm)	3.7	7.6
NIOSH Limit	25.0	25.0

Method Used: G.C. (FID) Method.

VOC – Volatile Organic Compounds, ppm – Parts per million, G.C. – Gas Chromatograph, FID – Flame Ionization Detector.

Reviewed By

(Mr. Prashant Patil)
(Dy. Quality Manager)

Excellent Enviro Laboratory & Research Centre Pvt. Ltd. D-52/18 MIDC Waluj Aurangabad

Authorized Signatory

(Ms. Dhammashila Narwade)
(Dy. Technical Manager)

Terms and Conditions

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********************End of Report********************

AN ENVIRONMENTAL LABORATORY RECOGNISED UNDER EPA, ENVIRONMENT (PROTECTION) ACT BY (MoEF & CC) MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE
REGISTERED OFFICE : D-52/18, MIDC Waluj, Chh. Sambhajinagar (Aurangabad) - 431 136. ☎ 0240-6641879 ✆ 9970429991/ 7745069991
Email : eelab@excellentenviro.com/info@excellentenviro.com/sales@excellentenviro.com
MUMBAI OFFICE : Dhawalgiri Co-op, Hsg. Society, Building No.1, Flat No. B-3, Near Peace Park Hotel, Thana Naka, Panvel - 410 206 ✆ 08652671991
Email : kalyani@excellentenviro.com/ mumbaisales@excellentenviro.com
PUNE OFFICE : 'B' zone 410-41, 4th floor, Near Vijay Sales, Pune-Mumbai Road, Chinchwad, Pune- 411019 ✆ 7447439991
Email : punesales@excellentenviro.com
Certifications : ◈ ISO 9001: 2015 ◈ ISO 14001 : 2015 ◈ ISO 45001: 2018 Website : www.eelab.in/ www.excellentenviro.com

ANNEXURE- II

MAHARASHTRA
ENVIRO POWER LTD
ISO 9001:2018 I EMS 14001 : 2004 I OHSAS 18001 : 2007 Certified Company
(Common Hazardous Waste Treatment, Storage and Disposal Facility)
The Corporate Identity Number (CIN) : U40105MH2005PLC150780

SMS

Doc No.. SMS/MEPL/IMS/MKT/PMC Issue/Rev. No.: 04/00 Rev. Date: 01.02.2020

MAHARASHTRA
ENVIRO POWER LTD

This is to certify that: ***M/S. CIPLA LTD.***
Address: ***UNIT-II, D-27 MIDC Kurkumbh, Tal.-Daund, Dist-Pune 413802 413802*** *a Valid member of CHWTSDF (As per MOU with MIDC & MPCB), at Plot No. P-56, Ranjangaon MIDC, Taluka – Shirur, Pune - 412 220.*

Membership No. : MEPL/33003270

Membership Period: ***02 May 2023*** ***to*** ***01 May 2028***

For Maharashtra Enviro Power Ltd.

Authorized signatory

Marketing Coordinator

MAHARASHTRA ENVIRO POWER LTD MEPL

ANNEXURE -III

FORM XV
(see Article 6 of the First Schedule)

LICENCE TO IMPORT AND STORE PETROLEUM IN AN INSTALLATION

Licence No. . **P/HQ/MH/15/5768(P182874)** Fee Rs. **5475/-** per year

Licence is hereby granted to **M/s. Cipla Limited, Plot No. D-27, M.I.D.C. Industrial Area, Kurkumbh, Distt. Pune - 413 802, District: PUNE, State: Maharashtra, PIN: 413802** valid only for the importation and storage of **295.00 KL** Petroleum of the class(es) and in quantities as herein specified and storage thereof in the place described below and shown on the approved plan No **P/HQ/MH/15/5768(P182874)** dated **10/09/2007** attached hereto subject to the provisions of the Petroleum Act, 1934 and the rule made thereunder and to the further conditions of this Licence.

The Licence shall remain in force till the 31st day of December **2017**

Description of Petroleum	Quantity licenced in KL
Petroleum Class A, in bulk	**175.00 KL**
Petroleum Class A, otherwise than in bulk	**40.00 KL**
Petroleum Class B, in bulk	**30.00 KL**
Petroleum Class B, otherwise than in bulk	**NIL**
Petroleum Class C, in bulk	**50.00 KL**
Petroleum Class C,otherwise than in bulk	**NIL**
Total	**295.00 KL**

September 10, 2007

Chief Controller of Explosives

1). Amendment dated - 05/02/2015

DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

The licensed premises, the layout , boundaries and other particulars of which are shown in the attached approved plan are situated at **Plot No: Unit no. II, Plot No. D-27, M.I.D.C. Industrial Area, NA, Kurkumbh, Tehsil Daund, District: PUNE, State: Maharashtra, PIN: 999999** and consists of **1 Above Ground tank(s) for CLASS B , 1 Above Ground tank(s) for CLASS C , 7 Under Ground tank(s) for CLASS A and storage shed for non bulk petroleum** together with connected facilities.

Licence No. P/HQ/MH/15/5768 (P182874)

SPACE FOR ENDORSEMENT OF RENEWALS

This licence shall be renewable without any concession in fee for ten years in the absence of contravention of any provisions of the Petroleum Act, 1934 or of the rules framed thereunder or of any of the conditions of this licence.	Date of Renewal	Date of Expiry of license	Signature and office stamp of the licencing authority.
1).	07/12/2009	31/12/2012	Sd/- Ajai Singh
2).	26/11/2012	31/12/2017	Sd/- Anil Kumar Yadav Controller of Explosives For Jt. Chief Controller of Explosives Mumbai

31-12-2022 Jt.C C.E.

This licence is liable to be cancelled if the licensed premises are not found conforming to the description given on the approved plan attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may be extend to one month, or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment which may extend to three months, or with fine which may extend to five thousand rupees or with both.

ANNEXURE - IV

HORIZON SERVICES
Analytical Laboratory

TC - 7064

Lab NABL Accredited - Chemical Field,
Lab Approved by MoEF, New Delhi. (Valid till 18/03/2026)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.
• Mobile : 7249867318, 8378018710 • Tel. : 020 - 25460202, 25460203. • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

TEST CERTIFICATE

HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS		
M/s. Cipla Limited (Unit - II) Plot No. D - 27, MIDC Kurkumbh Tal- Daund, Dist- Pune	ULR NO.	TC7064240000007297
	REPORT DATE	31/08/2024
	LAB REFERENCE NO.	HS/LAB/AA/332
	SAMPLING DATE	23/08/2024
	SAMPLE RECEIPT DATE	24/08/2024
	START DATE OF ANALYSIS	24/08/2024
	END DATE OF ANALYSIS	29/08/2024
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags	--	DG Set No. 1 1250 KVA S6

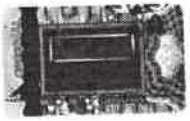
RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	METHODS USED
01	DATE OF SAMPLING	DD/MM/YY	23/08/2024		
02	TEST LOCATION		DG Set No. 1 1250 KVA S6		
03	TIME OF SAMPLING (00.00)	Hrs	12:20		
04	MATERIAL OF STACK		MS		
05	STACK HEIGHT	Mtr	30		
06	TYPE OF FUEL USED	--	HSD		
07	TYPE OF STACK		Round		
08	FLUE GAS TEMPERATURE	Deg K	383		
09	DIFFERENTIAL PRESSURE	mm WG	4.3		
10	VELOCITY	m/Sec	8.30		
11	DIAMETER OF STACK	m	0.4		
12	STACK AREA	m^2	0.1256		
13	GAS VOLUME	Nm^3/Hr	2919.69		
14	TPM	mg/Nm^3	41.63	≤150	IS 11255 (Part 1):1985, RA 2019
15	SO_2	mg/Nm^3	105.23	--	IS 11255 (Part 2):1985, RA 2019
		Kg/Day	7.37	≤20	--
16	NOx	ppm	48.0	N.S.	IS 11255 part 7:2005, RA 2022
17	CO	ppm	32.0	N.S.	HS/NAB/Air/26
18	CO_2	%	5.8	N.S.	HS/NAB/Air/09

Equipment Used: -1) Stack Monitoring Kit, Sr.No.14-B-85 (Ecotech model)
Date of Calibration: -23/02/2024 Next Calibration due: -22/02/2025

REMARKS/OBSERVATIONS: -
N.S.-Not Specified

verified by.
11.10.2024



For **HORIZON SERVICES**
(AUTHORIZED SIGNATORY)

****End of Test Report****

ANNEXURE - V.

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24023516
Website: http://mpcb.gov.in
Email: cac-cell@mpcb.gov.in

Kalpataru Point, 2nd and 4th floor, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E), Mumbai-400022

RED/L.S.I (R58)
No:- Format1.0/CAC/UAN
No.0000163874/CO/2309002283

Date: 28/09/2023

To,
M/s. Cipla Limited (Unit - II)
Plot No. D - 27, MIDC Kurkumbh
Tal- Daund, Dist- Pune

LiFE Lifestyle for Environment
लोकसेवा हक्क कायदा Right to Public Service Act
Your Service is Our Duty

Sub: Grant of Amendment in Consent to Operate under Product Mix

Ref:
1. Consent to Operate accorded by the Board vide No. Format1.0/CAC/UAN No. MPCB-CONSENT-0000118891/CO/2205000394 dtd. 07/05/2022 Valid up to 30/4/2025
2. Environment Clearance accorded vide F. No. J-11011/ 368/ 2006-IAII (1) dtd. 31/07/2007
3. Minutes of Technical Committee under Product mix dated 09/6/2023
4. Minutes of Consent Appraisal Committee meeting held on 07/7/2023

Your application No.MPCB-CONSENT-0000163874 Dated 01.03.2023

For: grant of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 and Rule 18(7) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to operate is granted for a period up to 30/04/2025**
2. **The capital investment of the project is Rs.217.3 Crs. (As per C.A Certificate submitted by industry)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
Products					
1	Darunavir Ethanolate	3	0	3	MT/A
2	Tenofovir Disoproxil Fumarate	50.3	-41.6	8.7	MT/A
3	Darunavir Hydrate	3	0	3	MT/A
4	Efavirenz	8	0	8	MT/A
5	Atazanavir Sulphate	9	-6	3	MT/A
6	Dolutegravir Sodium	1	0	1	MT/A

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
7	Esomeprazole Magnesium Dihydrate	3	7	10	MT/A
8	Esomeprazole Potassium (Intermediate)	6	14	20	MT/A
9	Celecoxib	2	-1.7	0.3	MT/A
10	Vildagliptin	2.7	-2.6	0.1	MT/A
11	Terbinafine Hydrochloride	2	-1.7	0.3	MT/A
12	Lamotrigine	1	-0.5	0.5	MT/A
13	Citalopram Hydrobromide	26	-4	22	MT/A
14	Trimetazidine Dihydrochloride	6	0	6	MT/A
15	Losartan Potassium	1	-0.9	0.1	MT/A
16	LSR Acid (Intermediate of Losartan)	6	-5.5	0.5	MT/A
17	Remdesivir	2	-1.8	0.2	MT/A
18	Amlodipine Besylate	3	-2	1	MT/A
19	Omeprazole Sodium	1	-0.93	0.07	MT/A
20	Omeprazole	15	-14	1	MT/A
21	Pantoprazole Sodium sesquihydrate	3	-2.54	0.46	MT/A
22	Amlodipine Mesylate Monohydrate	3	-2	1	MT/A
23	Topiramate	1	-0.5	0.5	MT/A
24	Lansoprazole	1	-0.12	0.88	MT/A
25	Nirmatrelvir	1	0	1	MT/A
26	Esomeprazole Magnesium Trihydrate	0	0.45	0.45	MT/A
27	Felodipine	0	1	1	MT/A
28	Donepezil Hydrochloride	0	0.54	0.54	MT/A
29	Linagliptin	0	0.09	0.09	MT/A
30	Apremilast	0	0.07	0.07	MT/A
31	Anagrelide Hydrochloride	0	0.01	0.01	MT/A
32	Granisetron Base	0	0.04	0.04	MT/A
33	L Glutamine	0	2.5	2.5	MT/A
34	Nintedanib	0	0.1	0.1	MT/A
35	Lenacapavir	0	1	1	MT/A
36	O1 Compound	0	44	44	MT/A
37	Amlodipine	0	2.28	2.28	MT/A
38	Flocrotonate	0	1.5	1.5	MT/A
39	Feloacrylate	0	0.9	0.9	MT/A
40	Donepezil	0	0.55	0.55	MT/A
41	N-BOC Linagliptin	0	0.28	0.28	MT/A
42	APT Sulphonamine Leucine Salt	0	0.5	0.5	MT/A
43	Anagrelide	0	0.5	0.5	MT/A
44	Salcaprozate Sodium	0	1	1	MT/A
45	Potassium Phosphate Monobasic	0	1	1	MT/A

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
46	Potassium Phosphate Dibasic	0	1	1	MT/A
47	Darunavir	0	8	8	MT/A

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	113.71	As per Schedule-I	Recycle 100% to achieve ZLD
2.	Domestic effluent	35	As per Schedule-I	On land for gardening

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	S-1	Boiler 1 & 2 (02 TPH each)	1	As per Schedule -II
2	S-2	Thermopack	1	As per Schedule -II
3	S-3	API-I Production Block Process Vent No. 201	1	As per Schedule -II
4	S-4	API-I Production Block Process Vent No. 202	1	As per Schedule -II
5	S-5	API-I Production Block Process Vent No. 401	1	As per Schedule -II
6	S-6	DG Set (1250 KVA)	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Wooden Scrap,Glass Scrap,Plastic Scrap, Metal Scrap	125	MT/A	Sale	Sale to authorized party

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:**

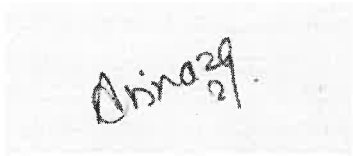
Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	37.3 Concentration or evaporation residues	48	MT/M	Landfill/ Incineration	CHWTSDF
2	28.1 Process Residue and wastes	30	MT/M	Incineration	CHWTSDF
3	28.4 Off specification products	0.5	MT/M	Incineration	CHWTSDF

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
4	33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	200	No/M	Incineration/ Recycle*	Sale to Authorized party/CHWTSDF
5	5.1 Used or spent oil	0.2	KL/M	Incineration/ Recycle	Sale to authorised party / CHWTSDF
6	35.3 Chemical sludge from waste water treatment	15	MT/M	Landfill	CHWTSDF
7	37.1 Sludge from wet scrubbers	0.025	MT/M	Landfill	CHWTSDF
8	28.6 Spent organic solvents	377.7	KL/M	Incineration/ Recycle*	Sale to authorised party / CHWTSDF
9	28.3 Spent carbon	0.095	MT/M	Incineration	CHWTSDF
10	28.5 Date-expired products	1	MT/M	Incineration	CHWTSDF
11	28.2 Spent catalyst	0.03	MT/M	Incineration/ Recycle*	Sale to authorised party / CHWTSDF

*** Sale to Authorized party having permission under Rule 9 of H&OW Rule**

8. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
10. This consent is issued with overriding effect on earlier Consent to Operate granted by the Board vide no. Consent No. Format1.0/CAC/UAN No. MPCB-CONSENT-0000118891/CO/2205000394 dated 07/5/2022
11. The applicant shall comply with the conditions of the Environmental Clearance granted vide letter No. F. No. J-11011/ 368/ 2006-IAII (I) dated 31/07/2007
12. Industry shall ensure display/upload of six-monthly compliance monitoring report on their o?cial website
13. Industry shall dispose the By-product (if any) to actual user having permission under Rule-9 of Hazardous & Other Waste (M&TM) Rules 2016
14. Industry shall ensure the connectivity of the OCEMS data to Boards server.
15. This consent is issued pursuant to the decision of Minutes of the Meeting of Technical Committee for change in product mix Dated. 09/6/2023. This Consent is issued based on self-assessment of Pollution Load submitted by you in Board's prescribed format and Certificate of "No Increase in pollution load" issued by empaneled auditors. If any violation and / or submission of misleading information are noticed, then the consent issued will stand automatically cancelled and you have to follow the procedure of EIA Notification, 2006 and Amendments thereof for obtaining Environmental Clearance
16. The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent.

17. This consent is issued as per the minutes of Consent Appraisal Committee meeting held on 07/7/2023



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Signed by: Dr.Avinash Dhakne
Member Secretary
For and on behalf of,
Maharashtra Pollution Control Board
ms@mpcb.gov.in
2023-09-28 18:59:27 IST

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	434600.00	MPCB-DR-18138	27/03/2023	NEFT

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune I
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB,Sion, Mumbai

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. A] As per your application, you have segregated trade effluent into weak stream & strong stream and provided Effluent Treatment Plant (ETP) comprising of:

   i) Strong COD/TDS stream of 14.97 CMD - Treatment system comprising of Primary (Collection tank, Neutralization tank, Flash mixer, Primary Clarifier/Primary Settling Tank, Primary after stmt) , Multi effect evaporator (3 stage) followed by ATFD. The MEE condensate is treated in weak stream ETP.

   ii) Weak COD/TDS stream of 98.74 CMD - Treatment system comprising of Primary (Collection tank, Neutralization tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank), Secondary (Activated sludge process), Tertiary (Pressure sand filter, Activated carbon filter), Advance treatment (Reverse osmosis, Multi Efflective Evaporator (stage), ATFD) .

   B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent and recycle the entire treated effluent into the process for various purposes such as for cooling, process & Scrubbing with metering system so as to achieve Zero Liquid Discharge. There shall be no discharge on land or outside factory premises.

   C] The Industry shall ensure connectivity online monitoring system to the MPCB server including separate energy meter for pollution control system.

   D] The treated effluent shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise after confirming above standards. In no case, effluent shall find its way for gardening / outside factory premises.

2. A] As per your application, you have provided Sewage Treatment Plant of designed capacity 35 CMD for the treatment of 35 CMD of sewage.

   B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

Sr.No	Parameters	Standards (mg/l)	
1	Suspended Solids	Not to exceed	50 mg/l
2	BOD 3 days 27°C	Not to exceed	30 mg/l
3	COD	Not to exceed	100 mg/l

   C] The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise after confirming above standards. In no case, sewage shall find its way for gardening / outside factory premises.

3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.

4. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	70.00
2.	Domestic purpose	45.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	128.63
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	20.00
5.	Gardening	35

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-1	Boiler 1 & 2	Stack	30.00	PNG 3.4 SCM/Hr	-	TPM	150 Mg/Nm^3
				LSHS 5.12 KL/D	1	TPM and SO2	-
S-2	Thermopack	Stack	30.00	Diesel 7.5 KL/M	1	TPM and SO2	150 Mg/Nm^3
						TPM and SO2	5 Kg/Day
S-3	API-I Production Block Process Vent No. 201	Scrubber	10.00	-	-	Acid Mist	35 Mg/Nm^3
S-4	API-I Production Block Process Vent No. 202	Scrubber	10.00	-	-	Acid Mist	35 Mg/Nm^3
S-5	API-I Production Block Process Vent No. 401	Scrubber	10.00	-	-	Acid Mist and Dimethyl Sulphate	35 Mg/Nm^3
S-6	DG Set	Acoustic Enclosure	30.00	HSD 30 KL/M	1	TPM and SO2	150 Mg/Nm^3
						TPM and SO2	20 Kg/Day

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Parameters	Standards (unit)	
Total Particulate Matter	Not to exceed	30 mg/ Nm3

4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
5. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
6. Solvent Management shall be carried out as follows:
   a. Reactors shall be connected to Water / Chilled Water /Brine Condenser system.
   b. Reactors and solvent handling pumps shall have mechanical seals to prevent the leakages.
   c. The condensers shall be provided with adequate Heat transfer area (HTA) and residence time so as to achieve more than 97% overall recovery
   d. Solvents shall be stored in a separate space specified with all safety measures.
   e. Proper earthing shall be provided in all the equipment's, wherever solvent handling is done.

f. Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.

g. All the solvent storage tanks shall be connected with vent condensers with Water / chilled water / Brine circulation.

h. Fugitive emissions shall be controlled at 99.95% with effective chillers.

i. Solvent transfer shall be through pump.

j. Metering and control of quantities of active ingredients to minimize wastes.

k. Use of automatic filling to minimize spillage.

l. Use of close feed system into batch reactors.

m. Venting equipment through vapour recovery system.

SCHEDULE-III
Details of Bank Guarantees:

Sr. No.	Consent (C2E/ C2O /C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to R	25 Lakh	Existing	Towards O&M of Pollution Control system	30/4/2025	31/10/2025

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

SCHEDULE-IV
General Conditions:

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. Conditions for D.G. Set
   a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
   b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
   c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures.
   d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
   e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
   f) D.G. Set shall be operated only in case of power failure.
   g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
   h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
4. The applicant shall maintain good housekeeping.
5. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
6. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
7. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding upon you.
8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
11. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.

12. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
13. You shall operate OCEMS installed for source emission round 'O' clock and transmit data online to CPCB and MPCB server. You shall also monitor effluent quality, stack emissions and ambient air quality monthly/quarterly. You shall conduct Dioxin Furan monitoring by third party NABL Accredited agency once in year and submit report to Sub Regional Officer.
14. You shall ensure collection, and segregation of BMW regularly to treat and dispose Off within 48 hrs from generation.
15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
16. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. You shall not Rent, Lend, Sell, Transfer or Close Down the facility or otherwise transport the Bio Medical waste for any other purpose without obtaining prior written permission of the MPC Board.
20. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
22. The industry should not cause any nuisance in surrounding area.
23. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
24. You shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the facility premises.

25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
26. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto
27. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
29. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
30. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
31. You should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly. You shall conduct Dioxin Furan monitoring by third party NABL Accredited agency once in every year and submit report to Sub Regional Officer.
32. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
34. You shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
35. You shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
36. You shall create the Environmental Cell by appointing an Environmental Engineer and Chemist for looking after day-to-day activities related to compliance of CCA.

37. You should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 , Bio Medical Waste Management Rules,2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year in Form-IV by 30th June of every year

38. You should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 , Bio Medical Waste Management Rules,2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year in Form-IV by 30th June of every year

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This certificate is digitally & electronically signed.

ANNEXURE - VI

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Form 4
See rules 6(5),13(8),16(6) and 20(2) of Hazardous and other wastes 2016

FORM FOR FILING ANNUAL RETURNS

[To be submitted to state pollution control board/pollution control committee by 30th June of every year for the preceeding period April to march]

Unique Application Number:	***Submitted On:***	***Industry Type :***
MPCB-HW_ANNUAL_RETURN-0000046070	20-06-2024	Generator

Submitted for Year:
2024

1. Name of the generator/operator of facility	***Address of the unit/facility***
Cipla Ltd. Unit-II	D-27, MIDC Kurkumbh ,Taluka -Daund,Dist.Pune

1b. Authorization Number	***Date of issue***	***Date of validity of consent***
Format1.0/CAC/UAN No.0000163874/CO/2309002283	Sep 28, 2023	Apr 30, 2025

2. Name of the authorised person	***Full address of authorised person***
Mr.Alipasha Saudagar	D-27, MIDC Kurkumbh ,Taluka -Daund,Dist.Pune

Telephone	***Fax***	***Email***
7219713722	02117235231	sanjay.mohite@cipla.com

3.Production during the year (product wise), wherever applicable

Product Type *	***Product Name ****	***Consented Quantity***	***Actual Quantity***	***UOM***
Pharmaceuticals(excluding formulation)	ANTI RETROVIRAL, ANTI INFLAMMATORY, ANTI DIABETIC, ANTI BACTERIALS, ANTI PSYCHOTIC, ANTI HYPERTENSIVE	160.0000	22.97	MT/A

PART A: To be filled by hazardous waste generators

1. Total Quantity of waste generated category wise

Type of hazardous waste	***Wate Name***	***Consented Quantity***	***Quantity***	***UOM***
5.1 Used or spent oil	Used or spent oil	2.400	2.344	KL/Anum
28.1 Process Residue and wastes	Process Residue and wastes	360.000	0.0	MTA
28.2 Spent catalyst	Spent Catalyst	0.360	0.0	MTA
28.3 Spent carbon	Spent carbon	1.140	0.313	MTA
28.4 Off specification products	Off specification product	6.000	4.319	MTA
28.5 Date-expired products	Date expired product	12.000	0.540	MTA
28.6 Spent organic solvents	Spent Organic Solvent	4532.400	1548	KL/Anum
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Empty Barrel /containers	2400.000	1782	numbers/anum
35.3 Chemical sludge from waste water treatment	Chemical sludge from waste water treatment	180.000	50.25	MTA

37.1 Sludge from wet scrubbers	Sludge from wet scrubber	0.300	0.0	MTA
37.3 Concentration or evaporation residues	Concentration or evaporation residues	576.000	91.5	MTA

2. Quantity dispatched category wise.

Type of Waste	***Quantity of waste***	***UOM***	***Dispatched to***	***Facility Name***
5.1 Used or spent oil	2.344	KL/Anum	Recycler or Actual user	M/s Star Petrochem & M/s Navgire petrochemicals
28.1 Process Residue and wastes	0	MTA	Disposal Facility	CHWTSDF
28.2 Spent catalyst	0	MTA	Disposal Facility	CHWTSDF
28.3 Spent carbon	0.313	MTA	Disposal Facility	CHWTSDF
28.4 Off specification products	4.319	MTA	Disposal Facility	CHWTSDF
28.5 Date-expired products	0.540	MTA	Disposal Facility	CHWTSDF
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	1782	numbers/anum	Recycler or Actual user	M/s Ace Tech mercantile
35.3 Chemical sludge from waste water treatment	50.25	MTA	Disposal Facility	CHWTSDF
37.1 Sludge from wet scrubbers	0.0	MTA	Disposal Facility	CHWTSDF
37.3 Concentration or evaporation residues	91.5	MTA	Disposal Facility	CHWTSDF
28.6 Spent organic solvents	1548	KL/Anum	Recycler or Actual user	M/s Square chemicals, M/c Archem Industries

3. Quantity Utilised in-house,If any

Type of Waste	***Name of Waste***	***Quantity of Waste***	***UOM***
	0	0	KL/Anum

4. Quantity in storage at the end of the year

Type of Waste	***Name of Waste***	***Quantity of Waste***	***UOM***
5.1 Used or spent oil	Used or spent oil	0	KL/Anum
28.1 Process Residue and wastes	Process Residue and wastes	0	MTA
28.2 Spent catalyst	Spent Catalyst	0	MTA
28.3 Spent carbon	Spent carbon	0	MTA
28.4 Off specification products	Off specification product	0	MTA
28.5 Date-expired products	Date expired product	0	MTA
28.6 Spent organic solvents	Spent Organic Solvent	0	MTA
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Empty Barrel /containers	0	numbers/anum
35.3 Chemical sludge from waste water treatment	Chemical sludge from waste water treatment	0	MTA
37.1 Sludge from wet scrubbers	Sludge from wet scrubber	0	MTA
37.3 Concentration or evaporation residues	Concentration or evaporation residues	0	MTA

5. Quantity disposed in landfills as such and after treatment

Type	***Quantity***	***UOM***
Direct landfilling	0.0	KL/Anum

Landfill after treatment	0.0	KL/Anum

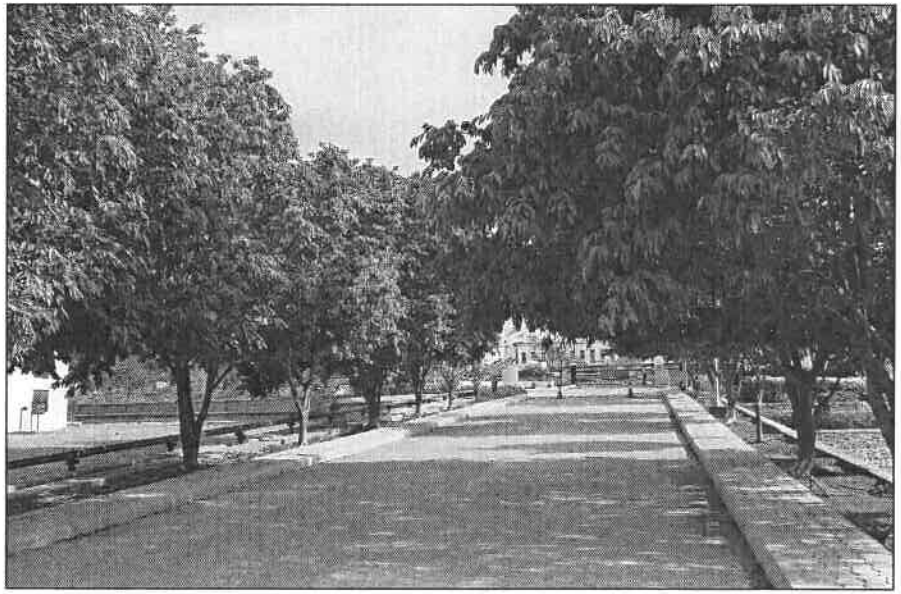
6. Quantity incinerated (if applicable)	***UOM***
0.0	KL/Anum

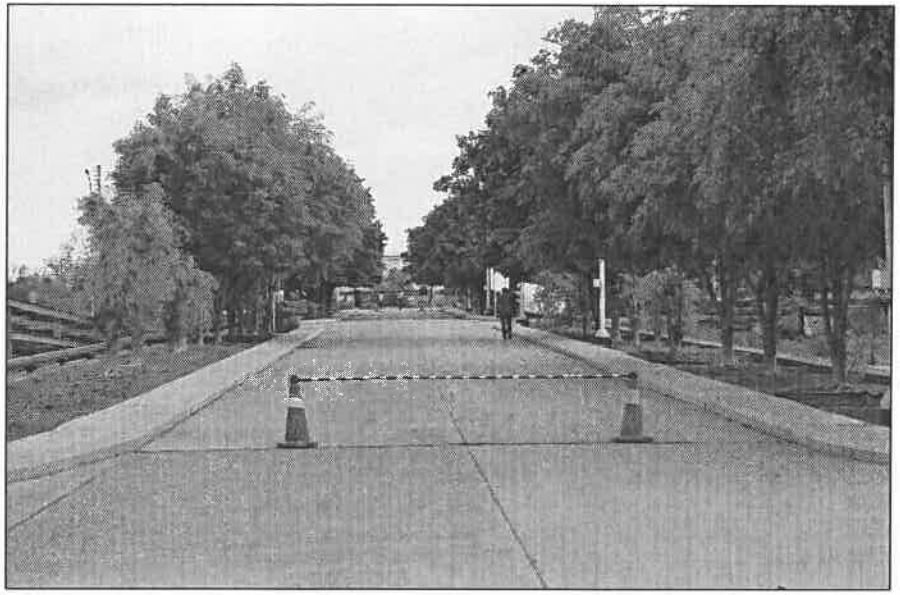
Personal Details

Place	***Date***	***Designation***
Kurkumbh	2024-06-20	Deputy Manager

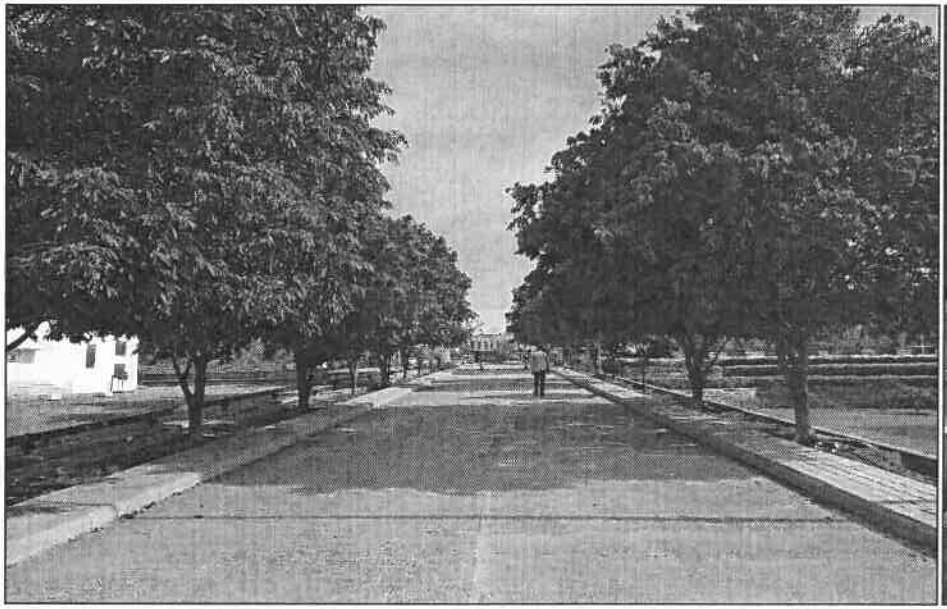
ANNEXURE- VII

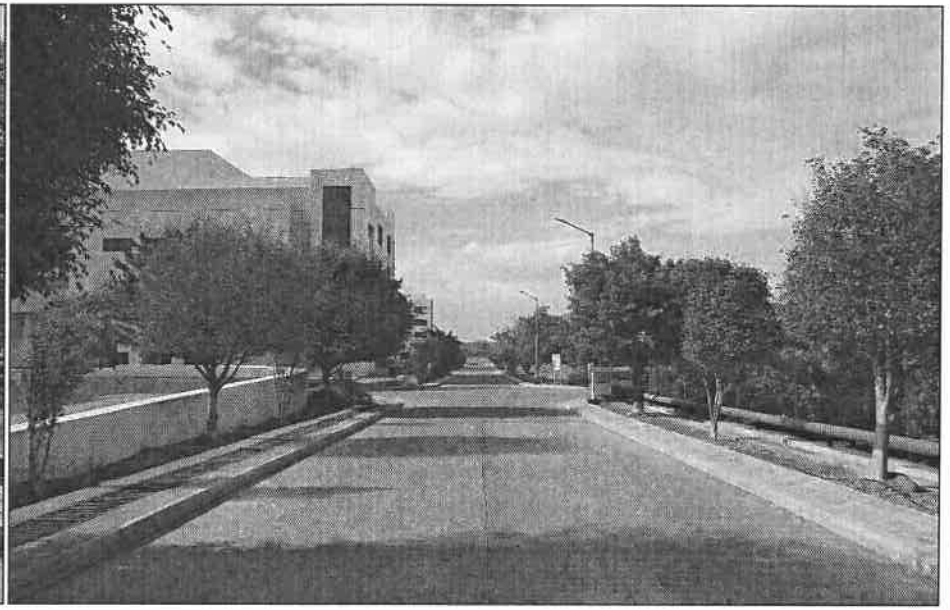
Photographs of Green Belt

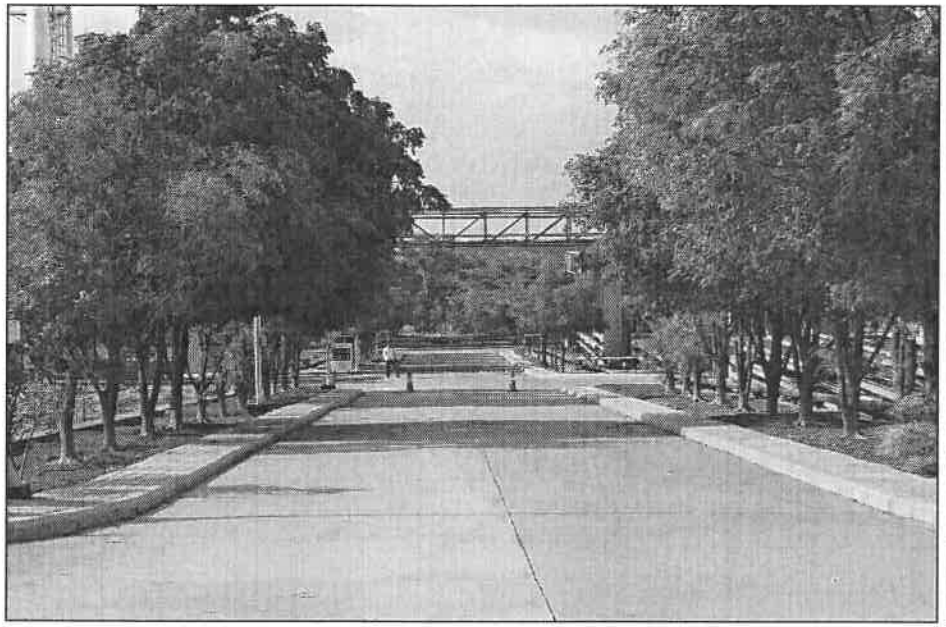


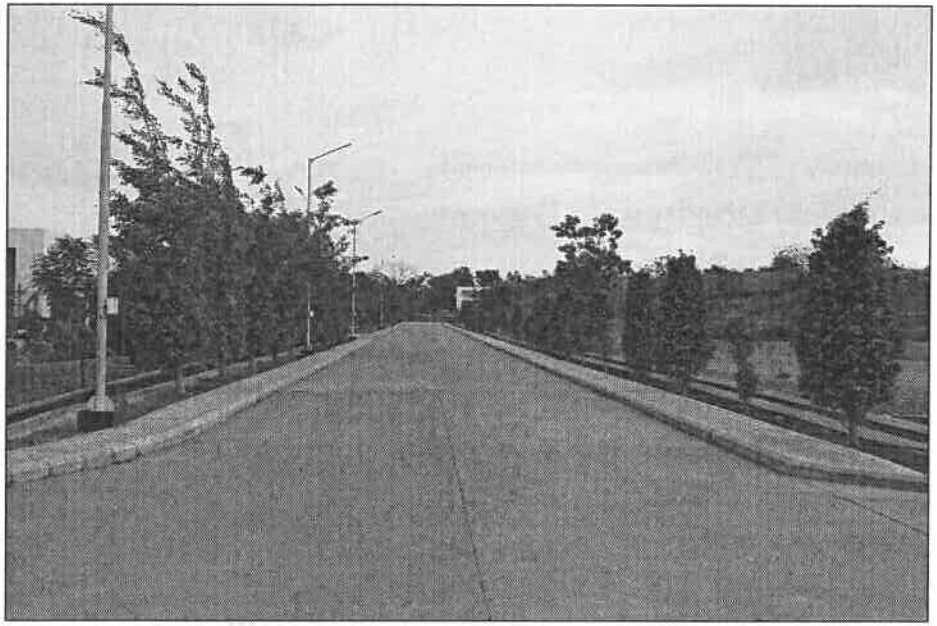


Photographs of Green Belt

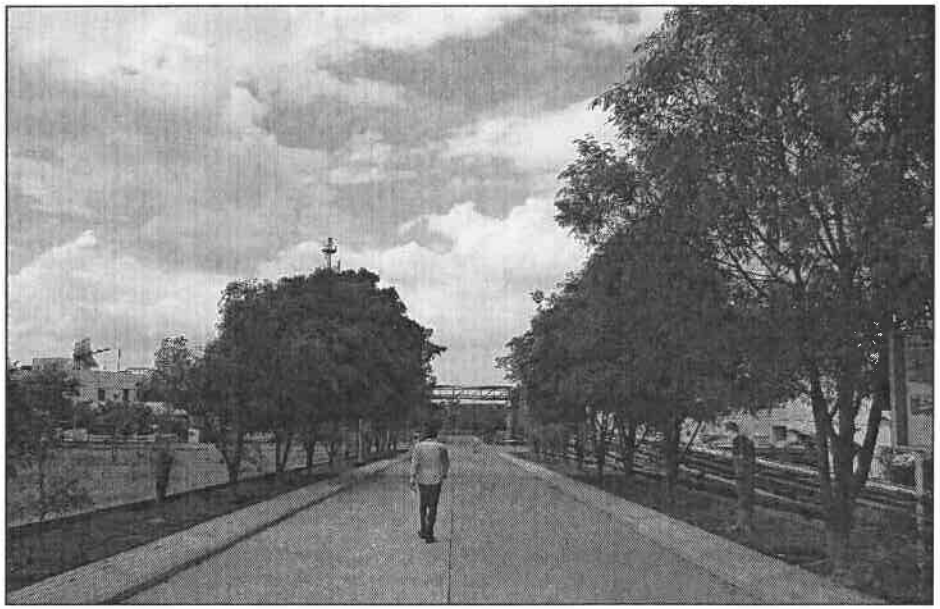


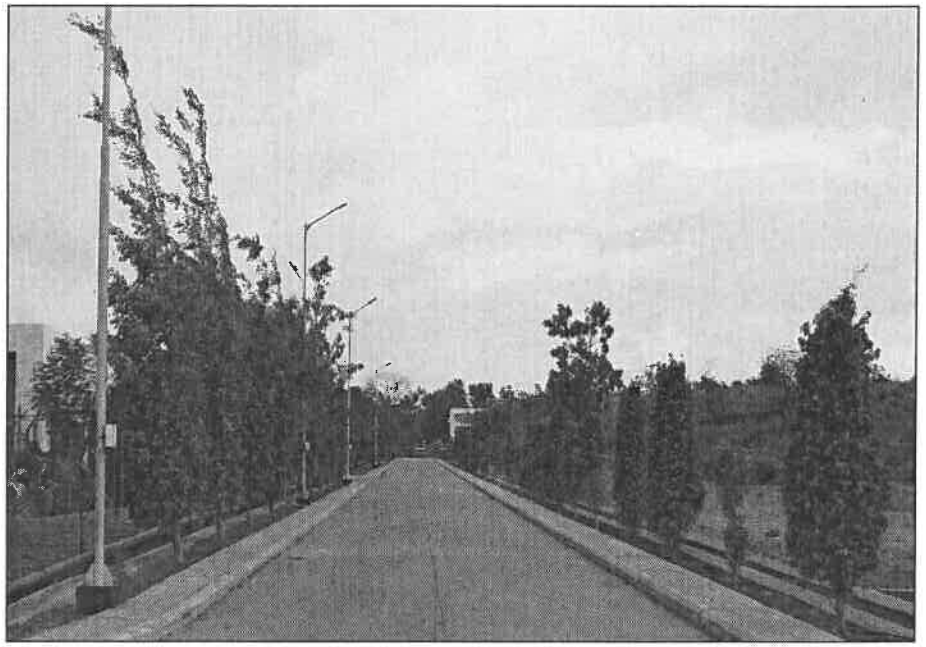




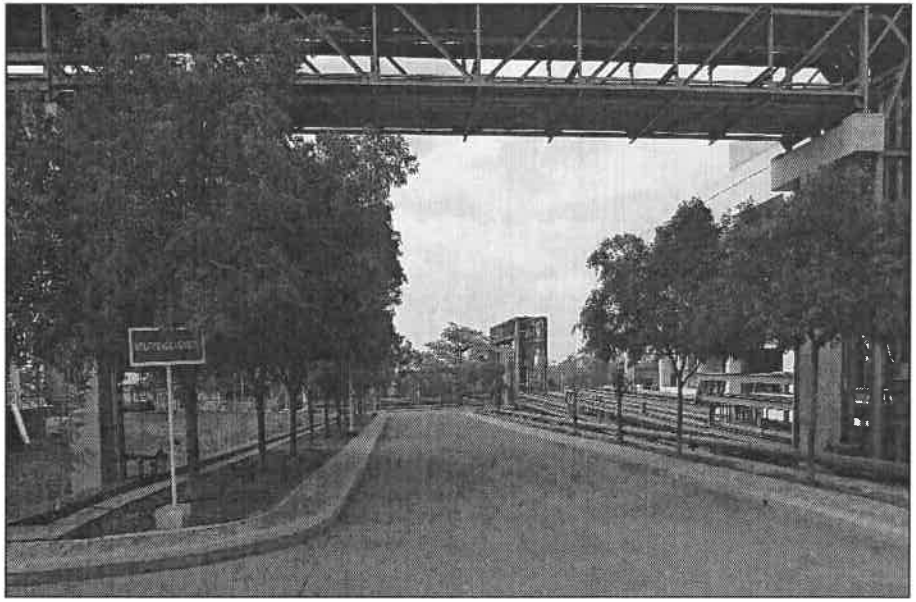


Photographs of Green Belt

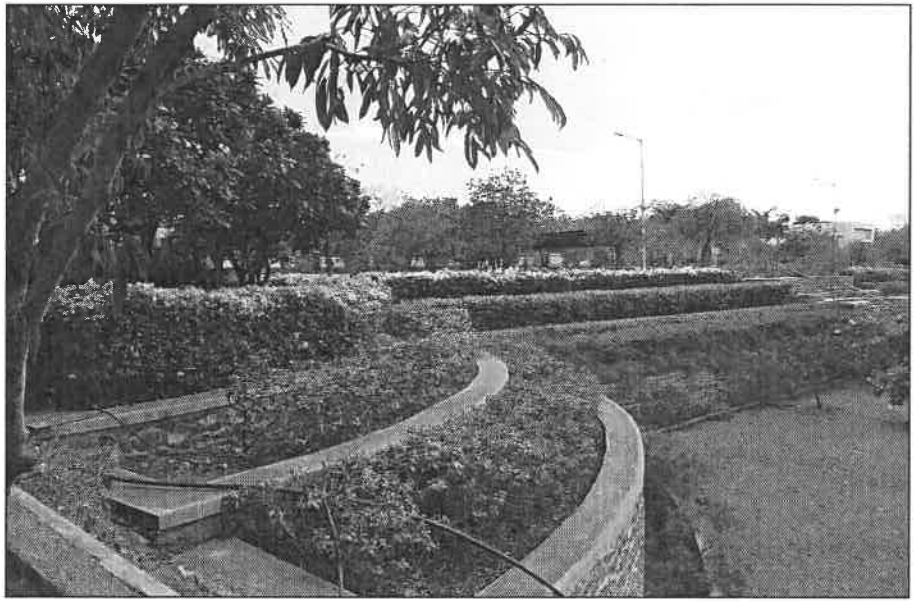




Photographs of Green Belt

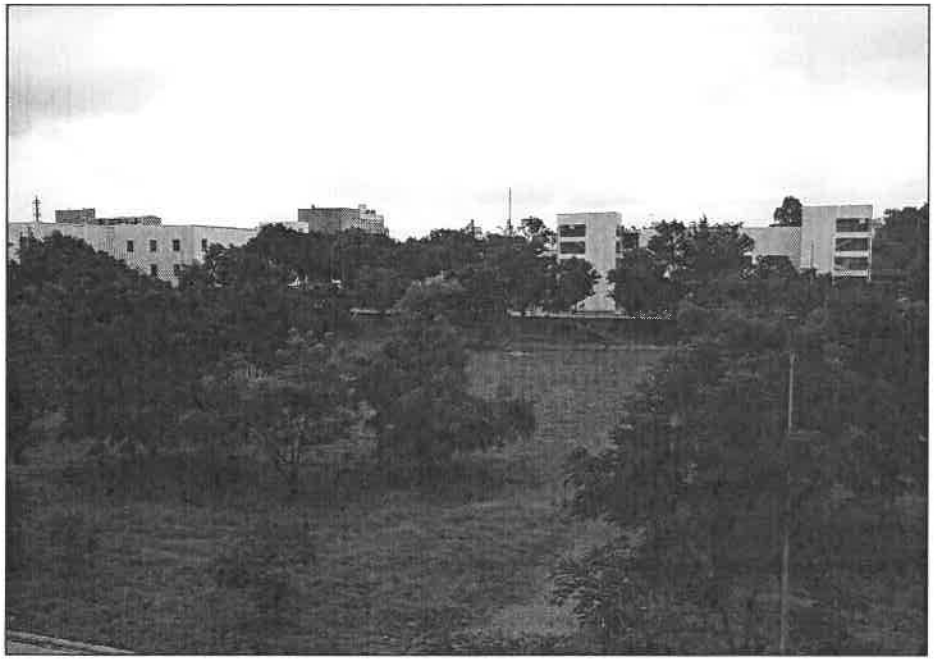


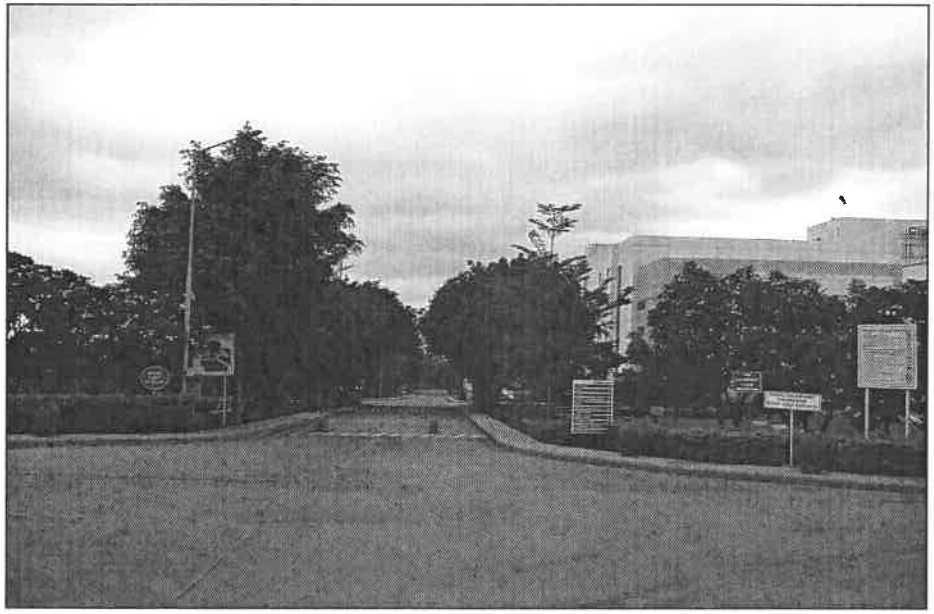
Photographs of Green Belt

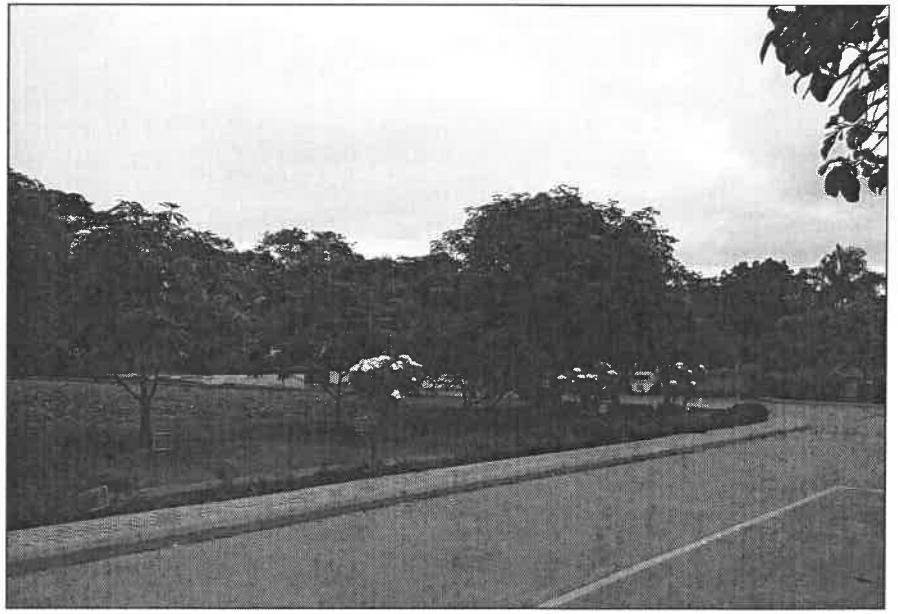


Photographs of Green Belt

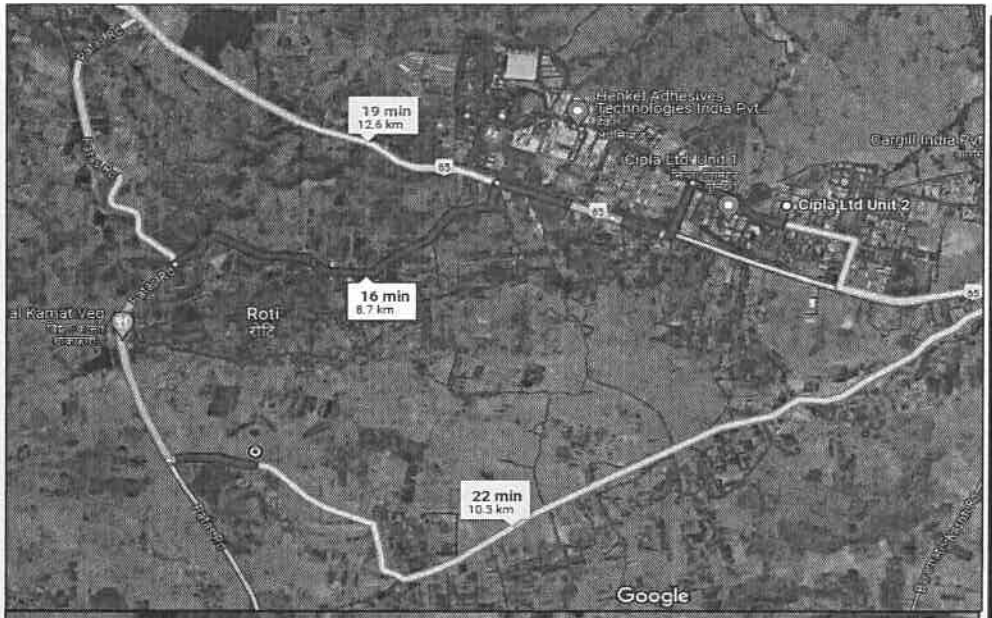
Photographs of Green Belt







Photographs of Green Belt on Additional Land



Green Belt Roti :

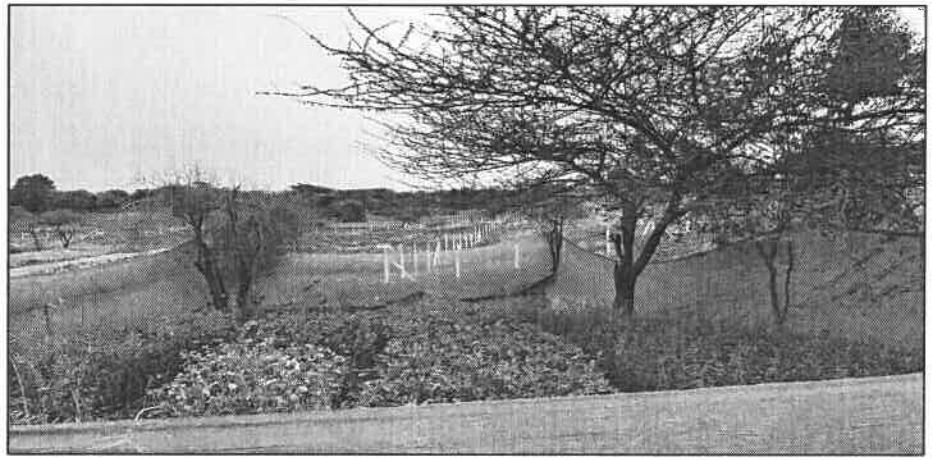
- **Total Plot Area -1,60,000 Sq. M.**
- **Green Belt within premises – 37,150.05 Sq.M. (23.2%)**
- **Balanced Green Belt Area (@Roti village) – 15,800 Sq. M. (9.88%)**

Green Belt Roti Site Preparation

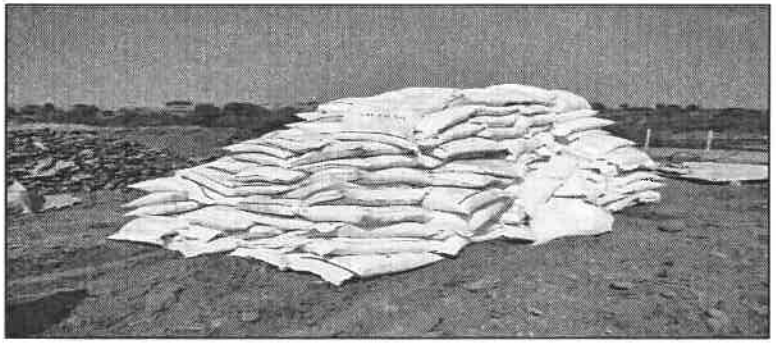
Land Preparation Work

COCO shell

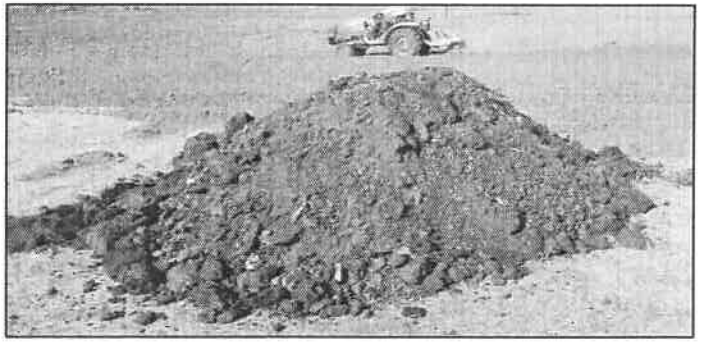
Plant Samples



COCO Pit



Manure



Proposed Green Belt Plan
(Miyawaki Technique)

A comprehensive 'Green Belt Development Program' would be implemented as per the Miyawaki technique.

Features of proposed green belt development program -

- A thick barrier of trees would be created.
- Trees would be planted in the project's premises.
- Indigenous, fast growing, Deciduous, evergreen and semi evergreen tree species would be planted.

Total plot area of Cipla Ltd. (Unit - II) is 16 Ha. Industry has developed green-belt to the tune of 3.71 Ha (23.2%) where under 4,970 Nos. of trees are planted in industrial premises. As per the DoE & MoEFCC guidelines, the GB to the tune of 33% of TPA is required to be developed. But no open area is available on the existing industry plot. As such, the PP decided to implement the deficient GB on a new land parcel preferably in the vicinity of industrial plot. Therefore M/s. Cipla Ltd. has purchased a new land parcel at a distance of 3.7 Km from its existing plot admeasuring 1.58 Ha in the Roti village of Daund taluka. This land has been solely acquired for GB development. Therefore, total green belt area will be 5.29 Ha which is 33 % of total plot area (16 Ha). The GB on new land is under progress and same will be completed in phase wise manner till December 2024. The GB area is 15,800 sq. m. (1.58 Ha) with minimum plantation of 15,800 trees.

Table No. 1 Green Belt (GB) Design Details

Type of Plantation	Location on Plot	GB Area (Ha)	No. of Tree Rows	Trees / Row	Total Trees
Mass Miyawaki Plantation	---	1.58	About 1 sqm area for each 4 species		15,800
Total		**1.58**			**15,800**

Table No. 2. No. of trees to be planted

No.	Botanical Name	Common Name	Quantity	Type	Height	Layer	Type	Category
1	*Azadirachta indica*	Neem	180	Medicinal	25	Tree	Evergreen	Major
2	*Syzygium cumini*	Jamun	180	Fruit	30	Tree	Evergreen	Major
3	*Madhuca longifolia*	Mahua	180	Flower	20	Tree	Deciduous	Major
4	*Alstonia scholaris*	Devil tree	180	Flower	40	Canopy	Evergreen	Major
5	*Michelia champaka*	Champa	180	Flower	15	Sub Tree	Evergreen	Major
6	*Butea monosperma*	Flame of the forest	180	Flower	15	Sub Tree	Deciduous	Supporting
7	*Ficus benghalensis*	Banyan	180	Birds	30	Canopy	Evergreen	Supporting
8	*Saraca asoca*	Sita Ashoka	180	Flower	15	Sub Tree	Evergreen	Supporting
9	*Pterocarpus marsupium*	Indian Kino Tree	180	Medicinal	30	Tree	Deciduous	Supporting
10	*Mangifera indica*	Mango	180	Fruit	35	Canopy	Evergreen	Supporting
11	*Nerium oleander*	Nerium	180	Flower	6	Shrub	Evergreen	Minor
12	*Calotropis Gigantea*	Crown Flower	180	Flower	4	Shrub	Evergreen	Minor
13	*Tabernaemontana divaricat*	Pinwheel Flower	150	Flower	2	Shrub	Evergreen	Minor
14	*Nyctanthes arbor-tristis*	Coral Jasmine	180	Flower	10	Sub Tree	Evergreen	Supporting
15	*Terminalia arjuna*	Arjun	180	Timber	25	Tree	Evergreen	Supporting
16	*Artocarpus heterophyllus*	Jackfruit	180	Fruit	22	Tree	Evergreen	Supporting
17	*Lagerstroemia speciosa*	Pride of India	180	Flower		Tree	Evergreen	Supporting
18	*Gloriosa superba*	Flame lily	150	Flower	4	Shrub	Perennial	Minor
19	*Ficus religiosa*	Peepal	180	Birds	30	Canopy	Deciduous	Supporting
20	*Terminalia bellirica*	Bedda Nut Tree	180	Medicinal	50	Canopy	Deciduous	Supporting
21	*Wrightia tinctora*	Sweet Oleander	180	Flower	10	Sub Tree	Deciduous	Minor
22	*Erythrina orientalis*	Indian Coral Tree	180	Flower	25	Tree	Deciduous	Supporting
23	*Artocarpus hirsuta*	Jungle Jack	180	TBD	35	Canopy	Evergreen	Minor
24	*Sterculia foetida*	Wild Indian Almond	180	Flower	35	Canopy	Evergreen	Minor
25	*Zizyphus mauritiana*	Indian plum	180	Fruit	15	Sub Tree	Evergreen	Minor

26	*Caryota urens*	Fishtail Palm	180	Birds	12	Sub Tree	Evergreen	Minor
27	*Thespesia populnea*	Indian Tulip`	150	Flower	10	Sub Tree	Evergreen	Minor
28	*Murraya koenigii*	Curry Tree	180	Fruit	6	Sub Tree	Evergreen	Minor
29	*Aegle marmelos*	Wood apple	180	Fruit	15	Sub Tree	Evergreen	Minor
30	*Garcinia indica*	Kokam	180	Fruit	10	Sub Tree	Evergreen	Minor
31	*Putranjiva roxburghii*	Putranjeeva	180	Medicinal	12	Sub Tree	Evergreen	Minor
32	*Acacia nilotica*	Babool	180	Flower	20	Tree	Evergreen	Minor
33	*Jasminum sambac*	Arabian Jasmine	180	Flower	3	Shrub	Perennial	Minor
34	*Mimusops elengi*	Bullet Wood	180	fruit	15	Sub Tree	Perennial	Minor
35	*Psidium guajava*	Guava	180	Fruit	15	Sub Tree	Perennial	Minor
36	*Ficus racemosa*	Goolar	180	Birds	40	Canopy	Evergreen	Minor
37	*Moringa oleifera*	Drumstick	180	Fruit	12	Sub Tree	Deciduous	Minor
38	*Cordia myxa*	Assyrian plum	180	TBD	15	Sub Tree	Deciduous	Minor
39	*Adina cordiflolia*	Kadamb	180	Flower	20	Tree	Deciduous	Supporting
40	*Gmelina arborea*	White Teak	180	Flower	30	Tree	Deciduous	Supporting
41	*Santalum album*	Sandalwood	180	Timber	9	Sub Tree	Evergreen	Minor
42	*Cassia siamea*	Siamese Senna	180	Flower	20	Tree	Evergreen	Minor
43	*Areca catechu*	Betel Palm	160	Fruit	20	Tree	Evergreen	Minor
44	*Strychnos nux-vomica*	Nux Vomica	180	Medicinal	25	Tree	Evergreen	Minor
45	*Terminalia elliptica*	Asan tree	180	Flower	30	Tree	Perennial	Supporting
46	*Calophyllum inophyllum*	Indian-laurel	180	FLower	20	Tree	Evergreen	Minor
47	*Feronia elephantum,*	Wood Apple	180	Fruit	9	Sub Tree	Deciduous	Minor
48	*Millingtonia hortensis*	Indian Cork Tree	180	Flower	25	Tree	Deciduous	Minor
49	*Ficus virens / infectoria*	White Fig	150	Birds	27	Tree	Deciduous	Minor
50	*Erythrina stricta*	Corky Coral Tree	180	Flower	30	Tree	Deciduous	Minor
51	*Hardwickia binata*	Anjan Tree	180	Flower	30	Tree	Deciduous	Minor
52	*Punica granatum*	Pomegranate	180	Fruit	8	Sub Tree	Perennial	Minor
53	*Cassia javanica*	PinkShower	180	Flower	25	Tree	Perennial	Minor

54	*Albizzia lebbek*	Lebbek Tree	180	TBD	30	Tree	Perennial	Minor
55	*Terminalia catappa*	Indian Almond	180	TBD	35	Canopy	Deciduous	Minor
56	*Pongamia pinnata*	Pongam Tree	180	TBD	20	Tree	Deciduous	Minor
57	*Bauhinia racemosa*	Bidi Leaf Tree	180	TBD	10	Tree	Deciduous	Minor
58	*Emblica Officinalis*	Amla,	180	TBD	18	Tree	Deciduous	Minor
59	*Lagerstroemia Indica*	Pride of India	180	TBD	20	Tree	Deciduous	Minor
60	*Sapindus emarginatus*	Indian Soapnut	150	Birds	18	Tree	Deciduous	Minor
61	*Anthocephalus cadamba,*	Kadamb	180	TBD	45	Canopy	Perennial	Minor
62	*Ixora arborea*	Torch Tree	170	Medicinal	6	Sub Tree	Perennial	Minor
63	*Albizia procera*	White Siris	180	TBD	20	Tree	Perennial	Minor
64	*Morus alba*	White Mulberry tree	180	Birds	20	Tree	Perennial	Minor
65	*Dalbergia sissoo*	Sheesham	180	Birds	25	Tree	Perennial	Minor
66	*Dalbergia latifolia*	rosewood	180	TBD	40	Canopy	Deciduous	Minor
67	*Strychnos patatorum*	Clearing-Nut Tree	180	TBD	12	Sub Tree	Deciduous	Minor
68	*Pterocarpus santalinus*	Red Sandalwood	180	TBD	8	Sub Tree	Deciduous	Minor
69	*Lagerstroemia microcarpa*	Ben Teak	180	Flowering	15	Sub Tree	Deciduous	minor
70	*Lagerstroemia parviflora*	Crape Myrtle	180	Timber		Tree	Deciduous	minor
71	*Cassia fistula*	Golden Shower	180	TBD	20	Tree	Deciduous	Minor
72	*Adenanthera pavonina*	Red Sandalwood	180	Birds	30	Tree	Deciduous	Minor
73	*Tectona grandis*	Teak	180	TBD	40	Canopy	Perennial	Minor
74	*Holarrhena pubescens*	Bitter oleander	180	Medicinal	3	Shrub	Deciduous	Minor
75	*Randia ultiginosa*	Divine Jasmine	170	TBD	6	Sub Tree	Deciduous	Minor
76	*Holoptellia integrifolia*	Indian Elm	180	Medicinal	18	Tree	Deciduous	Minor
77	*Soymida febrifuga*	Indian Redwood	180	Medicinal	30	Tree	Deciduous	Minor
78	*Diospyros melanoxylon*	East Indian Ebony	180	TBD	25	Tree	Deciduous	Supporting
79	*Elaeodendron glaucum*	Ceylon Tea	180	TBD	5	Shrub	Evergreen	Minor
80	*Abroma augusta*	Devil's Cotton	170	TBD	3.6	Shrub	Evergreen	Minor
81	*Atalantia monophylia*	Wild lime	180	TBD	6	Sub Tree	Evergreen	Supporting

82	*Mallotus philippensis*	Kumkum Tree	180	Medicinal	25	Tree	Evergreen	Minor
83	*Hopea wightiana*	Ponga	180	TBD	18	Tree	Evergreen	Minor
84	*Ficus drupacea*	Mysore Fig	180	TBD	18	Tree	Evergreen	Supporting
85	*Ficus tsiela*	Fig Tree	180	TBD	20	Tree	Evergreen	Minor
86	*Pavettta indica*	Indian Pellet Shrub	180	Medicinal	4	Shrub	Perennial	Minor
87	*Zizyphus oenophloea*	Jujbe tree	180	Birds	1.5	Shrub	Perennial	Minor
88	*Grewia tiliaefolia*	Dhaman Tree	170	TBD	10	Sub Tree	Perennial	Minor
89	*Zizyphus rugosa*	Wild Jujube	170	Birds	10	Sub Tree	Perennial	Minor
Total No. of Plants			**15,800**					

ANNEXURE - VIII

HORIZON SERVICES
Analytical Laboratory

TC - 7064

Lab NABL Accredited - Chemical Field,
Lab Approved by MoEF, New Delhi. (Valid till 18/03/2026)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.
• Mobile : 7249867318, 8378018710 • Tel. : 020 - 25460202, 25460203. • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

AMBIENT NOISE MONITORING REPORT

CLIENT'S NAME & ADDRESS	ULR NO.	TC7064240000007295
M/s. Cipla Limited (Unit - II) Plot No. D - 27, MIDC Kurkumbh Tal- Daund, Dist- Pune	DATED	31/08/2024

Description of Location: Near Boiler		Date: 22&23/08/2024
Noise Level Meter		
Make	:	Lutron
Model	:	SL 4023SD
Serial No.	:	Q697688
Calibration Details:		Calibration Date: 23/10/2023 Next Calibration Due: 22/10/2024

Calibration Result of Noise Level Meter

Calibration	94 dB at 1000 Hz	114 dB at 1000 Hz
Initial	93.1	113.2
Final	93.7	113.4
Sampling Rate	1 sec.	

SR.NO.	DATE	TIME	NOISE LEVEL UNIT dB(A)
	Day Time		
1	22/08/2024	06.00	55.9
2	22/08/2024	07.00	57.8
3	22/08/2024	08.00	58.9
4	22/08/2024	09.00	63.3
5	22/08/2024	10.00	65.5
6	22/08/2024	11.00	61.2
7	22/08/2024	12.00	63.2
8	22/08/2024	13.00	65.9
9	22/08/2024	14.00	68.8
10	22/08/2024	15.00	63.9
11	22/08/2024	16.00	64.7
12	22/08/2024	17.00	60.1
13	22/08/2024	18.00	62.8
14	22/08/2024	19.00	59.6
15	22/08/2024	20.00	57.4
16	22/08/2024	21.00	59.9
		Day Time Leq	63.16

verified by.
11.10.2024

DISCLAIMER :
• Sample will be retained only for 15 days. • Above results indicate to the parameters mentioned only. • Liability limited till issue of test reports only.
• The test report shall not be produced for any legal identity or advertised without permission of lab.

HORIZON SERVICES
Analytical Laboratory

TC - 7084

Lab NABL Accredited - Chemical Field,
Lab Approved by MoEF, New Delhi. (Valid till 18/03/2026)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.
• Mobile : 7249867318, 8378018710 • Tel. : 020 - 25460202, 25460203. • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

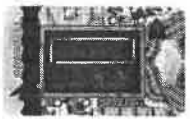
	Night Time		
17	22/08/2024	22.00	62.2
18	22/08/2024	23.00	63.3
19	23/08/2024	24.00	58.4
20	23/08/2024	01.00	60.7
21	23/08/2024	02.00	58.8
22	23/08/2024	03.00	57.2
23	23/08/2024	04.00	58.8
24	23/08/2024	05.00	59.2
		Night Time Leq	**60.28**

Instrument Used: DIGITAL Sound Level Meter (data logging) Q697688
Make. Lutron Make
Calibration Date: 23/10/2023
Next Calibration Due: 22/10/2024

Test Method- Lab SOP Based on IS 9989-1981 / CPCB
Protocol for Ambient Noise Level Monitoring
July 2015, CPCB Regulation on Ambient Noise and Manufacturers Manual

REMARK/OBSERVATIONS:
Note:
Day time shall mean from 6.00 Hrs. to 22.00 Hrs.
Night time shall mean from 22.00 Hrs. to 6.00 Hrs.

Limits: Leq dB (A)
≤75 dB (A) For Day Time
≤70 dB (A) For Night Time



For **HORIZON SERVICES**

(AUTHORIZED SIGNATORY)

****End of Test Report****

ANNEXURE- IX

MOCK DRILL REPORT

Cipla
Kurkumbh

Date: - 15th July 2024
Time: 22:36 Hrs.

Location of Emergency: API I Utility Scrubber area.

Scenario: - Thionyl Chloride vapours leakage through scrubber inlet duct and vapors causing exposure to employee and fire incident. Mock drill taken in the presence of Factory Inspector Mr. Ankush Kharade.

Description: -
On 15.07.2024 the normal second shift work was going on. Thionyl Chloride addition was processed in reactor at API – I. At same this Mr. Balaji Mergal was taking round at API – I utility area near by scrubber no: - SBR 202. Mr. Balaji experienced smell in the scrubber area. So, he decided to check the exact issue. As he reached the exact point of, he observed that Thionyl Chloride fumes were leaking from scrubber inlet line, he started feeling unconsciousness & suffocation due to inhalation of thionyl chloride fumes. Mr. Vinod Rupnawar, who was working in a nearby area, heard the voice of Balaji and went to help him. Production team member Mr. Vinod took him to the nearest safest and fresh area on the opposite side of the scrubber area and loosened his clothes, removed safety shoes and helmet. Meanwhile he also informed production Officer Mr. Manoj Pathare to come with ERT members to the respective place. As the ERT team reached the exact point and observed the present condition. Mr. Manoj used SCBA set to enter in incident area and switched off blower – SBRP – 202 A of scrubber SBR - 202. Meanwhile Mr. Vinod communicated to the emergency contact no. 999 for Ambulance purpose. As communication was done by Mr. Vinod. At the same time Mr. Shridhar Mohite API – I utility operator press the MCP call point. Security team with ambulance reached to location and they shifted the casualty to ambulance by using stretcher and then shifted to OHC. To neutralize vapors of thionyl chloride, ERT members started water spray in scrubber area. All evacuated by respective ERT members, toward Assembly point No. 02. The headcount is properly matched, and all clear sirens given by security team members.

Details of mock drill explained by all seniors.

Observer:

Sr. No	Name of Person	Dept for Observations
01	Ankush Kharade (Factory Inspector)	Overall observation
02	Alipasha Saudagar, Rahul Phalke, Santhoshkumar Kadali, P Gnanamoorthy	Overall observation
03	Satish Katkar	Incident locations
04	Dilip Bhagwat	Emergency Control Centre
05	Amol Kadam	Pump House

Event Summary: -

Time in Hrs.	Action / Event	Action By
22:36	Mr. Balaji observed the smell near Scrubber area SBR - 202.	Mr. Balaji Mergal
22: 39	He started identifying smell source in scrubber area. As he finds the actual source of smell near blower – SBRP – 202 inlet pipelines. Till time he was inhaling the Thionyl Chloride fumes and because of same he started feeling unconsciousness & suffocation.	Mr. Balaji Mergal
22: 43	Officer Mr. Vinod Rupnawar heard the voice of Mr. Balaji and went toward him for help.	Mr. Vinod Rupnawar
22:45	Mr. Vinod Rupnawar moved Balaji with the help of utility operator Mr. Shridhar Mohite to the nearest safe place in front of API-I Utility and removed his safety shoes and helmet. At the same time, he also informed Mr. Manoj Pathare (Shift Officer) regarding the incident. Mr. Vinod Rupnawar called 999 and informed about incident.	Mr. Vinod Rupnawar

22:47	Security Officer Mr. Shivanand Khanapure called for the ambulance.	Mr. Shivanand Khanapure
22:47	Mr. Manoj Pathare came with ERT members. Incident controller Mr. Vinod instructed to Manoj to stop the blower - SBRP – 202 by using SCBA set. Mr. Shridhar Mohite & Mr. Prathamesh Pagdhare reached at location with stretcher.	Mr. Vinod Rupnawar
22:52	As the ambulance reached to the incident location Mr. Vinod Rupnawar instructed Mr. Juber Tamboli & Mr. Ajit Borker to shift causality by stretcher to ambulance.	Mr. Vinod Rupnawar
22:53	The incident controller instructed ERT members Vishal Sonawane / Rajendra Jejurkar / Shridhar Mohite to start waterv spray in scrubber are to neutralize water vapors .	Mr. Vinod Rupnawar & ERT Team
22:54	Security Officer declared emergency and called ERT members to help.	Mr. Shivanand Khanapure
22:56	Site controller took charge in ECC. ERT members did the hydrant point hose connection and started water water spray in scrubber area. Engg. Mr. Amol Kadam took charge in fire pump house.	Mr. Alipasha Saudagar /ERT Members/ Amol Kadam
22:57	The incident controller discussed with the site controller and decided to evacuate API I block & unit level evacuation announcement.	Mr. Vinod Rupnawar Alipasha Soudagar / Security Officer
22:59	All dept evacuation started by their res. ERT members.	Mr. Prathamesh Pagdhare & ERT members.
23:02	Water spray operation stopped after no smell in area.	Mr. Manoj Pathare
23:06	Headcount done by ADMIN and found matching as per dept count. All clear sirens done by security as per site controller instructions.	Mr. Shivanand Khanapure
23:08	Mock drill details discussed at Assembly point 2.	Mr. Ankush Kharade / Alipasha Saudagar/Santosh

		Kadali / Dilip Bhagwat.

Head Count at Assembly Point was taken by Admin

Department	Available in Plant	Came to	In Dept. for critical Operations.
	Total	Assembly Point	
API 1	15	12	03
API II	17	14	03
QC	02	01	01
ENGG	08	06	02
EHS	4	3	1
ADMIN (HK)	3	3	0
OHC	1	1	0
Security	6	4	02
Total	**56**	**44**	**12**

The following are positive points.

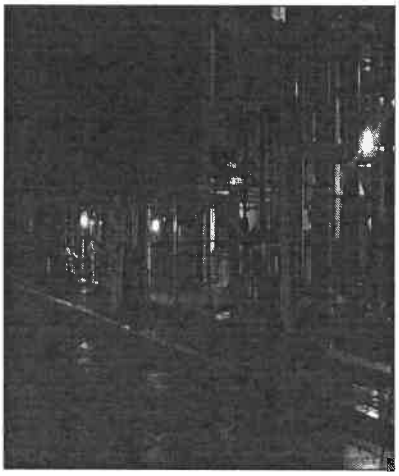
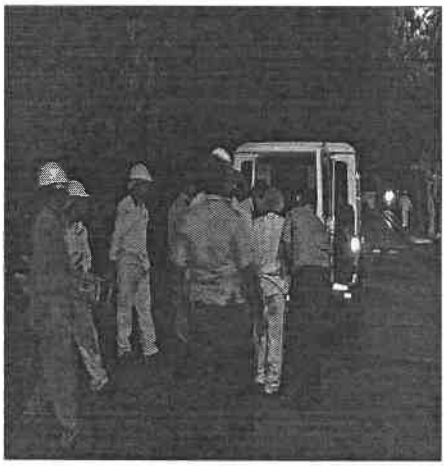
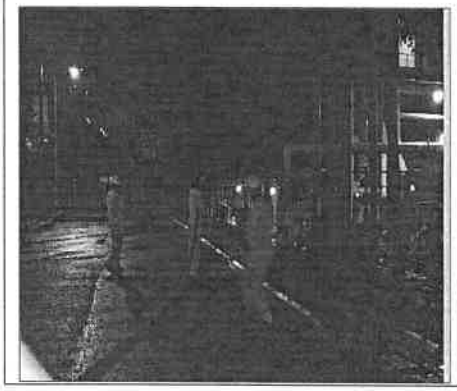
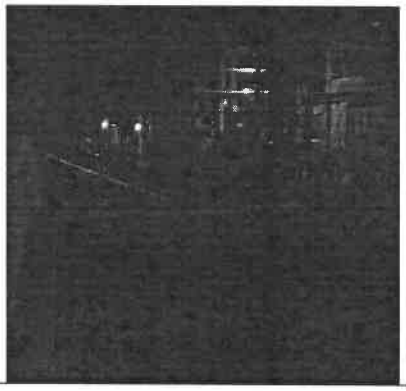
- Incident Controller Mr. Vinod Rupnawar told operator to stop thionyl addition in Reactor after leakage of Thionyl Chloride vapours through scrubber inlet line.
- Safety Squad member Mr. Manoj used SCBA set to enter in incident area and switched off blower of scrubber.
- Mr. Balaji exposed to Thionyl vapours, he was shifted immediately to fresh area and loosened his clothes, removed safety shoes and helmet.

- Mr. Balaji was shifted to an ambulance using stretcher. The process was done properly.
- Water spray is used on Thionyl vapours.
- Good communication by Incident controller Mr. Vinod Rupnawar.
- Head count matched properly at Assembly Point No.2.
- Safety squad member Mr. Prathmesh evacuated plant personnel, toward Assembly point No.2.

Points for improvement

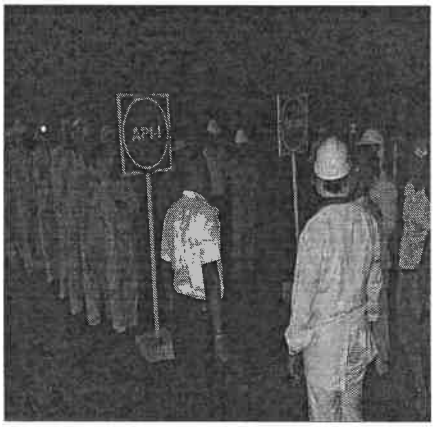
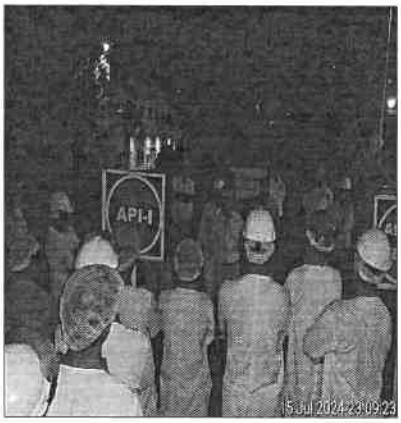
SN.	Observation / Improvement Point	Action Plan	Responsibility	Target Date
1.	Delay in arrival of Ambulance at Incident Location. It takes 05 minutes instead of 2-3 minutes	Training against fast communication provided to security team.	Mr. Ganesh Joshi / Mr. Santosh Pagare.	30.07.2024. **Completed**
2.	Safety squad member waited for ambulance to shift victim. And started water spray on Thionyl vapours.	Training against what action should taken if ambulance delay.	Mr. Ganesh Joshi / Mr. Santosh Pagare/ Prajakta Ghode.	30.07.2024. **Completed**
3.	Paging system not used during mock drill.	Training to security team against Paging system.	Mr. Ganesh Joshi / Mr. Santosh Pagare/ Chetan Ghorpade.	30.07.2024. **Completed**
4.	Area space constraint observed in OHC during stretcher movement.	All the material & equipment removed to avoid space constraint.	Mr. Chetan Ghorpade.	20.07.2024 **Completed.**

Photograph as per sequence given below: -

Incident location	Operator taking round	Suffocation to operator
		
Near by person reached for help	Victim shifted on stretcher	Ambulance arrived & Victim shifted
		
Water spary on vapors	Incident area barricading	Assembly Point – II
		

MOCK DRILL REPORT

Cipla
Kurkumbh

Headcount at Assembly Point	Discussion of observations	Discussion by Factory Inspector
		

THANK YOU...!

Safety audit

As per the Rule 3 (b) of the Maharashtra Factories (Safety Audit) Rules 2014.

(Methodology as per IS 14489)

Of

CIPLA LIMITED

PLOT NO D 27, KURKUMBH MIDC

AREA,TAL:DAUND,DIST:PUNE ,MAHARASHTRA 413802

AUDITED BY

SUDHIR S. MANE

(B.E.MECH. B.P.E & A.D.I.S.)

Approved Safety Auditor by Govt. of Maharashtra,
Directorate of Industrial Safety & Health, Mumbai
Certificate no.-MS/DISH/ST/SL/M-009/2021 Valid Up to 11/08/2023
E Mail: sudhirsmane@gmail.com

Approved Safety Auditor by Govt. of Maharashtra,

IN

NOVEMBER 2022

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SCHEDULE II

(See Rule 8 & 9)

Name and Address of the Company	**CIPLA LIMITED** **Plot No. D-27, MIDC Kurkumbh, Tal. Daund, Dist-Pune. 413802.**
Name of the Occupier/ Manager	**Mr. Umang Vohra/ Mr. Mangesh Vaze**
Date of Audit	**16/11/2022**
List of Raw materials with Maximum Storage quantity	ENCLOSED
List of Finished products with maximum storage quantity	ENCLOSED
Manufacturing process flow chart	ENCLOSED
P.I.Diagram of all plants (Chemical Factories)	**NA**
Name of the Safety Auditor & certificate no.	Mr Sudhir S. Mane MAHARASHTRASTATE/IND.SAFETYANDHEALTH Certificate no.-MS/DISH/ST/SL/M-009/2021 Valid Up to 11/08/2023
Whether enclosed Safety Audit Report as per IS 14489, or any such standards prevailing at the relevant time, whichever is latest	Yes SAFETY AUDIT DONE AS PER IS 14489
Date & Signature of Safety Auditor	

I (Occupier) undertake to submit the action taken report on recommendation of Safety Audit on or before

Date

Signature of Occupier/ Factory Manager

AKNOWLEDGEMENT

We would like to express our deep gratitude towards the Management of CIPLA LINITED UNIT II ,Plot No. D 27 , MIDC Kurkumbh, Daund MAHARASHTRA 413802 ,for giving us an opportunity & assigning the responsibility of carrying out SAFETY AUDIT of this plant.

We extend our sincere and heartiest thanks to the management of CIPLA LIMITED , Unit II, Plot No D27 , MIDC Kurkumbh, Daund, MAHARASHTRA 413802 , & team for their courtesy and co-operation extended to us at every step while doing the safety Audit.

It is really pleasing to note that the company Management is putting substantial efforts and emphasizing for improving the culture on Health, Safety and Environment along with production activities.

We appreciate highly the Management has shown interest towards Safety, Health and Environment.

Hereby we are submitting our report to the Management of CIPLA LINITED UNIT II ,Plot No. D 27 , MIDC Kurkumbh, Daund MAHARASHTRA 413802

, This Safety Audit is prepared after carrying out the detailed audit of their existing systems which are in operation and issued for the guidance, compliance and awareness on Health & Safety for all employees of the company for their internal circulation.

Along with suggestions & for the purpose of compliance various statutory requirement.

INTRODUCTION

Determining the action to remove hazards before personnel injuries or damages occur and for ensuring that the whole safety efforts is effective meaningful and the objectives understood.

- This is an important and useful technique for industrial managements
- Safety audit subjects each of a company's activity to a systematic critical examination with the object of minimizing loss. Every component of the total system including layout and construction of the plant, operating procedures, emergency plans, PPE standards, accident records etc.
- An audit aims to disclose the strengths and weaknesses of the main areas of vulnerability or risk and is carried out by appropriately qualified personnel including safety professionals
- It is normal part of good business practice to initiate and carryout systems of inspection and checking to ensure that operations are performed in an efficient way and profitable way. Particularly for any chemical industry safety is of ultimate importance taking into account the hazards associated with it.

Safety audit generally comprises of evaluation of existing EHS policy, existing Safety system, Safety Organization, Occupational health hazards/fire explosion/spillage/leakage hazards, adequacy of existing fire protection arrangements/system & general review of the compliances of statutory provision under Govt. notification along with suggestion/recommendation & loss controls measures.

Accident prevention is an important aspect of any efficient operation as a part of industrial safety. A systematic method which identifies the areas of risk & vulnerability effect of hazard & its potential for accident in existing or in modified areas or in proposed plant, for increasing the falling of safety standards for determining the necessary action to control the hazard before occurrence of personal injuries or damaged & for ensuring the whole safety efforts for its effectiveness & meaning completeness is called SAFETY AUDIT.

NEED OF SAFETY AUDIT

It has been a tendency to evaluate safety performance in term of standard indicators like accident frequency & severity rates & assignment of the financial loss. In fact, the absolute value of this indices or their relatives decline over time even from the basis for national recognition of safety performance throughout the national safety awards of the Govt. of the India but these indices are only quantitative measurements of the failure of the system & often do not reflect or even may not be directly related to the nature of the company's safety system.

The bureau of Indian standards, new daily under IS/CODE: 14489:2018 is standard code of practice on Occupational Safety & Health audit & IS 15001:2000 Indian standards on occupational health & management system are recognized as available reference standard for conducting the Safety Audit.

SAFETY AUDIT:

Covers the following areas pertaining to the various Safety Management Systems as per requirement of IS: 14489:2018

SN	SCOPE OF SAFETY AUDIT
1	Health & Safety Policy of the Company
2	Safety Organization
3	Safety education: Training schedule, record etc.
4	Employees Participation in Safety Management
5	Safety Promotional activities
6	Compliance with Statutory requirements
7	Accident reporting, Investigation & Analysis
8	Safety Inspection
9	Health Monitoring System: First aid, Occupational Health Center
10	Personal Protective Equipment
11	Housekeeping
12	Machines & General guarding
13	Material Handling

14	Electrical & personal safe guarding
15	Ventilation, Illumination & Noise
16	Safe Operating Procedure
17	Fire Prevention & Control
18	Emergency Preparedness Plan & Mock Drill
19	Safety in Storage & Ware House
20	Work Permit System
21	Contract Safety System

STATUTORY REQUIREMNTS OF SAFETY AUDIT:

It must also be stressed however, that though there is no specific statutory obligation for conduct of such audit, there is a definite, but indirect statutory basis for adopting it.

In particular, the amendments to factories Act, 1987, only top management as occupier, (section 2(n) and incorporating a general duty on the occupier, (Section (7A) calling on him to provide a safe system of work. thus, carrying out a periodic safety audit and honestly implementing its recommendations become a part of meeting this legal responsibility further though there is no specific provision, factory inspector could call on managements to carry out such an audit and such directions have been given by Inspectors in various companies, particularly those using hazardous processes as par section 2cb where small quantity of solvent like HSD, Acids, Paints, LPG storage and handling

Under the Manufacturing, storage and import of Hazardous Chemicals Rules 1989 and amended Rules 1994 framed under Environment Protection Act 1986 the companies using & handling of hazardous chemicals further given the trends in modern safety legislation worldwide, it is likely that mandatory safety audits will be part of Indian low in some foreseeable future.

As par the rule 10 (4) of the "Manufacture, Storage and import of Hazardous Chemicals (Amendments) rules 1994 and also as par the MFR, 2003"

The occupier of both the new and the existing industrial activities shall carry out an independent safety audit of the respective industrial activity with the help of an expert not associated with such industrial activities.

The occupier shall forward a copy of the Auditor report along with its comments to the concerned authority within 30 days after the completion of such Audit

The occupier shall update the safety audit report once in a two year by conducting a fresh safety audit and forward a copy of it with his comments thereon within 30 days to the concerned authority.

The concerned authority may, if it deems fit, issue improvement notice under rule 19 within 45days of the submission of the said report.

Section 8 of the petroleum Act, 1934-A person need not obtain a license for the import,

Transport or storage of petroleum Class A not intended for sale if the total quantity in his possession does not exceed 30 liters

Section no.7 of the petroleum act, 1934-A person need not obtain a license for the transport or storage of petroleum Class B & Class C if the total quantity in his possession at any one place does not exceed 2500 and 4500 liters and none of it is contained in a receptacle exceeding one thousand in capacity.

SAFETY AUDIT – PROCESS:

- Preparation by Auditors & the audited to find what is to be audited & how? Refer details of IS 14489:2018
- Preliminary discussion with Management & key person.
- Submission & discussion of pre audit questionnaire.
- Field work – To examine documents & data, Interview key persons & evaluate physical condition & visit & evaluation of all work places & work practices etc.
- Report Writing.
- Presenting the report to Management.
- Implementing the recommendation & reviewing their effect by Management.

OBJECTIVE OF SAFETY AUDIT:

The broad objective of Safety Audit is to critically evaluate & assess existing safety system, compare the existing safety with standards of safety code & system & identify the areas of improvements & control hazards, Confirmation of the implemented safety system with specified requirements for meeting the statutory requirements.

The define objectives of safety audit are as under-

- To carry out systematic, critical appraisal of all potential hazards involving personal plants, services & operational methods.
- To ensure OS & H system is fully satisfied with legal requirement & those of companies return safety policy & progress.
- To identify the potential fire, safety, health & environment hazards.
- To study existing measures, procedures & system for controlling these hazards.
- To suggest & recommend the changes, additions/alterations so as to improve the effectiveness of existing procedures, organization & program.

1. **SCOPE OF SAFETY AUDIT:**

The following will be broad area of inspection, examination & verification of documents decided by the auditors for conducting the audit for aforesaid company.

- Management philosophy on SHE policy including the role of existing safety department & organizational set up.

- Existing lay out details of the plant
- Existing procedures & safe work permit systems
- Fire prevention & protection system
- Safety in storage, handling & transportation of hazardous liquid chemicals in the plant
- Existing electrical safety systems
- Existing safety education, training system & budget
- Review of operation procedure – Operating conditions, hazard identification & control system, safe operating procedures & disposal of waste, fire protection system, emergency preparedness etc.
- General hazards & their control systems.
- Covering of machine guarding, material handling systems & equipment's, working surface of drainage system, means of access, electrical hazards, handling of hazardous chemicals, process hazards, chemical process & its hazards, MSDS of chemicals, storage of bio gas waste, bio gas storage & its hazards & housekeeping etc.
- Role of safety management/safety training/motivation
- Uses of PPE's

2. LIMITATION OF THE STUDY:

Our study does not cover following aspects.

- Environmental audit & environmental protection system
- Risk & consequences analysis
- Systematic analysis for the earth quake zones
- Legal liability for obtaining extra licenses from CCOE, Nagpur or other statutory authorities

3. ELEMENT COVERED UNDER SAFETY AUDIT:

The details of management & technical elements listed out as below are covered during audit & each of the elements is again sub divided into sub elements. The elements are given in the table.

DETAILS OF ELEMENTS OF SAFETY AUDIT:

1	EHS Policy of the company
2	Safety & Health organizational set up
3	Education & Training
4	Communication, motivation & promotion in safety
5	Safety inspection/safety survey
6	Accident reporting, investigation & implementation of recommendation
7	Maintenance of accident statistics & its utilization
8	Safety Audit
9	Compliance of statutory requirements
10	Use of personal protective equipment's

11	Process/Plant modification procedures
12	Safe operating procedures
13	Work permit systems
14	Firefighting system
15	Health & safety improvement plant/targets
16	Prevention of occupational disease
17	Work environment system
18	First aid facilities
19	Medical examination
20	Availability of material safety data sheet
21	On site/Off site emergency preparedness plan
22	Hazardous waste treatment & disposal
23	Storage handling & movement/transportation of hazardous chemicals
24	Hazard identification
25	Contract safety system
26	New equipment – Review/inspection

Note – The list only indicative & not exhaustive questionnaires are made as per the requirement & objectives of the audit which is changing from time to time.

4. METHODOLOGY USING FOR CONDUCTING SAFETY AUDIT:

We have adopted the reference standard IS 14489:2018 prepared by Bureau of Indian standard, New Delhi.

The following are the stages/steps while conducting the safety audit.

- Collection of preliminary information & data on the existing safety system & program questionnaire given in the preface of report.
- Planning the audit exercise including the time frame, special focus on identified areas, collection & study of relevant standards.

COMPRISES OF FOLLOWING:

- Inspection of all plant areas & following the product flow
- Inspection of all supporting services like substation, plants & compressor house, stores, maintenance workshop etc.

- Discussion with managers, supervisors, workmen in all these areas.
- Perusal of records & study of key documents (license) in all these areas.
- Study of activities, record & discussion with personal of HR, Production & Maintenance dept.
- Analyses of the data collect & report writing.
- Submission of draft report, if necessary & discussion on it with the company management.
- Presentation of final report with recommendation.
- The report takes a holistic approach in critically appraising each support of safety with reference to all the departments in the company.
- Compliance of statutory requirements.

5. LIST OF DOCUMENTS VERIFIED DURING SAFETY AUDIT (REF: IS 14489-2018) :

Safety, Health & Environment policy of the Organization.

Existing organizational structure/organization chart.

Safety training records

- Fire safety
- First aid
- Housekeeping
- Operation & maintenance of all the area
- In house/outside training program/participation
- On any other relevant safety aspect

Verification of accident investigation report/record/register maintained by company SOP for various operations, Health register/record of employees duly approved by certified surgeon.

Record of following industrial hygiene survey conducted by company in the premises

- Issue work permits
- Noise level measurements
- Illumination survey
- Material safety data sheet
- Ventilation survey

RECORD AND DETAILS OF FOLLOWING FOR AUDITORS' VERIFICATION:

- Record of waste disposal
- Any dangerous occurrences
- Effluent discharge
- Approval of lay out drawings with installation of equipment's/machinery lay out
- Calibration of pressure/temperature gauges
- Modification/alterations carried out if any
- Service inspection as per statutory requirements
- Previous audits/studies/reports
- List available safety gadgets
- Minutes of safety committee meetings
- Shut down procedures

- Earthing/Bonding records as per IS 3043
- Inspection books & statutory records

SAFETY COMMITTEE MEETING DETAILS:

- Record of Safety committee meetings(minutes)
- Action plan for suggestion of safety committee
- List of members of safety committee

DETAILS OF LICENSE COMPLIANCE FOR VERIFICATION:

- Factory license
- Copy of approval plan for building/premises/petroleum products etc.
- Details of inspection of pressure vessels & lifting machines
- List of personal protective equipment's used in the premises
- Group insurance policy of contract labor
- Insurance policy of company for measures against natural perils/disasters
- Record of calibration of equipment/instrumentation

COMPANY PROFILE

Cipla established in 1935 by Dr. K.A Hamied with the promise, "Never again will India be starved of essential drugs."

Mahatma Gandhi visited Cipla in 1939 and approached the company to initiate the manufacturing of essential life-saving medicines in India. This was the first step for the country towards self-reliance in healthcare.

Cipla Manufactured the first API in India in 1960.Today Cipla is one of the world's largest generic pharmaceutical companies.

Cipla revolutionized HIV/AIDS treatment for the world by introducing medicines at less than a 'Dollar a Day'.

Manufactured inhalers for asthma in India through innovations in technology and today offers a unique range of drugs, dosage forms and devices for asthma and COPD.

Established the Cipla Palliative Care Centre in Pune, India which provides holistic care to terminally ill cancer patients free of cost.

Founded the chest Research Foundation (CRF), Pune, India in 2002 with the goal of building world –class research in respiratory medicine in India.

Cipla has over 34 internationally approved manufacturing facilities

Cipla manufacturing facilities have approvals from US FDA, WHO-Geneva, MHRA –UK, TGA-Australia, SUKL-Slovak Republic, APVMA –Australia, MCC-South Africa, PIC-Germany, Danish Medical Agency, INVIMA-Colombia, NDA-Uganda, Department of Health-Canada, among others.

Over 1000 products across various therapeutic categories, 50 dosage forms, 20 world's firsts.

Cipla has presence in over 100 countries and having over 20,000+ employees

Extending support to patients through disease-specific informative websites, awareness campaigns, checkup camps, educational booklets, films, etc.

At Cipla it's not only about making medicines, it's about caring for life.

In 1994, Cipla began its commercial production at Kurkumbh, Maharashtra.

- It is housed on a 106-acre site at Plot Number D-7, D-8,D-22 & D-27 in the Kurkumbh Industrial Area.
- At Kurkumbh Manufacturing site of the Company there are 3 units with 13 production blocks with strong work force of more than 1750 employees.
- The factory is built to international standards adopting the best prevailing practices of technologies.
- Cipla, Kurkumbh has full-fledged Quality control Lab, Microbiology for testing of the drugs to meet the international standards like USP, BP. IP etc.
- Cipla Kurkumbh is complying with all the Consent parameters laid down by the Maharashtra Pollution Control Board and have developed Green Belt for planting more and more trees.
- Cipla has a Quality Policy where all the staff is committed to manufacture drugs, which are safe and efficacious.
- The factory is equipped with highly sophisticated Effluent Treatment Plant & Reverse Osmosis (R.O.) Plant and treated effluent is recycled for utilities.
- The factory provides facility of a well-equipped Occupational Health Centre (OHC).
- It has excellent firefighting system with well trained staff to respond to any emergency situation in the factory and also has presence of trained first Aiders in every department
- Kurkumbh factory received "Sword of Honour" in Health and Safety Management Award from British Safety Council in the year 2006.
- Cipla Kurkumbh received National Award for Excellence in Water Management from CII in the year 2006 and 2012.
- Cipla Kurkumbh achieved State level Award for Excellence in Energy Conservation & Management from Maharashtra Energy Development Agency (MEDA) in the year 2015
- Cipla Kurkumbh received "Green Co-Silver" award for successfully achievement of the standards of Green Company Rating System from CII in the year 2014.
- Cipla Kurkumbh certified for ISO 50001:2011 (Energy Management System) from SGS (certifying agency).

Location of the Project

CIPLA Limited, Plot No. D-27,
MIDC Kurkumbh, Tal. Daund, Dist. Pune. 413802. INDIA.

GENERAL INFROMATION

1	Name of the company	**M/s. Cipla LTD**
2	Address	**Plot No. D-27, MIDC Kurkumbh, Tal. Daund, Dist- Pune. 413802.**
3	Telephone	**02117230601**

4	Fax	**02117235232**
5	Email	**joshi.ganesh@cipla.com**
6	Total area of the company	**40 Acre**
7	Annual Turnover	**----**
8	Occupational Health Centre	**Available**
9	Name of Occupier/Manager	**Mr. Mangesh Vaze.**
10	Name of Safety Manager/ Coordinator	**Mr. Ganesh Joshi**
11	Factory Manager	**Mr. Alipasha Saudagar**

No. of Employees:-

Category	Male	Female	Total
Management Staff and Workers	**200**	**06**	**206**
Contract workers	**204**	**03**	**207**
Total	**404**	**09**	**413**

C) No. of Shifts & Timings:-

Shifts	I	II	III	General
Timings	**07:00 To 15:30**	**14:45 To 23:15**	**22:45 To 07:15**	**08:45 To 17:15 Hrs.**

DESK DISCUSSIONS & PERSONS MEET DUSRING AUDIT –

1.Mr. Ganesh Joshi
2. Mr. Pravin Kutwal
3. Mr. Vinay Prajapati
4. Mr. Mandeep Kashyap
5. Mr. Sagar Etam
6. Mr. Aniket Jadhav
7. Mr. Sunil Suryavanshi
8. Mr. Gorakh Dudhe
9. Kailas Mahadekar
10. Alipasha Saudagar

OBSERVATION & RECOMMENDATIONS

SR NO.	OBSERVATION	RECOMMENDTAIONS
A	**Main Gate**	
1	Head count system available manually.	Head count system to be reviewed for auto head count.
B	**TANK FARM**	
1	Non sparking tools available	Good practices
2	Pressure gauges LSHS line(PG-009,PG-010 not working	Gauges to check and ensured for proper functioning.
3	Rusting of earthing lugs	Replacement of rusted earthing lugs for proper leakage current dissipation.
4	Tanker unloading Sops displayed in Hindi language	Good practices
5	Authorised person's name displayed	Good practices
6	Isolation valve of the hydrant not locked in the open positions	Ensure that the all hydrant main valves to be locked in open position
C	**DP stores**	
1	Chemical compatibility charts displayed /available	Good practice
2	Hydrocarbon sensors available	Good practice
3	MSDS Copies / Abstracts available	Good practice.
D	**MCC Room -ETP**	
1	Electrical SLD not available and not displayed	Electrical Panels and Distribution Boards SLD shall be made available near the respective Panels and Distribution boards
2	IC/OG tags nomenclature not available	Details of Incoming /outgoing to make available.
3	Blinds not provided for the open slots in the panel.	Blinds to provide for open slots in the panels
4	Panel door earthing not available.	Panel door earthing to check and review
5	Danger signages provided as per IS2551.	Good Practice
6	compatibility chart displayed is not generic - it is for the specific chemicals used at the location	Good Practice
E	**ETP**	
1	MSDS abstracts of the storage chemicals to be displayed	MSDS abstracts and Storage Practice SOPs & Dos and Don'ts needs to be displayed
2	Housekeeping solutions kept in the lab	Housekeeping chemicals to be kept in designated place with proper identification or labelling
3	PPE box available ETP LAB	Good Practice

SR NO.	OBSERVATION	RECOMMENDTAIONS
D	**API Stores**	
1	One of the storage containers loaded at the extreme edge	Ensure no over stacking to avoid the fall
2	Containers in the cold storage kept on the floor	proper placement of the containers to be done
E	**AP-1**	
1	Centrifuge CF 207 nitrogen purging braided hose pipe damaged and length is less hence tight in fitting	Damaged braided hose pipe needs to be replaced with new and correct length hose pipe ,and tight fitting to be avoided
2	Transfer Line 205 to R 219 pipe line supported on the reactor pipe	transfer line supports to be reviewed and corrected
3	Flange jumpers broken	Flange jumpers in the area to review and replaced immediately to avoid any static dissipation
7	Utility	
1	Vacuum pump 215 gland broken and leakage observed	Leakage to arrest and use of the spill kit to ensure
2	Danger signages provided as per IS2551.	Good Practice
8	**Transformer**	
1	Danger signages provided as per IS2551.	Good Practice
9	**Fire Pump room**	
1	Secondary containment to provide for the Diesel Storage tank.	Diesel contaminant to provide for preventing any accidental leakage.
2	Wheel chokes not provided to water tanker parked near Pump house	Usage of the wheel chokes to be strengthened for the vehicles to prevent accidental movement

AUDITING OF EXISTING SAFETY SYSTEMS AS PER IS 14489-2018:

1) SAFETY AND HEALTH POLICY:

Observation:

Available

Recommendation:

- It is statutory requirement as per Maharashtra Factories Rules 73 L made under section 7A (3), 41 b (2) & 112.
- EHS policy displayed in both languages (Marathi & English) at various locations including Main gate.
- System is adequate

2) OS & H ORAGANIZATIONAL SET UP SAFETY CO ORDINATOR:

Observation:

- Company's has provided adequate Nos of First Aid Boxes.
- Trained First Aiders available in all shifts
- Tie up with hospital

Recommendation:

- System Adequate

3) EDUCATION & TRAINING:

Observation:

- Training Dept. is available in the factory training is the part of system
- Training is responsibility of Manager.
- Conducted safety promotional activities like Safety week & Environment Day.
- Annual training calendar prepared
- All employees are covered in training calendar
- Induction Training is in place

Recommendation:

- System is adequate

4) SAFETY BUDGET:

Observation:

- During safety audit it is observed that, there is a need-based safety budget in the company and no limit for safety concern.
- Every Year Budget on safety is sanctioned and consumed 100%, additional required safety budget is sanctioned by top management.

Recommendation:

- System is adequate

5) DISPLAY OF SAFETY POSTERS & STICKERS:

Observation:

- Safety signages, posters & stickers displayed are sufficient.

Recommendation:

- System is adequate

6) EMPLOYEES PARTICIPATION IN OS & H MANAGEMENT:

Observation:

- Participation of employees is observed in training & education.
- EHS suggestion scheme is in place

Recommendation:

- System is adequate

7) SAFETY COMMITTEE:

Observation:

- Safety committee is available.
- Safety committee meeting conducted monthly.
- MOM of meeting prepared & circulated.
- Safety committee established with equal participants such as worker representatives & management representatives.

Recommendation:

- System is adequate
- Safety committee members may visit the other organization to observe best safety practices

8) SAFETY MANUALS & RULES:

Observation:

- Safety manual is prepared.

Recommendation:

- System is adequate

9) NEW EQUIPMENT REVIEW/INSPECTION:

Observation:

- New equipment review /inspection system is available./policy and SOP available
- Change management system available.
- Specification of major additions to plant and machinery from safety point of you reviewed before finalization

Recommendation:

- System is adequate

10) ACCIDENT REPORTING, INVESTIGATION AND IMPLEMENTATION OF RECOMMENDATION:

Observation:

- Accident & reporting system is available.
- Why -why analysis is available

Legal Requirement & Recommendation:

- Accident report & accident register should be maintained in factory as per the MFR 1963, Rule no.115 & Rule no. 123 in Form No.30 respectively.(available shall be maintained)
- In case of occurrence of any accident, reporting system will be adequate for the compliance of statutory requirements. Every reportable accident should be reported to DISH office, Pune.
- System is adequate

11) RISK ASSESSMENT INCLUDING HAZARD IDENTIFICATION:

Observation:

- Risk analysis & hazard identification is available.

Recommendation:

- System is adequate .
- HIRA shall be reviewed regularly.

12) SAFETY INSPECTION:

Observation:

- Safety inspection is available and documented .
- Internal safety audit done once in every year.

Recommendation:

- Internal safety inspection system must be established with proper checklist to avoid unsafe conditions & unsafe acts.
- System is adequate

13) FIRST AID FACILITY & OCCUPATIONAL HELATH CENTER:

Observation:

- First aid facility available.

Recommendation:

- First aid facility should be provided as per factories act, 1948. Section no.45 & MFR - 1963, rule no. 76, 77 & 78 immediately & the injured should be taken to the hospital for further treatment if necessary.
- First aid box contains the equipment mentioned in MFR-1963 Rule no 76(c).
- System is adequate.

14) PERSONAL PROTECTIVE EQUIPMENT:

Observation:

- Area/Operation wise PPE's & its provision done.
- PPE's available as per IS standards & issuing of PPE's to workers through EHS dept.
- PPE's provided in plant

Recommendation:

- The concerned Supervisor at shop floor shall ensure about the usage of PPE.
- System is adequate

15) HOUSEKEEPING:

Observation:

- Good housekeeping practices observed however scope for improvement at some locations

Legal Information & Recommendation:

- As per factory act, 1948 section 11, company must maintain best housekeeping practices at all areas.
- Adequate housekeeping reduces 70% of accident risk.
- System is adequate

16) MACHINE AND GENERAL AREA GUARDING:

Observation:

- It is observed that moving parts of machinery are guarded.

Recommendation:

- As per the factories act, 1948 section 21 (1) (IV) C) should be maintained.
- System is adequate

17) ELECTRICAL AND PERSONAL GUARDING:

Observation:

- Annual checking of earth pit is done.
- Bonding of flanges and earthing for diesel tank is provided.

Legal Information & Recommendation:

- Ensure to have IS approved rubber mats in front of all the electrical panels. This fulfils the requirement of Rule 56 of Indian electricity rules. Never wash the rubber mats with water as it become wet & it will not give protection against electrical shocks.
- Ensure transformers, motors, starters, main switches etc. shall be properly earthed. Earthing test, insulation test should be done by licensed electrical contractors.
- All metallic bodies (which can become conductors of electricity under extraneous conditions) shall be connected to system earth at one point. This includes all pipelines, such as Fire hydrants, Gas/ fuel lines, metallic staircases (external or internal), etc.
- System is adequate

18) VENTILATION, ILLUMINATION AND NOISE:

Observation:

- Ventilation, illumination & noise surveys are conducted
- Noise level boards have displayed in plant area wherever applicable

Legal Information & Recommendation:

- To ensure & provide proper air circulation, effective ventilation & adequate lighting system at each section as per MFR 22A.
- System is adequate

19) PREVENTION OF OCCUPATIONAL DISEASES INCLUDING PERIODIC MEDICAL CHECK UP:

Observation:

- Pre-employment medical check-up of employees done.
- Annual medical check-ups done.

Legal Information & Recommendation:

- Pre-employment, Regular & medical check-ups records to be maintained in Form No.7 as prescribed under the Factories Act,1948 sec.69 & 75 & MFR 1963 chapter- III.
- Medical examination, keep updated regarding employee's health & disease.
- System is adequate

20) SAFE OPERATING PROCEDURES:

Observation:

- Standard operating procedures are available

Legal Information & Recommendation:.

- All operators must know the safety instruction of all SOP's to take appropriate precautions.
- All operators must know the hazards in operation & safety precautions to be taken during work & what will happen if safety precautions are not taken.
- System is adequate

21) WORK PERMIT SYSTEMS

Observation:

- Work permit system implemented.
- Work permit system implemented for all non-routine work.

Recommendation:

- System is adequate

22) FIRE PREVENTION, PROTECTION AND FIRE FIGHTING SYSTEMS:

Observation:

- Mock drills conducted six monthly.

Recommendation:

- System is adequate

23) EMERGENCY PREPADENESS PLANS (ON SITE/OFF SITE):

Observation:

- Emergency preparedness plan is available.
- Training on Emergency Preparedness conducted for all employees.
- Refreshers training imparted for Rescue Team, Fire Fighters & First Aiders.

Legal Information & Recommendations :

- Emergency preparedness plan to be prepared as per MFR 1963, Rule No. 73-Q.
- Details of EA plan as per schedule 6 under rule 12(1) in MAH rules.
- It is recommended that, Company should be practice with the member of MUTUAL-AID-SCHEME
- System is adequate .

24) HAZARDOUS WASTE TREATMENT & DISPOSAL:

Observation:

- Hazardous waste segregation and identification available at site.
- Secondary containment & spill kits available .

Recommendation:

System is adequate

25) CONTRACTOR SAFETY SYSTEM:

Observation:

- Safety instructions given to Contractor employees.
- Adequate PPE's supplied to the Contractor by Company.
- Work permit system implemented whenever non routine work is going on.

Legal Information Recommendation:

- As per Factories Act, 1948 Section 2(L), Contract workmen is always to be treated as per the regular employees as far as the Safety & Health concerned.
- System is adequate .

26) MATERIAL SAFETY DATA SHEET:

Observation:

- MSDS are available at Main gate/ECC and at some locations

Recommendation:

- System is Adequate

27) PRESSURE VESSELS (FIRED AND UNFIRED):

Observation:

- Pressure vessels, Receiver & air pipe line are available at plant.
- Date of inspection & due date marked on pressure vessels

Legal Information & Recommendation:

- Pressure vessels & airline should be checked by competent person as per rule 65 of MFR 1963 & record should be maintained in Form No.13.
- System is Adequate.

28) MATERIAL HANDLING:

Observation:

- Separate storage is provided for raw material & finished products.
- Training given to all contractor employees regarding safe material handling.

Recommendation:

- System is Adequate.

5. **SAFETY AUDIT REPORT**

C-1 OH & S MANAGEMENT			
C-1.1 OH & S Policy			
Sr No	**Provision**	**Status**	**Remark**

1	Does the organization have OH & S policy?	Yes	Available & displayed at conspicuous places. API I, II, Main Gate, canteen, Engg, ETP & Safety office etc.
2	Who has signed the OH & S policy?	Yes	MD/ Global CEO
3	Whether the OH & S policy is per guidelines of the statutory provisions?	Yes	As per the MFR -1963 rule no 73L
4	When was the OH & S policy declared and adopted?	Year 2008	
5	Whether the OH & S policy reviewed periodically?	---	
6	Whether the OH & S policy is available in local Language and made known to all?	Yes	
7	What was the last date of updating?	Yes	January 02,2018
8	Does the policy find a place in the annual report?	Yes	
C-2 OH & S ORGANIZATIONAL SET UP			
C-2.1 Safety Department			
9	Does the factory have a safety department and what is strength of safety department?	Yes	Available
10	Whether the strength and qualifications of Safety Officers are as per the statutes?	Yes	05 safety officer available &all ADIS
11	Does the head of safety department report to the Chief Executive?	Yes	Safety head report to site factory head.
12	How often are the safety officers retrained in the latest techniques of total safety management? What is the frequency of retraining?	Yes	It is continuous process. It is done as and when required.
13	What additional duties the safety officer is required to do?	No	Duties of safety officer is as per Maharashtra Safety officers (Duties, Qualifications & Conditions of Service Rule 1982)
14	What is the power of safety officer vis-a-vis unsafe condition or unsafe act?	Yes	Stop the work in case of any unsafe act / Condition.

Sr No	Provision	Status	Remark
C-2.2 Safety Committee(s)			
15	Does the factory has a safety committee(s)? What are the types, structures and terms of reference of the committees?	Yes,	Management staff and workers are included in the committee.
16	Is the constitution of the safety committee(s) as per the statute?	Yes,	Tenure of safety committee is Two years as per MFR 1963.
17	How are the members of safety committee(s) selected? (elected / nominated)	Nominated.	As per the factory act.
18	How often are the meetings of safety committee(s) held?	Yes	Safety committee meetings are held quarterly.
19	Are the recommendations of the committees(s) implemented?	Yes	Minutes circulated to all concern &tracked for compliance.
20	Are the minutes of the safety committee(s) meetings circulated among the members?	Yes	Minutes circulated among the members.
21	Are the minutes forwarded to the trade union(s) and chief executive and occupier?	Yes	Forwarded to top management.
22	Whether the management and trade union play their active roles in supporting and accepting the committee(s) recommendations?	Yes	Minutes circulated to all concern &tracked for compliance
23	How are the safety committee(s) members apprised of the latest development in safety, health and environment?	Yes	Discussed in safety committee meeting
C-2.3 Safety Budget			
24	What is the annual safety budget?	Yes	Fund required for safety are immediately made available and there is no limit of expenditure.
25	How much percentage is this budget of the total turnover of the company?	RNA	Records to be maintained
26	How much budget has been utilized till date?	RNA	Funds are utilized effectively., needs to be recorded
27	Is the safety budget adequate?	Yes	--
28	How is the safety budget arrived at?	No Fixed Budget	Management shall plan for the safety equipment & systems & accordingly provision shall be made
29	What is the pattern of expenditure for the last five years?	RNA	Increase trend., needs to be recorded
30	What are the approved sanctions for the expenditure in this budget?	All Approved	Nil
31	Does this budget get reflected in the annual report of the company?	Yes	Nil

Sr No	Provision	Status	Remark
	C-3 SAFETY MANUAL		
32	What is the periodicity of updating / review of safety manual?	Yes	2 yearly, as & when required.
33	Does the safety manual adequately address all the hazards in the plant?	Yes	Safety manual is addressing all the hazards in the plant.
34	Are the employee made aware of safety rules / instruction mentioned in the safety manual?	Yes	-
	C-4 STANDARD OPERATING PROCEDURES (SOP)		
35	Are written Standard / safe operating procedures available for all operations and processes?	Yes	SOP's are available for all operations
36	Whether the written Standard / safe operating procedures are displayed or made available and explained in the local language to the workers?	Yes	Instructions displayed in local language.
37	Whether concerned section and safety department prepares standard / safe operating procedure jointly?	Yes	Nil
38	Are standard / safe operating procedures reviewed and updated?	Yes	Nil
39	Have the workers been informed of the consequences of failure to observe the standard /safe operating procedures?	Yes	Nil
	C-5 PLANT MODIFICATION PROCEDURES		
40	What is the system for effecting any change in the existing plant, equipment or process?	Yes Management of change (MOC) system implemented Through change request approval system	System is adequate.
41	Whether the P & I diagrams and other related documents are updated accordingly?	Yes Updated if required	System is adequate.
42	Whether hazard assessment done before implementation of modification?	Yes ,HAZOP ,HIRA & JSA study is prepared	System is adequate.
	C-6 WORK PERMIT SYSTEM		
43	What types of work permits exist in the factory?	Yes	Work Permit system available, total 11 nos. of permit available.
44	Are the necessary forms detailing required safety precautions have been prepared and used for each type of work-permit?	Yes	Nil
45	Is the responsibility assigned to authorized person for issuing of safety work permit?	Yes	Responsibility letters to be maintained

Sr No	Provision	Status	Remark
46	Is the copy of safe work permit sent to safety officer before execution of the job?	Yes	Nil
47	Is validity period specified in the safety work permit?	Yes	Nil
48	Are the records of work permit available and maintained in proper order?	Yes	Nil
	C- 6.1 Control Measures for Work at Height		
49	Is adequate safe access provided to all places where workers need to work?	Yes	Nil
50	Are all such access in good condition?	Yes	Nil
51	Are all scaffolds are properly designed and erected?	Yes	Nil
52	Are scaffolds inspected every day before work begins?	Yes	Civil engineer inspect before working.
53	Are ladders securely clamped or lashed in place?	Yes	Nil
54	Are planks in good condition?	NA	Nil
55	Are scaffold walkaways, platforms, runs or stairs free of debris, grease, any unnecessary obstruction and projecting nails?	Yes	Nil
56	Are the scaffolds higher than 20 m.? If yes, is a netting or intermediate railing provided between toe-boards and hand railings?	N/A	
57	Are folding stepladders properly used?	Yes	Nil
58	Are ladders set up at the proper slope of about 1:4?	Yes	Nil
59	Do workers use hand lines to lift tools or materials?	Yes	Nil
60	Do workers use hand lines to lift tools or materials?	Yes	.Nil
61	On sloping roofs, are crawling boards, lifelines, safety belts and edge protection provided where needed?	Yes	Nil

Sr No	Provision	Status	Remark
62	Whether the weak spots, skylights, or deteriorated asbestos-cement boards through which a worker might fall while working in the roof has been identified and safety net provided appropriately?	Yes	Nil
63	Are the workers being medically examined for their fitness to work at height?	Yes	Nil
	C-6.2 Work in Confined Space		
64	Is work permit system followed for working in confined space?	Yes	Confined space entry & work permit system is available.
65	Whether monitoring of the atmosphere inside the confined space is carried out and ensured that there is no flammable or toxic gas in the area?	Yes	LEL meter VOC meter required to ensure if there is availability of flammable or toxic GAS
66	Whether the person entering the confined space is using suitable personal protective equipment (PPE)?	Yes	Person entering in the confined space using, Air pressure suit and other required PPE's as per condition
67	Is rescue team available in case of any emergency?	Yes	Nil
	C-7 CONTRACTORS' SAFETY SYSTEM		
68	Is there any system for selection of contractors?	Yes	Nil
69	Are there any guidelines on contractor's safety and training?	Yes	Safety training is compulsory & refresher training for every six month required
70	Whether contract document includes necessary safety and welfare clauses as per statutes?	Yes	Purchase order included safety clauses.
71	Is there any programme to ensure use of PPE by contractors personnel?	Yes	Work permit system & contractor safety training
72	Do the contractors have their own safety organization?	Yes	
73	Are the contractors reporting all accidents and injuries?	Yes	
74	Are contractor workers trained to observe safety at work place?	Yes	
75	Whether contractor workers are engaged in process / operations? If yes, are they aware of safe operating procedures? Whether contractor workers are engaged in process / operations? If yes, are they aware of safe operating procedures?	Contract workers are not engaged in process/operations. Engaged in cleaning activity in supervision of operator/officer.	

Sr No	Provision	Status	Remark
	C-8 PLANT DESIGN AND LAYOUT		
76	Whether hazardous operations in the plant are segregated?	Yes	
77	Whether occupational health & safety aspects are considered during the design?	Yes	
78	Are all the equipment provided with adequate space for working, maintenance etc.?	Yes	
79	Are the storage tanks provided with enough space/ clearance between them?	Yes	
80	Whether the plant layout has taken care of the movement of firefighting equipment and emergency exits?	Yes	
	C-9 MEDICAL MANAGEMENT OF ACCIDENTS		
81	Are medical facilities available with trained first aid staff and equipment in round the clock shift for all including contractors?	Yes	
82	Is the ambulance van available for round the clock basis with the dedicated driver?	Yes	
83	Is there any mutual aid scheme available with the nearest hospitals to manage and treat injuries during emergency?	Yes	
84	Are the workers / contractor workers aware of emergency medical facilities?	Yes	
85	Whether the licenses have been validated?	Yes	
	C-10 MANAGEMENT OF EMERGENCIES (NATURAL / MAN-MADE)		
86	Does the system exist to detect and control these Emergencies?	Yes	
87	Are the employees aware of the measures to be taken during emergencies?	Yes	
	C-11 EMPLOYEES SELECTION AND PLACEMENT		
88	Whether norms are available for selection of different category of employees?	Yes	
89	Whether pre-employment medical examination is being conducted for employees?	Yes	for every new employee procedure medical examination is being conducted
90	Is there any procedure to evaluate safety awareness and record of the employees during their promotion?	Yes	

Sr No	Provision	Status	Remark
	C-12 SAFETY CULTURE		
	C-12.1 Attitudes of Managers		
91	Do the managers follow the plant safety rules at all times?	Yes	Ni
92	What are their attitudes towards safety reviews and audits?	Their involvement is there & they are interested to improve safety	Nil
93	What is the response of management to safety violation?	No compromise, Dedicated guidelines are available for Consequence policy against any safety violation	Nil
94	Whether safety related decisions are taken in consultation with the workers?	Yes	Nil
95	What is the attitude of the managers towards nonuse of personal protective equipment?	No compromise.	Nil
	C-12.2 Attitudes of Workers		
96	Whether workers are aware of the consequences of their wrong actions?	Yes	Nil
97	Are laid down safe working procedures followed strictly?	Yes	Nil
98	What is the attitude of the workers towards their own mistake, which can prejudice safety?	Safety ownership is adequate.	Nil
99	Do the workers report near miss incidents and suggest safety improvements?	Yes	Nil
100	Are the workers aware of the system of rewards and sanctions relating to safety matters?	Yes	Reward & recognition scheme available.
101	What is the attitude of workers towards use of personal protective equipment?	Safety ownership is adequate	Nil
	C-13 STATUTORY LICENSES, APPROVALS AND RECORDS		
102	Whether all the safety related Acts / Rules (with latest amendments) applicable to your organization identified, informed to all employees and complied?	Yes	Follow the rule.
103	Whether the licenses have been validated?	Yes	All Licenses are valid and renewed time to time
Sr No	**Provision**	**Status**	**Remark**
	C-14 MOTIVATIONAL AND PROMOTIONAL MEASURES FOR OH & S		
104	Does the factory have occupational health and safety suggestion scheme?	Yes	Available, suggestion box kept in canteen.
105	Are occupational health and safety contests organized in the factory?	Yes	National safety week inclusive of National safety day is celebrated and as part of the celebration, many activities like safety slogan competition safety posters drawing .spot the hazard contest SCBA Donning Firefighting training safety quiz competition safety equipment Exhibition chalata – bolata contest organized in the plant .
106	Does the factory participate in National Awards?	Yes	Green tech award.
107	Has the factory been awarded during last five years?	Yes	ISO-OHSAS certification. Green Tech Safety award
108	Does the organization publish safety bulletin /newsletters?	Yes	Safety related news displayed in canteen board such as safety beacon.

109	Whether the safety bulletins are widely distributed?	Yes	
110	How is the occupational health and safety information including accident statistics disseminated in the factory? (Bulletin boards, Newsletter etc.)	Yea	Safety information board displayed in each department.
111	What are the activities conducted during National Safety day / week?	Yes	Safety contest organized during safety week.
112	What is the percentage of Workers participating in the various safety promotional activities?	Yes	Up to 100% Details are maintained.
C-15 HAZARD IDENTIFICATION AND JOB SAFETY ANALYSIS			
113	Was an initial process hazard analysis (PHA) completed?	Yes	Department /area wise HAZOP / HIRA done.
114	What are the stages of PHA? Whether a dedicated group is identified for PHA?	Yes	Activity wise HIRA & process check sheet. , process wise group is identified for PHA.
115	Was the PHA appropriate for the complexity of the process and identify, evaluate, and control the hazards involved in the process?	Yes ,	
116	Does the hazard evaluation use one or more of the following PHA methodologies: What-If Analysis, Process Checklist, Hazard and Operability Study (HAZOP), Failure Mode and Effects Criticality Analysis (FMECA), Fault Tree Analysis (FTA) or any other appropriate equivalent methodology?	HAZOP , JSA etc. Document is used & process check sheet	

Sr No	Provision	Status	Remark
117	Does PHA assures addressing issues of inherent safety features with respect to material and their properties?	Yes	MSDS displayed.
118	Does the PHA address the hazard identification, incidents history, consequences of failures (engineering and administrative controls), human factors, consequent analysis with respect to possible safety and health effects of failure of controls?	Yes	
119	What are the stages of PHA? Whether a dedicated group is identified for PHA?	Yes, HAZOP	
120	Does the system exist to promptly address findings and recommendations of PHA?	Yes	
121	Are the PHA's updated and revalidated at least every five years by a qualified team to assure that the PHA is consistent with the current process?	Yes	Done as and when required...
122	Whether the activities requiring Job Safety Analysis have been identified?	Yes	
123	Whether the identified jobs for Hazard Identification have been carried out by trained and experienced persons?	Yes	
124	Whether the checklists have been prepared on each Job Safety Analysis and are being used while carrying out the job?	Yes	
C-16 PRODUCT SAFETY			

125	Whether hazards arising from use of the products are identified?	Yes	
126	Whether material safety data sheet prepared for the products?	Yes	
127	Are all the products labeled and packed appropriately?	Yes	
128	Whether safety instructions are given along with products?	Yes	
129	Whether policy exists for recall of products?	Yes	

Sr No	Provision	Status	Remark
C-17 SAFETY TRAINING			
130	Whether training needs have been identified?	Yes	Nil
131	Is there any Programme of induction training, its duration and topics covered?	Yes	
132	Whether the assessment of the trainees has been carried out?	Yes	Assessment of trainee worker is done by written questions.
133	What are the infra-structural facilities available for training?	Yes	Training room available with projector for audio visual support.
134	Whether training is conducted by qualified person?	Yes	Internal as well as external exports.
135	Whether trainers are being re-trained from time to time?	Yes	
136	Whether proper records of training program conducted are maintained?	Yes	
137	How training programs are evaluated?	Yes	After training effectiveness is checked through test.
138	Whether schedule for training on occupational health and safety is available and maintained?	Yes.	Schedule of safety training is available & training conducted as per schedule.
139	Whether the training Programme are reviewed?	Yes	Training plan vs Actual review mechanism in place
140	Are all the employees periodically trained / retrained and what is the frequency of such training?	Yes	Schedule of safety training is available & training conducted as per schedule.
141	Are the retraining needs identified whenever a new process / product and change in existing process introduced?	Yes	Daily during shift change over shift officer given training to their employees on hazard & process change.
142	Whether training covers top management?	Yes	
143	How many hours of safety training is given to different employees?	Yes	8 hr/yr/employee is the target.

Sr No	Provision	Status	Remark
C-18 CHANGE MANAGEMENT			
C-18.1 Management of Change			
144	Are there written procedures for managing change to process chemicals, technology, equipment and procedures and changes to facilities that affect the plant process / system operation?	Yes	Change request procedure with software is available.
145	Do the procedures assure that the technical basis for the proposed change addressed prior to any change?	Yes	

146	Do the procedures assure that the impact of the change on safety and health addressed prior to any change?	Yes	
147	Do the procedures assure that the impact of the change on safety and health addressed prior to any change?	Yes	Change request reviewed by safety before approval.
148	Do the procedures assure that the necessary time period for the change is addressed prior to any change?	Yes	
149	Do the procedures assure that the authorization requirements for the proposed change are addressed prior to any change?	Yes	
150	Are employees involved in operating a process, and maintenance and contract employees whose job tasks will be affected by change informed of, and trained in, the change prior to the start-up of process or affected part of process / operations?	Yes	
151	Is the safety information is reviewed and updated on changes?	Yes	
152	Are the operating procedures or practices updated?	Yes	

Sr No	Provision	Status	Remark
	C-18.2 Mechanical Integrity		
153	Does the mechanical integrity program include for all mechanical equipment including pressure vessels and storage tanks, piping and components, relief devices and vent systems, emergency shutdown systems, pumps, control systems?	Yes	
154	Are there written procedures to maintain the ongoing integrity of process equipment?	Yes	

155	Whether training been provided to each employee involved in maintaining the on-going integrity of process equipment?	Yes	
156	Are inspections and tests performed on each item of process equipment included in the program?	Yes	
157	Does the inspection and test frequencies meet the manufacturer's recommendation and good engineering practice?	Yes	
158	Are inspections and tests performed more frequently if determined necessary by operating experience?	Yes	Tests are carried out through competent person.
159	Are deficiencies in equipment that are outside limits corrected before further use so as to assure safe operation?	Yes	
160	In the construction of new plants and equipment, whether quality assurance Programme is implemented to ensure that equipment fabricated is suitable for the process?	Yes	Qualification procedure available
161	Are appropriate checks and inspections made during equipment installation stage?	Yes	Qualification procedure available
162	Are the suitability of maintenance materials, Spare parts and equipment ensured during maintenance?	Yes	

Sr No	Provision	Status	Remark
	C-19 PHYSICAL HAZARD		
	C-19.1 Housekeeping		
163	Are all the passages, floors and the stairways in good condition?	Yes	All passages, floors and the stairways maintained good condition & obstruction free.
164	Is glass door taped or otherwise marked to make it visible to workers?	Yes	
165	Do you have the system to deal with the spillage?	Yes	Spill control procedure. Spill control kit available in plants.
166	Do you have sufficient disposable bins clearly marked and whether these are suitably located? Are containers of refuse (waste) and trash emptied at the end of every day or soon after they are full? Are the containers or bins regularly cleaned?	Yes	Available in respective locations.
167	Are drip trays positioned wherever necessary?		NA
168	Do you have adequate localized extraction and scrubbing facilities for dust, fumes and gases? Please specify.	Yes	Available
169	Whether walkways are clearly marked and free from obstruction?	Yes	Walkways are clearly marked and free from obstruction.
170	Do you have any inter-departmental competition for good housekeeping?	Yes	
171	Has your organization elaborated good housekeeping practices and standards and made them known to the employees?	Yes	GMP plants
172	Are there any working conditions, which make the floors slippery? If so, what measures are taken to make them safe?	No	
173	Does the company have adequate measures to suppress polluting dust arising out of materials stored on the roadside?	Yes	

Sr No	Provision	Status	Remark
C-19.2 Machine and General Area Guarding			
174	Whether machinery and equipment which can cause physical injuries to operator have been identified?	Yes	
175	Are all moving parts and point of operation of machinery adequately guarded?	Yes	All moving parts and points adequately guarded.
176	Are all fixed guards securely bolted in position and in good condition?	Yes	All fixed guards properly fixed with proper bolt provided.
177	Are all interlock guards for prevention of physical injury in good condition?	Yes	System is adequate
178	Are all emergency stop buttons effective and clearly labeled?	Yes	Available
179	Are all emergency stop buttons effective and clearly labeled?	Yes	Available
180	Are the openings where there is free fall hazard covered or fenced securely?	No any.	
C-19.3 Material Handling			
181	Are adequate equipment available for handling materials?	Yes	Scissor lift, fork-lift & stacker available.
182	Are the workers aware of the hazards associated with material being handled?	Yes	
183	Where manual handling is necessary, are the workers been trained? Do they practice this? Are workers warned for lifting of excessive weight? (Maximum weight of material for adult male and female are 55 Kg and 30 Kg respectively)	Yes	Ergonomic training imparted to shop floor associates.
184	Do workers follow safe procedures for storage of materials?	Yes	SOP followed by workers.
185	Is the register maintained to record particulars of examination of all lifting machines, tools and tackles?	Yes	System is adequate
186	Are all the statutory examinations and tests carried out and certified by competent person(s)?	Yes	System is adequate
187	Are the operators of crane, lifts, hoists and other mechanized operations adequately qualified?	Yes	System is adequate

Sr No	Provision	Status	Remark
188	Is the safe working load clearly marked?	Yes	
189	Has the person employed to operate crane, forklift, or to give signals to crane been medically examined for eyesight and colour vision?	Yes	System is adequate
190	Is the frequency of eyesight and colour vision examination as per the latest rules?	Yes	Six monthly & yearly medical done
	C-19.4 Electrical Safeguarding		
191	Are licensed electricians available for electrical work?	Yes	System is adequate
192	Whether area classification for electrical equipment has been carried out?	Yes	System is adequate
193	Do the electrical fittings conform to area classification for electrical equipment?	Yes	System is adequate
194	Is a ground fault current interrupter system (ELCB) in use?	Yes	System is adequate
195	Are all connections made by using appropriate plugs, receptacles or enclosures? Are fuses provided?	Yes	System is adequate
196	Are there any make shift connection bare wires or damaged cables?	No	System is adequate
197	Is there a system of ensuring periodical inspection of hand tools, extension boards used for electrical work?	Yes	System is adequate
198	Do the workers use proper types of PPE during the working on live line?	Yes	System is adequate
199	Whether the process(s) and equipment that generate and accumulate static charge have been identified?	Yes	Resistivity static charge meter available at site.
200	Whether all such equipment including pipelines for flammable materials are properly bonded and earthed?	Yes	
201	Whether earth pit resistance is measured and the record maintained?	Yes	Yearly earth pit testing done. Testing records are maintained.
202	Whether lightning arrestor has been installed and is adequate?	Yes	

Sr No	Provision	Status	Remark
C-19.5 Safety in Storage and Warehousing			
203	Whether the Material Safety Data Sheet for all chemicals is available?	Yes	MSDS for all chemicals provided
204	Are the chemicals stored as per their hazardous properties including the incompatibility?	Yes	Incompatibility chart provided.
205	Are all containers clearly, indelibly labelled? Are all chemicals stored as per safety regulations?	Yes	System is adequate
206	Whether all racks and steel cages have sufficient load bearing capacity?	Yes	System is adequate
207	Is adequate natural ventilation provided to store room? Is there any emergency exit?	Yes	System is adequate
208	Whether adequate firefighting arrangement existing in flammable chemical storage?	Yes	System is adequate
209	Whether methodology for handling spillages of hazardous chemical available along with the equipment required handling the spillage?	Yes	System is adequate
210	Whether aisles are marked and emergency exits displayed?	Yes	System is adequate
C-19.6 Hazard Assessment for New Equipment			
211	What is the system for effecting any change in the existing plant, equipment?	Yes	Changes management procedures. change management – HAZOP, JSA & EIA reports.
212	Is there system for evaluating hazards from new equipment?	Yes	
213	Whether the P and I diagrams and other related documents are updated accordingly?	Yes	All P & I diagram updated available.
214	Is any Job Hazard Analysis (JHA) carried out after installation of new equipment?	Yes	
C-19.7 Hazards from Radiation Sources			
215	Whether licenses have been obtained for storage / handling of radioactive material?	N/A	Nil
216	Whether approved Radiological Safety Officer appointed?	N/A	Nil
217	Whether appropriate PPEs are used against radiation hazards?	N/A	Nil

Sr No	Provision	Status	Remark
218	Is the flooring of the radioactive material handling area amenable for proper decontamination?	N/A	Nil
219	Is the storage room of radiation source as per the license condition?	N/A	Nil
220	Are all persons working in the facility have radiation safety training?	N/A	Nil
221	Is the operators handling devices using radioactive materials qualified and possess the necessary certificate?	N/A	Nil
222	Is the periodical radiation monitoring carried out?	N/A	Nil
223	Are the records of inventory of radioactive material maintained in the standard format and submitted to the competent authority as per the period specified?	N/A	Nil
224	Are emergency handling tools available?	N/A	Nil
225	Are the personnel monitoring badges (TLD, Pocket dosimeter etc.) assigned and worn by each radiation worker?	N/A	Nil
226	Are the radiation symbol and red light displayed as required?	N/A	Nil
C-20 CHEMICAL HAZARD			
C-20.1 Transportation of Hazardous Substances			
227	What potentially hazardous materials are transported to or from the site (including wastes)		Hazardous waste to MEPL
228	What mode of transport are used? 1) Road, 2) Rail, and 3) Pipelines		Road
1) Road			
229	i) Does the company employ licensed vehicle of its own / outside sources?		outside sources
230	ii) Are the loading / unloading procedures in place and safety precautions displayed?	Yes	
231	iii) Is there a provision to check the healthiness of road tanker with respect to explosives rules?	Yes	

Sr No	Provision	Status	Remark
232	iv) Are loaded tankers or trucks parked in a specific area on-site?	Yes	
233	v) Do all truck and tanker drivers carry transport emergency (TREM) card or instruction booklet?	Yes	Available with tanker driver,
234	vi) Do all truck and tanker drivers get training in handling emergencies during transport?	Yes	Three days training program
235	vii) Are all the tankers marked for proper Hazchem code?	Yes	
2) Rail			
236	i) What hazardous materials are transported by rail?	N/A	
237	ii) Does the company have a direct siding on site?	N/A	
238	iii) Are tankers or other wagons used in transportation?	N/A	
3) Pipelines			
239	i) What materials are transported to and from the site by pipelines?	N/A	
240	ii) Are the pipelines underground or over ground?	N/A	
241	iii) Are corrosion protection measures employed in pipelines?	N/A	
242	iv) Whether intermediate booster pumps are used?	N/A	
243	v) What is the maximum, minimum and average transfer rates?	N/A	
244	vi) Are the pipelines extended in the public domain?	N/A	
245	vii) Are the pipelines dedicated for each type of chemicals?	N/A	
246	viii) Are the pipelines fitted with safety equipment such as leak detectors, automatic shut-off valves etc.?	N/A	
247	ix) What is the frequency and method of testing of the pipeline?	N/A	

Sr No	Provision	Status	Remark
248	x) Is there written procedure for tackling leakages in pipeline?	N/A	
	C-20.2 Handling of Hazardous Substances		
249	What are the hazardous substance handled in the factory?	List maintained.	System is adequate
250	Whether quantity of hazardous substances is above the threshold limit specified in the Manufacture, Storage and Handling of *Hazardous Substances Rule*, 1989? If yes, then required documentation is available as per the rule.	No quantity of hazardous substances above threshold limit.	System is adequate
251	Whether written procedure for handling the hazardous substance is available and operators are trained for handling such substances including actions required in case of leakages and spillages?	Yes	System is adequate
252	Are the employees aware of the hazards arising from hazardous substances and safety precautions to be taken during handling of these?	Yes	System is adequate
	C-20.3 Material Safety Data Sheets (MSDS)		
253	Is it available in local language?	Yes	System is adequate
254	Whether the latest MSDS are displayed at strategic locations?	Yes	System is adequate
255	Are the material safety data sheets available for all the chemicals handled, used and manufactured in the factory?	Yes	System is adequate
	C-20.4 Spill Control Measures		
256	Whether spill control procedure is available?	Yes	Spill control procedure. Spill control kit available in plants.
257	Whether spill collection pit / sump is available at the workplace?	Yes	spill collection pit / sump available.
258	Whether methodology for recovery / disposal of collected material has been established?	Yes	
	C-20.5 Storage of Hazardous Substances		
259	Whether storage vessels are identified with the capacity as required under *MSIHC, Rules* 1989.	No	
260	What are the storage pressure and temperature?	Atmospheric	

Sr No	Provision	Status	Remark
261	Whether vessels are above ground / underground?	Yes	Both above ground & Under ground
262	If any of the tanks storing flammable material, whether electrical equipment and fittings are as per electrical area classification?	Yes	Flame proof electrical installations provided
263	Is the bunded area takes into account the total quantity of the largest tank?	Yes	25 KL
264	Whether the bund perimeter takes into consideration of trajectory of leak from tank?	Yes	
265	Are the vessels properly bonded and earthed and whether periodically checked and record maintained?	Yes	Periodically checked & record available.
266	Are the vessels fitted with remotely controlled isolation valves?	Yes	Isolation valves available
267	Are vessels provided with emergency vent, relief valve, bursting disc, level indicator, pressure gauge, overflow line?	Yes	Breather valve, level indicator & pressure gauge on pump line available.
268	Where do such vents discharge?	In atmosphere	
269	Are the vessels provided with alarms for high level, high temperature and high pressure?	Yes	High level alarm available.
270	Are standby empty tanks or any other alternate systems provided for emptying / transfer in case of emergencies?	No	
271	What are the provisions made for firefighting / tackling emergency situations around the storage vessels?	Yes	Hydrant points, Fixed monitor, portable monitor with foam available
272	Has any consequence analysis for loss of containment been carried out?	Yes	Risk assessment carried out.
273	Whether the vessels are tested as per statute?	Yes	
274	Whether log sheets are filled up on daily basis for recording the parameters of these vessels?	Yes	
275	Whether monitors for detection of leakage of flammable / toxic material installed?	Yes	
276	Whether the chemicals stored are as per their compatibility?	Yes	

Sr No	Provision	Status	Remark
	C-20.6 Gas Cylinders		
277	What are the various gas cylinders used in the plant?		Nitrogen, Helium, Acetylene, NBL etc.
278	Are valid licenses available for storing all these cylinders?	NA	
279	Are the cylinders stored and segregated as per their compatibility?	Yes	
280	What are the measures taken for combating any emergency in the cylinders storage area?	Yes	Fire extinguishers & gas detection system provided.
281	Whether integrity test certificates are obtained from the suppliers of the cylinders?	Yes	
282	Are the cylinders chained and secured properly along with the valve caps and proper identification color code?	Yes	Separate gas cylinder storage area available.
283	Are the cylinders protected from heat or sun and rain?	Yes,	Separate gas cylinder storage area available.
284	Whether monitors for detection of leakage of flammable / toxic gas installed?	Yes	
	C-20.7 Labeling and Color Coding		
285	Are all the containers, vessels and storage tanks labeled for its content and capacity?	Yes	
286	Whether the pipelines are color coded as per IS 2379?	Yes	
287	Is any plant specific color code followed?	--	color coded as per IS 2379
288	Whether the color codes are displayed conspicuously in the working areas?	Yes	Color coding charts displayed as per I IS 2379.
	C-20.8 Hazardous Waste Management		
289	Is identification done for various types of hazardous wastes?	Yes	E1 & E2 effluent stream identify. .
290	Are these quantities less than those specified by the Hazardous Wastes (Management & Handling) Rules, 1989?	Yes	
291	What are their disposal modes?	Yes	Solid waste sent to MEPL (Maharashtra Enviro Power Pvt. Ltd.) Authorized re processor.
292	Whether the solid waste like combustibles, plastic, metals etc. segregated?	Yes	

Sr No	Provision	Status	Remark
293	What are the systems / measures adopted for controlling air / water / land pollution?	Yes	ETP, STP, Scrubber ZLD facility to control pollution.
	C-21 FIRE AND EXPLOSION HAZARD		
	C-21.1 Organizational Set-up for Fire Fighting		
294	What is the total strength of fire station and fire crew?	All employees are trained in fire fighting	01 operator in fire hydrant pump house in each shift. 78 safety squad members.
295	How many fire crews are available in each shift?	Yes	Around 10-15 per shift.
296	Standing fire order is available with latest revision	Yes	Fire NOC available
297	How is the communication with fire station?	By Intercommunication system	
298	Does fire safety inspections carried out?	Yes	
299	Does emergency procedure available for leakage or combustion of flammables?	Yes	On Site emergency plan is available.
300	What measures are available to control the fire load in the plant area?		Fire hydrant system, Fire extinguishers- CO2 type fire extinguisher, DCP/ABC type fire extinguisher, MF type fire extinguisher
301	Whether technical knowledge and skills of the manager and staff responsible for overall fire safety of the plant is adequate?	Yes	
302	How many major and minor incidents / fires were there in the factory during the last five years? Give department / plant wise.		List available at site.
303	Have all the fires / incidents been investigated and corrective actions taken? Give break-up.	Yes	
304	Resources:		
	1) Adequacy of protective clothing (coat, trouser, gloves, boots and helmets);	Yes	
	2) Availability of SCBA for firefighting operations and spare cylinders (at least 2 for each SCBA);	Available	SCBA 09 Nos, set provided and 8 filled spare cylinders available
	3) Adequacy of hose, nozzles, ladders, lighting equipment and pumps; and	Yes	
	4) Communication facility at fire station, walkie talkie sets during firefighting.	Yes	walkie talky and public address system available

Sr No	Provision	Status	Remark
C-21.2 Built in Safety in Civil Design and Construction			
306	Whether the two safe means of escape available? Are they in separate directions?	Yes	
307	Is emergency exits provided to the building handling flammables?	Yes	
308	Whether emergency lights are provided?	Yes	Dedicated Emergency lights provided.
309	Whether fire / smoke detectors are installed in fire prone areas?	Yes	System is adequate
310	Whether fire call points are provided in different areas?	Yes	System is adequate
311	Whether Fire hydrants are provided near the buildings?	Yes,	System is adequate
312	Is ventilation system in plant handling flammables is adequate to prevent formation of flammable mixtures?	Yes	System is adequate
313	Is adequate separation is provided between combustible / flammable materials and other material to restrict the fire growth?	Yes	System is adequate
314	Access routes for firefighting operations is available for areas having high fire load	Yes	System is adequate
315	Whether building changes interferes with fire detection and / or fire suppression systems?	Yes	Nil
316	Whether building changes cause unreasonable fire loading / openings in the fire rated walls?	Yes	Nil
C-21.4 Explosive Substances			
317	Whether necessary license / approval taken from concerned statutory bodies?	NA	
318	Whether systems for explosion suppression, high speed fire detection with deluge, sprinklers, explosion venting etc. are provided?	NA	
319	Whether explosion resistant walls or barricades are provided around explosive storage?	NA	
320	Whether explosive substance storage areas are restricted for entry?	NA	
321	Whether only trained persons are handling explosive substances?	NA	

Sr No	Provision	Status	Remark
322	Whether explosive substances are stored and transported in approved containers only?	NA	
323	Whether electrical fixtures in areas handling explosives are explosion proof type?	NA	
324	Whether adequate measures are taken to prevent any sources of ignition where explosive substances are handled?	NA	
	C-21.5 Fire Safety in Handling Flammable and Explosive materials		
325	Whether emergency procedure is available for control of leakage?	Yes	
326	Whether emergency measures are displayed locally in case of accidental spillage / leakage?	Yes	
327	Whether facility is provided for safe drainage of combustible or flammable liquids in case of leakages?	Yes	spill kits & containment provided and disposed hazardous waste .
328	Whether highly flammable liquids are stored under inert atmosphere?	Yes	
329	Whether flammable storage tanks are provided with flame arrestors?	Yes	
330	Whether suitable PPEs are provided?	Yes	
	C-21.6 Fire Detection and Alarm System		
331	What type of fire detection and alarm system provided?	fire detection system & Gas detection system provided	System is adequate
332	Whether all fire prone areas of the plant are covered with fire detection system?	Yes	System is adequate
333	Whether fire detection equipment and smoke alarms in good operating condition?	Yes	System is adequate
334	Whether the number of fire call points are adequate and free from obstruction?	Yes	System is adequate
335	Whether regular inspection / maintenance / testing of fire detection and alarm system carried out and records maintained	Yes	System is adequate
336	Whether any atmospheric monitoring is carried out for explosive mixture of gases or vapors?	Yes	System is adequate
337	Whether emergency power supplies are provided to fire detection and fire alarm system?	Yes	System is adequate

Sr No	Provision	Status	Remark
338	Whether smoke detectors are located considering ventilation pattern?	Yes	System is adequate
339	Whether annunciation of fire is local or in the control room or in both places?	Yes	System is adequate
340	Whether fire panel is constantly attended?	Yes	System is adequate
	C-21.7 Passive and Active Fire Protection System		
341	What are the passive fire protection measures available? (barriers, doors, dampers etc.)	Fire doors, dampers	
342	Are the areas requiring fire barriers identified?	NA	
343	Whether the fire barrier provided is of adequate ratings?	NA	
344	Whether ventilation ducts in flammable areas have been provided with isolation dampers of suitable fire rating?	Yes	
345	Whether sprinklers / deluge are installed wherever necessary?	Yes	
346	Whether regular inspection / maintenance / testing of fire protection system carried out and records maintained?	Yes	Monthly
	C-21.8 Fixed Fire Extinguishing System		
347	What are the sources of firewater and whether they are dedicated to the fire extinguishing system?	MIDC, Yes	550 M3 is dedicated for fire fighting.
348	Whether un-interrupted power supply is provided to the firewater pumps?	Yes	Separate fire hydrant system provided.
349	Whether the extinguishing medium selected is appropriate to the class of fire (water, gaseous, foam, dry powder)?	Yes	
350	Whether fire hydrants layout is available?	Yes	
351	Whether additional (over minimum requirement) fire hoses, nozzles are available?	Yes	
352	Whether the hydrants lines are kept pressurized?	Yes	07 KG pressure maintained.
353	Whether regular inspection / maintenance / testing of fixed fire extinguishing systems carried out and records maintained?	Yes	Monthly

Sr No	Provision	Status	Remark
C-21.9 Portable Fire Extinguishing System			
354	Whether suitable type and numbers of fire extinguishers provided?	Yes	System is adequate
355	Whether the fire extinguishers are located at conspicuous position and easily accessible? Are they fully charged and tagged?	Yes	System is adequate
356	Whether fire extinguishers periodically inspected, tested, refilled and records maintained?	Yes	System is adequate
357	Whether defective / unchecked fire extinguishers present at site?	No	
358	Whether additional fire extinguishers are available?	Yes	10% additional fire extinguishers are available in stock .
C-21.10 Fire Fighting Equipment and Facilities			
359	Whether fire tenders (water / foam) are available?	Yes	In MIDC fire station near factory.
360	Whether the fire-fighting system and equipment approved, tested and maintained as per relevant standard?	Yes	System is adequate
361	Whether the SCBA / fire suit provided to firefighting team for immediate action?	Yes	System is adequate
362	What is system for maintenance / recharge of SCBA?	Monthly	Recharge with authorized vendor.
363	Is proper access available for firefighting equipment?	Yes	System is adequate
364	Whether fire hose cabinets are in good condition, easily visible, and accessible?	Yes	System is adequate
365	Whether drill tower is available? Are fire personnel carrying out regular fire drill?	NA	
366	What is the communication facility at fire station? Is it adequate?	Yes,	Walky-talky & intercom.
C-21.11 Fire Drill			
367	Whether mock fire drills are conducted? What is the frequency of drills?	Yes	once in six months
368	Whether fire drills are also performed in night Shift	Yes	Report available.

Sr No	Provision	Status	Remark
369	Whether feedback of fire drill is documented?	Yes	
370	What is the system of mutual-aid scheme?	Yes	Kurkumbh Industrial association
	C-21.12 Fire Fighting Training		
371	Whether there is a system of providing fire-fighting training to plant personnel?	Yes	
372	What is the frequency and duration of such training? Whether training records are maintained?	Yes	Schedule available.
373	Whether fire squads are identified for different areas for first-aid fire fighting and rescue, and suitably trained?	Yes	
374	Are all personnel conversant with the fire prevention and protection measures?	Yes	
375	Whether the fire staff are sent for refresher / advanced training courses?	Yes	
	C-21.13 Static Electricity and Lightning		
376	Whether all vessels and pipes are provided with suitable bonding and grounding?	Yes	System is adequate
377	Whether arrangement has been made for grounding the tanker containing flammable liquid during loading / unloading?	Yes	System is adequate
378	Whether spark resistant tools are provided?	Yes	System is adequate
379	Whether lightning protection is provided and is adequate?	Yes	System is adequate
380	Whether antistatic clothing, hand gloves and footwear are provided?	Yes	System is adequate
	C-21.14 Pressure Relief System		
381	Whether the listing of all 'pressure plants' [as defined under *Factories Act*] has been done?	Yes	
	C-22 INDUSTRIAL HYGIENE / OCCUPATIONAL HEALTH		
	C-22.1 Ventilation, Illumination, Noise, Vibration, Heat stress and Non-ionizing Radiations		
	C-22.1.1 Ventilation		
382	Whether any ventilation study has been carried out?	Yes	

Sr No	Provision	Status	Remark
383	Whether natural ventilation is adequate or not?	Yes	
384	Whether dust / fumes / hot air is generated in the process?	Yes	Milling operation, chemical charging.
385	Is there any exhaust ventilation system in any section of the plant?	Yes	Point exhaust with Scrubbers provided.
386	Is periodic / preventive maintenance of ventilation system carried out and record is maintained?	Yes	PM done by engineering.
387	Does any ventilation system re-circulate the exhausted air in work areas?	Yes	By AHU (Air handling Units)
388	Is the work environment assessed and monitored for chemical and physical hazards?	Yes	
389	Whether PPE are provided to workers exposed to dust / fumes and gases?	Yes	
	C-22.1.2 Illumination		
390	Whether illumination study has been carried out for the assessment of illumination level?	Yes	System is adequate
391	Is there any system of periodical cleaning and replacing the light fittings / lamps in order to ensure that they give the intended illumination levels?	Yes	System is adequate
392	Are the workers subject to periodic optometry tests and records maintained?	Yes	During medical examination.
393	Are emergency lighting available at first aid center.	Yes	
	C-22.1.3 Noise		
394	Whether any noise study conducted?	Yes	Conducted. Six monthly & Yearly as per MFR 1963 Rule.
395	Are there any machines / processes generating high-noise?	Yes	Noise generating equipment listed.
396	Whether engineering and administrative controls been implemented to reduce noise exposure below the permissible limits?	Yes	Acoustic enclosed provided to DG & air compressor. High noise area board displayed.
397	Is there a system of subjecting all those employees to periodic audiometric test who work in high level noise areas?	Yes	Employees to periodic audiometric test done.

Sr No	Provision	Status	Remark
398	Whether the workers are made aware of the ill effects of high noise?	Yes	Workers are made aware of the ill-effects of high noise.
399	Whether ear muffs / plugs are provided and used?	Yes	Personal protective equipment along with earmuffs/plugs are provided and used.
	C-22.1.4 Vibration		
400	Are there equipment which contribute excess level of vibrations and whether they are identified?	No,	
401	Whether any vibration study has been carried out?	N/A	
402	Are the measures taken to combat vibration to acceptable levels?	N/A	
403	What is the frequency for measurements of vibration?	N/A	
404	Are the records of measurements and maintenance of equipment / system maintained?	N/A	
	C-22.1.5 Heat Stress / Cold stress (Extremes of Temperature)		
405	Are there sources from equipment increasing the heat load in work places?	No	
406	Whether evaluation of heat stress is carried out?	No	
407	Whether natural ventilation is adequate to minimize the heat stress in work environment?	Yes	System is adequate
408	Are resources available to deal with very hot or very cold conditions (drinking water, lined gloves, insulated boots)?	Yes	System is adequate
409	Do workers know the symptoms of heat cramps / heatstroke or frost bite / hypothermia?	NA	
410	Are the personal protective equipment suitable for reducing the effects of heat stress available?	Yes	System is adequate
	C-22.1.6 Non-ionizing Radiations		
411	Does the work involve likely exposure to non-ionizing radiations (ultraviolet, infrared, radiofrequency, microwaves, lasers, etc.)	N/A	Nil
412	Whether risk assessment have been done for all work areas involving presence of non-ionizing radiations?	N/A	Nil

Sr No	Provision	Status	Remark
413	Are the work areas displayed with relevant safety signs?	N/A	Nil
414	Are the employees aware about the hazards of non-ionizing radiations?	N/A	Nil
415	Does written procedures exists for working in non-ionizing radiations?	N/A	Nil
416	Is the work environment monitored periodically for physical hazards and control measures initiated whenever deviation from permissible values is observed?	N/A	Nil
417	Whether suitable personal protective equipment are provided to workers exposed to non- ionizing radiations?	N/A	Nil
C-22.2 Work Place Monitoring for Hazardous Chemicals			
418	Whether the dust, fumes, smoke aerosols and mist are monitored as per statute and records maintained?	Yes	
419	What are the types of detectors used for monitoring concentration of hazardous chemicals?	Yes	Hydrocarbon detectors
420	Is any alarm system installed for any leakage of hazardous chemicals?	Yes	
421	Are antidotes available for toxic chemicals?	Yes	In OHC List
422	Are control measures initiated whenever deviation from permissible values is observed?	No deviation.	
C-22.3 First Aid Facilities and Occupational Health Centre (OHC)			
423	Are adequate numbers of first aid boxes provided? Give location details?	Yes	List available.
424	Are qualified / trained first aiders available in each shift?	Yes	First aiders are available in each shift.
425	How many qualified / trained first aiders are available at each plant / department?	Yes	Total 49 nos.
426	How many persons are trained / given refreshers training in first aid in a year?	Yes	18
427	Whether occupational health center is provided?	Yes	Occupational safety and health center is available.

Sr No	Provision	Status	Remark
428	Does OHC conform to the provisions of the existing statutes?	Yes	
429	Are the Medical Attendants / Doctors available in each shift?	Yes	Doctor available in OHC.
430	What facilities are available for transportation of the injured to hospital?	Ambulance available	
431	Are the names of the trained first aiders displayed?	Yes	
432	Are the name of nearest hospitals and its telephone number available in OHC?	Yes	Displayed at ECC
433	Does the plant have any special preventive medicine program?	Yes	
434	Is ambulance posted in proper place and is it available whenever required?	Yes	
435	Are sufficient numbers of anti-dotes available in case of any emergency?	Yes	System is adequate
436	Are fire safety measures provided in first aid Centre?	Yes	System is adequate
437	Are emergency lighting arrangements available at first aid center?	Yes	System is adequate
C-22.4 Periodic Medical Examination			
438	Whether list of required PPE for each hazardous activity is available?	Yes	
439	Whether feedback from workers obtained during selection of PPE?	Yes	
440	Have the workers been trained in proper use of PPE including BA sets?	Yes,	
441	What is the system of procurement, inspection, issue, maintenance and replacement of PPE?	As per store record.	
442	Whether qualitative and quantitative fit-check for respirators is ensured prior to use?	Yes	
443	What are the arrangements for safe custody and storage of PPE?	At stores.	
444	Are the contractor's workers provided with the required PPE?	Yes	

Sr No	Provision	Status	Remark
445	Do the PPE conform to any standard?	Yes	
446	Are sufficient eye wash fountains and safety showers available?	Yes	Sufficient eye wash fountains and safety showers provided 43 nos,
447	Whether appropriate respiratory protective devices are available in accordance to the hazard potential?	Yes	
448	Are the staff members trained in the right uses of respiratory protective devices?	Yes	
	C-22.6 Occupational Diseases		
449	Whether pre-employment medical checkup data available?	Yes	
450	During the medical checkup, is any person found having occupational diseases mentioned in 3rd schedule of *The Factories Act*, 1948?	No ,	Nil
451	Whether the medical practitioner informed the Chief Inspector of Factories about the occurrence of the occupational disease?	N/A	Nil
	C-23 ACCIDENT / INCIDENT REPORTING, INVESTIGATION AND ANALYSIS		
	C-23.1 Accident Reporting and Database Management		
452	What is the procedure for accident / incident / dangerous occurrence reporting?	SOP Available . as per accident reporting format. Form 24 dangerous occurrence reporting in form 24 –A	
453	Whether the accident data for the last *five* years for reportable and non-reportable accidents are available?	Yes	last five years data is available.
	C-23.2 Accident Investigation		
454	Are all the accidents investigated?	Yes	
455	Whether accident investigation procedure is documented?	Yes	
456	Whether accident investigation reports are submitted to top management?	Yes	By reporting,
457	How are the findings from accident investigation reports communicated to workers?	By training	
	C-23.3 Analysis of Accidents		
458	Whether accident analysis is done as per IS 3786?	Yes	

Sr No	Provision	Status	Remark
459	Whether root causes of accidents are analyzed?	Yes	
460	Is the accident statistics effectively utilized? If yes, how?	Yes	Used for training at shop floor.
461	What nature of injuries occurred during the last five years?		Physical injury, cut injury.
C-23.4 Implementation of Recommendations			
462	How does the management ensure implementation of the recommendations to avoid recurrence of accidents and incidents?	Yes, training	Regular follow up for CAPA compliance through mail & discussed in daily PD meeting along with all dept heads.
C-23.5 Reporting and Investigation of Near-miss Incidents			
463	Are all near-miss incidents reported and investigated?	Yes	Near-miss incidents and accidents reported and investigated.
464	Is there any system of classifying and analyzing the near-miss incidents?	Yes,	Classification & analyses of near miss & accident as per SOP EHS/STD/KKB/EHS-9/01 Class –Near miss, Incident, First aid, accident, Reportable accident & Dangerous Operation. CAPA analyzed in all incidents.
C-24 EMERGENCY PREPAREDNESS			
C-24.1 Site Specific Details			
465	Are the site area maps (including layout, access roads and assembly points) available in control room / emergency control Centre?	Yes	
C-24.2 Duties and Responsibilities of Key Personnel			
466	Is the hierarchy of emergency response personnel right from site emergency controller downward, and alternative officials identified?	Yes	
467	Are the duties and responsibilities assigned to the designated officials during emergency, both during and outside normal working hours clearly identified and understood by them?	Yes	
C-24.3 Identification of Emergencies and Accident Scenario			
468	Are the possible accident scenarios leading to emergency identified and known to the operating personnel?	Yes	System is adequate
469	Are approved emergency preparedness plans (onsite and off-site) in place?	Yes	System is adequate
C-24.4 Declaration and Termination of Emergency			
470	Is the list of designated officials who are to be communicated about declaration and termination of emergency available in the control room / emergency control center?	Yes	

Sr No	Provision	Status	Remark
471	Are the methods of communication (siren, public address system etc.) for declaration and termination of an emergency known to all the workers?	Yes,	
	C-24.5 Resources-evacuation / Transport		
472	Are the following resources (equipment, personnel and procedures) required to handle emergency available?	Yes	System is adequate
	1) Communications,	Yes	
	2) Public announcement systems	Yes	
	3) Monitoring of hazardous releases into the environment,	Yes	
	4) Emergency shelters at the facility,	Yes	
	5) Emergency exits with proper illumination, with uninterrupted power supply,	Yes	
	6) Direction for emergency exit / escape route marked in haulage / Alleyways,	Yes	
	7) Transport for evacuation of plant personnel,	Yes	
	8) Medical care including administration of antidotes, and	Yes	
	9) Security / maintenance of law and order.	Yes	
	C-24.6 Communication Facilities		
473	Does the emergency control centre have direct communication links with the fire station and the plant control room?	Yes	
474	Are there adequate alarm points from which an emergency alarm can be raised?	Yes	
475	Is there infrastructure available for ensuring backup electric power supply for communication links where required	Yes	
	C-24.7 Medical Care		
476	Is the procedure for emergency medical care available?	Yes	
477	Whether the system has been tested at regular frequency through mock drill / exercises for its adequacy?	Yes	

Sr No	Provision	Status	Remark
478	Does the system of periodic replacement of antidotes and medicines required in emergency exist?	Yes	
	C-24.8 Updating of Emergency Plan		
479	Is the emergency plan updated based on the feedback from the periodic drills / exercises?	Yes,	
480	Are the contact details of all concerned officials kept updated in the emergency plan?	Yes,	
	C-24.9 Periodic Drills / Exercises		
481	Are mock-exercises conducted at stipulated intervals?	Yes	Once in Six month
482	Are the scenarios varied in the mock-exercises to ensure that all possible factors including meteorological conditions, affected plant personnel covered?	Yes	
483	Whether emergency preparedness Plans have been tested and reviewed at regular frequency through mock drill for its adequacy	Yes	
	C-24.10 Training of Plant Personnel		
484	Are the plant personnel trained in handling emergency equipment?	Yes,	
	C-24.11 Public Awareness Programmes		
485	Are public awareness programs conducted for the people around the site regarding the actions to be taken in case of off-site emergency?	Yes.	
	C-24.12 Mutual-aid Programme		
486	Are the types of accidents where external organizations would be involved in remedial actions identified? Are their responsibilities defined?	Yes	Kurkumbh Industrial association
487	Is the plant responsible for rendering mutual aid assistance to any other external organizations? Does this assistance effect the plant's emergency preparedness?	Yes	
488	Whether the communication channels for mutual assistance identified and known with and between two organizations?	Yes	

Sr No	Provision	Status	Remark
	C-24.13 Emergency Control Centre		
489	Is the emergency control center located beyond the effective distances of identified emergency scenarios?	Yes	
490	If the emergency control center is located within the effect distance, is it suitably protected that it will be available in case of emergency?	Yes	
	C-25 SAFETY INSPECTION		
	C-25.1 Inspection Programme		
491	Are checklists available for inspections? For example availability of checklists like:	Yes	System is adequate
	a) Handling, Storage and Transportation of hazardous chemicals;	Yes,	
	b) Electrical hazards;	Yes,	
	c) Fire safety;	Yes,	
	d) Hand and portable power tools;	Yes,	
	e) Machine hazards;	Yes	
	f) Lifting equipment;	Yes	
	g) Ladders and scaffolding;	Yes	
	h) Environmental Monitoring;	Yes	
	j) Civil structure;	Yes	
	k) House keeping ;	Yes	
	m) Emergency equipment; and	Yes	
	n) Gas cylinder and other pressure vessels used / available in the organization.	Yes	
	C-25.2 Safety Related Deficiency (SRD) Report		
492	Are SRDs generated based on the area wise checklists?	Yes	Minor while safety rounds
493	What is the procedure for resolving the SRDs?	By discussing PD, meetings & circulating mails	
494	Whether the procedure exists for notification and root cause analysis of non-conformities and action taken on them?	Yes	

Sr No	Provision	Status	Remark
	C-25.3 Safety Inspection Records		
495	Are the safety inspection records maintained?	Yes	NIL
	C-25.4 Methodology and Inspection Team		
496	Is there written procedure for safety inspection?	Yes	NIL
497	Whether safety inspection is carried out by a designated team?	Yes	NIL
498	What is the frequency of safety inspections?	Yes	Six monthly- Internal audit
499	Whether an inspection report is generated?	Yes	
	C-25.5 Compliance of Recommendations		
500	To whom the recommendations are submitted	Top management	System is adequate
501	Are recommendations of safety inspections complied in time?	Yes	System is adequate
502	Is compliance of recommendations sent to top management?	Yes	System is adequate
503	Is compliance of recommendations reviewed by safety committee?	Yes	System is adequate
504	Does top management follows-up the compliance?	Yes	System is adequate

LEGAL REQUIREMENT

1. Rule 3-A Certificate of stability: -

    - Details – **8 Nos** & Dates – **28.08.2022**
    - **Issuing Agency- Snehal S Kothari & plan approval letter no. 11210000002920, 03.10.2022.**

2. Rule 8 renewal of license: -

    - License having registration No. 112102100300648 licence no- 10005797 is renewed up to year 2026 or workers up to 500 & HP more than 2000 HP power.

3. Certificate of fitness

    - Certificate of fitness as per Rule No 18.

4. Rule 20 & 51- Record of white-washing, painting etc. (form no.8) Available.

    - The Management shall maintain records of white washing.

5. Rule 64 – Report of Examination of the crane & chain pulley block (Form 11)

The site shall make a list of lifting tools & tackles and carry-out testing with the help of competent person.

	Total equipment	Testing done on	Due on
Form 11	85	03.07.2022	02.01.2023

Name of Competent Person: **Mr. Sudhir S. Mane**

6. Rule 65 – Report of Examination of pressure plant/vessels (From 13)

Name of Competent Person: **Mr. Sudhir S. Mane**

	Total equipment	Testing done on	Due on
Form 13	167	14.12.2022	09.06.2023

7. Rule 113 – Report of Accident by the Manager (Form 24)

- Form-30 shall be maintained. **Available**
- Last Reportable accident – Date -04.03.2017 **Location: API I Store**
- The Management shall record all the accidents. All the accidents shall be investigated and analyzed as per IS 3786 code.

8. Rule 45 – Latrine – 1/25 people.

- **No. of latrine: 16 Nos.**
- **No of urinals: 21 No.**

9.Rule 67 – Protection of eyes

- The Management has provided Safety goggles to the workmen.

10. Rule 73 – J – Safety Committee

- The Management has a Safety committee is as per legal provisions.
- The Management shall take immediate steps and appoint a qualified safety officer and lead the Safety committee as per Rule 73-J.

11. Rule 73 – L – Health& Safety Policy

- . The Management shall prepare Health & Safety Policy as per Rule-73

12. Rule 73 – V – Medical Examinations

- Annual Health Checkup shall be carried out with the help of certifying surgeon and reports shall be maintained in Form-7.
- **Date: 26.11.2021 yearly**
- **No of Employees: 206 Nos. Contractor 207 nos.**
- **Name of Certifying Surgeon: Dr. P V Bhandarkar**

13. Rule 73 – W – Occupation Health Centers- Available

14. Rule 73 – X – Ambulance Vans

Details- **Available. Vehicle no. MH-42-M-7793**

15. Rule 78 – Ambulance room

- **Available.**

16. Rule 76 – First – aid appliance

- First aid boxes are provided. – **16 Nos first aid box**
- The site shall train few employees in First aid to ensure that at least 4-first aiders are available per shift. **Available.**
- **Total First Aider: 52 Nos**

17. Rule 77 – Notice regarding first – aid

Notice shall be displayed. - **Main notice board at Canteen**

18. Noise Level

- The Management shall carry-out Noise level survey with the help of MoEF approved laboratory. **Report available – Last study done on 23.08.2022.**
- The Management shall provide ear protection for the workmen working in high noise areas. **Yes**

- Details of NOISE SURVEY- **Report available**

19. Rule 35 – Standards of lighting of factories

- Illumination survey Details - **Report available. Last report- July- 2022.**

20. Rule 39 – Quantity of drinking water - Available as per requirement.

21. Rule 70 – Fire Protection

- Fire NOC Details - **No MIDC/Fire/C-03713 Date: 12.06.2018**
- Form "B" shall be submitted. Date -**July 2022**
- One fire water storage tanks – **550 M3** for fighting and sprinkler
- Electric Motor driven hydrant pump cap. – **273 m3/hr.** meter head
- Electric Motor driven sprinkler pump cap. – **Not Applicable.**
- Standby diesel engine driven hydrant pump cap. – **273m3/hr.** meter head
- Jokey pump – **167 lit/m** meter head
- 65/65 Nos hydrant valves/hose boxes/hose & branch pipes/water monitor etc.
- Sprinkler system is provided in plant building High velocity spray nozzle -
- Hydrant valve – **65 nos.**
- Hose box with **65 nos** of hoses & No branch pipe –
- Hose reel – **19 nos**
- 4-way fire brigade connector – **Not Available**
- 4-way fire brigade for tank outlet – **Not Available**
- Deluge valve 150 NB - **Not Available**

- **Factory Premises** extinguishers are provided
- Provision of smoke/ heat detector – **Factory Premises**
- Fire alarm panel – 01
- Repeater panel – 06 nos
- Beam detector – **Not Available**
- MCP – 56 nos
- Hooter – 41 nos

22. Rule 70 – 3. Protection against lightning

- **Lighting arrested provided on building. No. of LA- 22**
  LRA done on- June- 2022

23. Rule 58 – Register of specially trained adult workers.

- A register of specific trained adult worker as per MFR 1963 shall be maintained as and when required in Form No 10. **Not Applicable**

24. Number of D.G. set & their capacity

- **01 nos -1250 KVA**

25. Number of the electrical connections with Service Number and demand load

Transformer details- 01 nos. 2500 KVA

26. Total connected load

- Total Connected load is **3105 KW**

27. The method of disposal of effluent and the final point of disposal of effluent.

- **Zero Liquid Discharge facility.**

28. The current status of consent under the water, Air and Hazardous Waste Authorization.

- Consent No. **0000118891/CO/2205000394**

- **Valid up to date: 30.04.2025**
- **Category- Red**

- Hazardous Waste- **Spent Solvent, All types of residues. (Copy attached)**
- **Non-Hazardous waste -125 MT/A**

29. The method of storage, treatment and disposal of hazardous / solid waste (Area of storage and disposal, covered or open etc.)

- The Hazardous waste is Sold to authorized CHWTSDF.
  M/s. MEPL Rajangaon.
- **Waste solvent sold to authorised re-processor. -Sun Chemical Mumbai**

30. Whether Factory has appointed a Factory medical officer. If, full time or part time. Please also include the details about the Name, Address and Qualification of the Factory medical officer.

- Factory Medical officer. **Dr. Laxmikant Raut MBBS DPH/AFIH**.
- The factory shall make an agreement with neighboring hospital like –
  Pyramid Hospital. Daund.

31. Whether insurance policy obtained under the PLI Act.

- The site shall obtain Public Liability Insurance Policy. -
- **Policy No -OG-20-1919-3304-00000001**

32. PESO/ CCOE LICENSES- **Available**

SR NO	TANK CODE	UNDER/ABOVE	CAPACITY	MOC	SOLVENT
TANK DETAILS					
1	UGT-201	Underground	25 KL	SS Tank	Methanol
2	UGT-202	Underground	25 KL	SS Tank	Methanol
3	UGT-203	Underground	25 KL	SS Tank	Acetone
4	UGT-204	Underground	25 KL	SS Tank	Toluene
5	UGT-205	Underground	25 KL	SS Tank	IPA
6	UGT-206	Underground	25 KL	SS Tank	Ethyl acetate
7	UGT-207	Underground	25 KL	SS Tank	IPAC
8	OHST-201	Above ground	30 KL	MS Tank	HSD
9	OFST-201	Above ground	50 KL	MS Tank	Furnace Oil
10	OSST-201	Above ground	30 KL	MS Tank	SPDS
11	OSST-202	Above ground	25 KL	SS Tank	MDC
12	OSST-203	Above ground	25 KL	SS Tank	MDC

33. INDIAN ELECTRICITY RULE

Hazardous area classification done on – Jan.-2018.

Arc Flash Study- 18.07.2019

Earth Pit testing done on- June- 2022. Total no. of earth pits- 240.

34. BOILER HOUSE

2 nos of 2 TPH steam boilers (01 working& 01 stand-by)

Registration no.	Last Testing date
MR15715	**13.09.2022**
MR14643	**14.10.2022**

ANNEXURE :

LIST OF RAW MATERIAL / FG /FLOW CHARTS

ACTION PLAN

This Safety Audit study was carried out by Sudhir S. Mane, Approved Safety Auditor by Govt. of Maharashtra. There are adequate numbers of safety systems designed to cater to the needs of the site backed with budgetary support, strict administrative control, and follow up is required and records shall be maintained properly. Internal audits, internal inspections, training program, mock drills should be carried out at regular intervals. The Management was found to have positive approach towards the safety at site. There is a satisfactory compliance of the legal requirements. The management is keen to follow up on the compliance needs.

In conclusion, to fulfil the Safety Audit objectives the audit team urges that the safety standards should be looked after satisfactorily to ensure the safe operations at site. In pursuit of continual improvement, the systems have adequate ability to achieve the desired goals.

Action on the Safety Audit report by the Occupier is most important. As the nature of recommendations cover many aspects of the site activity, all cannot be complied simultaneously but can be phased out. Definite action plan for compliance and regular follow up will help in achieving the objectives of theAudit.

Disclaimer

Every effort has been made to ensure that all statements and information provided in the report are given in good faith and are related to matters observed during the audit and the information supplied by the organization.

The items commented on in this report are limited to areas reviewed during the audit process, and should not be taken as identifying all areas of possible unsafe conditions and/or contravention of statutory requirements.

WE accept no responsibility to the organization or their (potential) insurers as a result of inaccuracies in the report arising for whatever reason if the report is disclosed for the purposes of obtaining insurance. We also accept no responsibility for any mishap/incident which may happen due to unsafe act or unsafe conditions during the manufacturing activity or other operations.

END OF REPORT

ANNEXURE-X

DR. P. V. SHENDARKAR
M.B.B.S., A.F.I.H., (C.L.I. Mumbai.)
* Consultant in Occupational Health.
* A Member of Indian Association of Occupational Health (India) I.A.O.H. & I.M.A.
* Ex. Govt. Medical Officer CL - II - In Dept of Chest Disease, Emergency, Medicolegal Dept.

CONSULTING :
AKSHAY CLINIC AND DIAGNOSTIC CENTER
Opp. Lokmanya Nagar Bus Depo,
Thane - (West), Thane - 400 606.
Phone : 022 - 25835050

MEDICAL EXAMINATION REPORT

Company Name : CIPLA LIMITED UNIT - II
Date of Exam : 29-Jun-24
Employee Name : MR. CHETAN PACHRUPE
Employee Code No. : 91833
Serial Test Code No. : LP-126
Age : 35 **Yrs.** Sex : M Height : 173 **Cms.** Weight : 70 **Kg.**
Contractor Name :
Department : BULK DRUG-1
Identification Mark :

❖ PRESENT COMPLAINTS

NO

SPO2-97%

❖ PAST HISTORY

MAJOR ILLNESS : NO

OPERATION : NO

❖ FAMILY HISTORY

DM : NO
HT : NO
IHD : NO
ASTHAMA : NO
OTHERS : NO

❖ PERSONAL HISTORY

SMOKING : NO
TOBACCO : NO
ALCOHOL : NO
PAN : NO

❖ CLINICAL EXAMINATION

◆ GENERAL EXAMINATION

PULSE : 85 **/ Minute**
OEDEMA FEET : NO
SKIN : NAD
BP : 130/68 **Mm Of HG**
DEFORMITIES : NO
NAILS : NAD
LYMPH NODES : NP
THYROID : NAD

EMPLOYEE NAME : MR. CHETAN PACHRUPE **AGE :** 35 **TEST CODE :** LP-126

❖ SYSTEMIC EXAMINATION

◆ **RESPIRATORY SYSTEM**

CREPTS : NO RHONCHI : NO

◆ **CARDIOVASCULAR SYSTEM**

HEART SOUNDS : NORMAL MURMURS : NO

◆ **ABDOMEN**

LIVER : NP SPLEEN : NP LUMP : NIL

HERNIA : NO HYDROCELE :NO

◆ **MUSCULO SKETEAL**

BONES : NAD JOINTS : NAD POSTURE : NAD

◆ **NERVOUS SYSTEM**

MOTOR SYSTEM : NAD REFLEXES : NAD

SENSORY SYSTEM : NAD

◆ **MENSTRUAL HISTORY**

MENSTRUAL CYCLE : LECORRHOCA :

MENSTRUAL FLOW : MENOPAUSE :

❖ ELECTRO CARDIOGRAM (E. C. G.)

❖ XRAY CHEST

NORMAL

❖ PULMONARY FUNCTION TEST

F.E.V1 : 83 F.V.C. : 77

RESULT : NORMAL

❖ AUDIOMETRY NORMAL

❖ VISION

VISION	WITHOUT GLASSES		WITH GLASSES		
NEAR	L N/6	R N/6	L	R	COLOUR VISION
FAR	6/6	6/6			NORMAL

ADVICE

FITNESS : Free From TB, skin & other communicable or contagious diseases-FIT

Dr. SHENDARKAR P. V.
M.B.B.S.,A.F.I.H.
Reg. No. [illegible]16
Opp. Lokmanya Nagar Depot
(Maharashtra) Thane-06

AKSHAY CLINIC AND DIAGNOSTIC CENTER
OPP. LOKMANYA NAGAR BUS DEPO, THANE - (WEST), THANE - 400 606.

EMPLOYEE NAME : MR. CHETAN PACHRUPE **AGE :** 35 **TEST CODE :** LP-126

❖ EXAMINATION OF BLOOD

		NORMAL VALUES
HAEMOGLOBIN : 16.00	**gms / dl**	[MALE * 13.2 - 17.0] [FEMALE * 12.0 - 16.0]
LEUCOCYTES : 7400		4,000 - 11,000 /cu. mm.
PLATELET COUNT : 322000		1,50,000 to 4,50,000 /cu. mm.

❖ DIFFERENTIAL COUNT

NEUTROPHILS : 60 %		[40 - 75 %]
LYMPHOCYTES : 35 %		[20 - 45 %]
MONOCYTES : 03 %		[1 - 6 %]
EOSINOPHILS : 02 %		[2 - 10 %]
BASOPHILS : 00 %		[0 - 1 %]

❖ EXAMINATION OF URINE

◆ MACROSCOPIC EXAMINATION

VOLUME	: 05 ml	COLOUR	: Pale Yellow	APPEARANCE	: CLEAR
SPECIFIC GRAVITY	: QNS	REACTION	: ACIDIC	BS / BP	: ABSENT
SUGAR	: ABSENT	KETONE	: ABSENT	PROTEINS	: ABSENT
OCCULT BLOOD	: ABSENT	SEDIMENT	: ABSENT	SPERMATOZOA	: ABSENT

◆ MICROSCOPIC EXAMINATION

PUS CELLS	: 01 - 02 / hpf	CASTS	: ABSENT	A. MATERIAL	: ABSENT
EPITHELIAL CELLS	: 01 - 02 / hpf	CRYSTALS	: ABSENT		
ERYTHROCYTES	: ABSENT	BACTERIA	: ABSENT		

❖ REPORT ON BIOCHEMICAL EXAMINATION

BIOCHEMICAL TEST	PATIENTS VALUE	NORMAL RANGE
BLOOD SUGAR RANDOM	96.70	upto 145 mg / dl
SGPT	26.10	5 - 40 IU / L
SERUM CREATININE	0.58	0.5 - 1.4 mg / dl

Dr. SHENDARKAR P. V.
M.B.B.S.,A.F.I.H.
Reg. No. 55246
Opp. Lokmanya Nagar Depot
(Mahada) Thane-06

ANNEXURE - I

DR. P. V. SHENDARKAR
M.B.B.S., A.F.I.H., (C.L.I. Mumbai.)
* Consultant in Occupational Health.
* A Member of Indian Association of Occupational Health (India) I.A.O.H. & I.M.A.
* Ex. Govt. Medical Officer CL - II - In Dept of Chest Disease, Emergency, Medicolegal Dept.

CONSULTING :
AKSHAY CLINIC AND DIAGNOSTIC CENTER
Opp. Lokmanya Nagar Bus Depo,
Thane - (West), Thane - 400 606.
Phone : 022 - 25835050

MEDICAL EXAMINATION REPORT

Company Name : CIPLA LIMITED UNIT - II
Date of Exam : 29-Jun-24
Employee Name : MR. PRAVIN CHAVAN
Employee Code No. : 32092
Serial Test Code No. : LP-124
Age : 34 **Yrs.** Sex : M Height : 170 **Cms.** Weight : 82 **Kg.**
Contractor Name :
Department : BULK DRUG-2
Identification Mark :

❖ PRESENT COMPLAINTS

NO

SPO2-98%

❖ PAST HISTORY

MAJOR ILLNESS : NO

OPERATION : NO

❖ FAMILY HISTORY

DM : NO
HT : YES
TB : NO
ASTHAMA : NO
OTHERS : NO

❖ PERSONAL HISTORY

SMOKING : NO
TOBACCO : NO
ALCOHOL : NO
PAN : NO

❖ CLINICAL EXAMINATION

◆ GENERAL EXAMINATION

PULSE : 80 **/ Minute**
OEDEMA FEET : NO
SKIN : NAD
BP : 130/78 **Mm Of HG**
DEFORMITIES : NO
NAILS : NAD
LYMPH NODES : NP
THYROID : NAD

EMPLOYEE NAME : MR. PRAVIN CHAVAN **AGE :** 34 **TEST CODE :** LP-124

❖ SYSTEMIC EXAMINATION

◆ **RESPIRATORY SYSTEM**

CREPTS : NO RHONCHI : NO

◆ **CARDIOVASCULAR SYSTEM**

HEART SOUNDS : NORMAL MURMURS : NO

◆ **ABDOMEN**

LIVER : NP SPLEEN : NP LUMP : NIL

HERNIA : NO HYDROCELE :NO

◆ **MUSCULO SKETEAL**

BONES : NAD JOINTS : NAD POSTURE : NAD

◆ **NERVOUS SYSTEM**

MOTOR SYSTEM : NAD REFLEXES : NAD

SENSORY SYSTEM : NAD

◆ **MENSTRUAL HISTORY**

MENSTRUAL CYCLE : LECORRHOCA :

MENSTRUAL FLOW : MENOPAUSE :

❖ ELECTRO CARDIOGRAM (E. C. G.)

❖ XRAY CHEST

NORMAL

❖ PULMONARY FUNCTION TEST

F.E.V1 : 92 F.V.C : 88

RESULT : NORMAL

❖ AUDIOMETRY NORMAL

❖ VISION

VISION	WITHOUT GLASSES		WITH GLASSES		
NEAR	L N/6	R N/6	L	R	COLOUR VISION
FAR	6/6	6/6			NORMAL

ADVICE

Regular exercise & Diet control

FITNESS : Free From TB, skin & other communicable or contagious diseases-FIT

Dr. SHENDARKAR P. V.
M.B.B.S.,A.F.I.H.
Reg. No. [illegible]16
Opp. Lokmanya Nagar Depot
(Mahada) Thane-06

AKSHAY CLINIC AND DIAGNOSTIC CENTER
OPP. LOKMANYA NAGAR BUS DEPO, THANE - (WEST), THANE - 400 606.

EMPLOYEE NAME : MR. PRAVIN CHAVAN **AGE :** 34 **TEST CODE :** LP-124

❖ EXAMINATION OF BLOOD

		NORMAL VALUES
HAEMOGLOBIN : 15.90	**gms / dl**	[MALE * 13.2 - 17.0] [FEMALE * 12.0 - 16.0]
LEUCOCYTES : 6100		4,000 - 11,000 /cu. mm.
PLATELET COUNT : 220000		1,50,000 to 4,50,000 /cu. mm.

❖ DIFFERENTIAL COUNT

NEUTROPHILS : 55 %		[40 - 75 %]
LYMPHOCYTES : 40 %		[20 - 45 %]
MONOCYTES : 02 %		[1 - 6 %]
EOSINOPHILS : 03 %		[2 - 10 %]
BASOPHILS : 00 %		[0 - 1 %]

❖ EXAMINATION OF URINE

MACROSCOPIC EXAMINATION

VOLUME : 06 ml	COLOUR : Pale Yellow	APPEARANCE : CLEAR
SPECIFIC GRAVITY : QNS	REACTION : ACIDIC	BS / BP : ABSENT
SUGAR : ABSENT	KETONE : ABSENT	PROTEINS : ABSENT
OCCULT BLOOD : ABSENT	SEDIMENT : ABSENT	SPERMATOZOA : ABSENT

MICROSCOPIC EXAMINATION

PUS CELLS : 01 - 02 / hpf	CASTS : ABSENT	A. MATERIAL : ABSENT
EPITHELIAL CELLS : 01 - 02 / hpf	CRYSTALS : ABSENT	
ERYTHROCYTES : ABSENT	BACTERIA : ABSENT	

❖ REPORT ON BIOCHEMICAL EXAMINATION

BIOCHEMICAL TEST	PATIENTS VALUE	NORMAL RANGE
BLOOD SUGAR RANDOM	87.60	upto 145 mg / dl
SGPT	22.40	5 - 40 IU / L
SERUM CREATININE	0.60	0.5 - 1.4 mg / dl

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Reg. No. 55246
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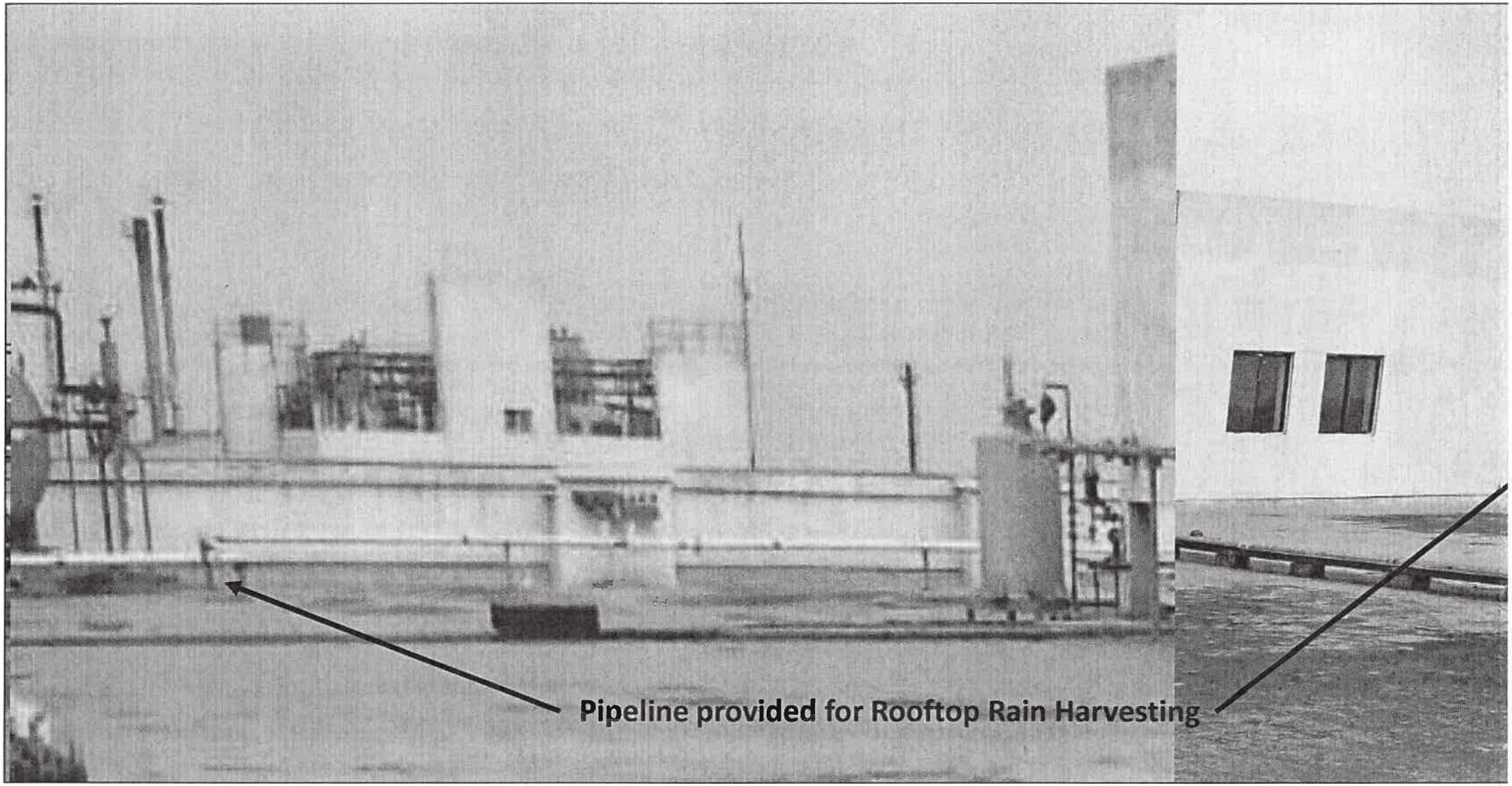
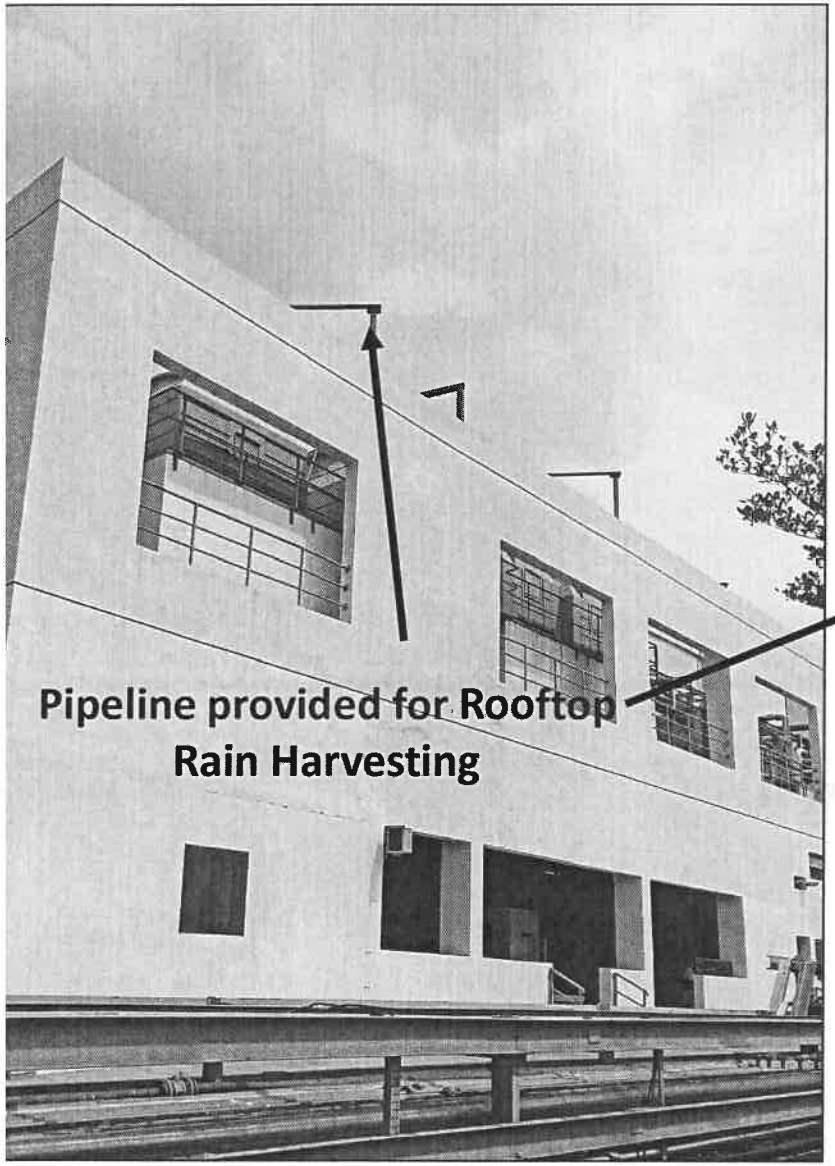
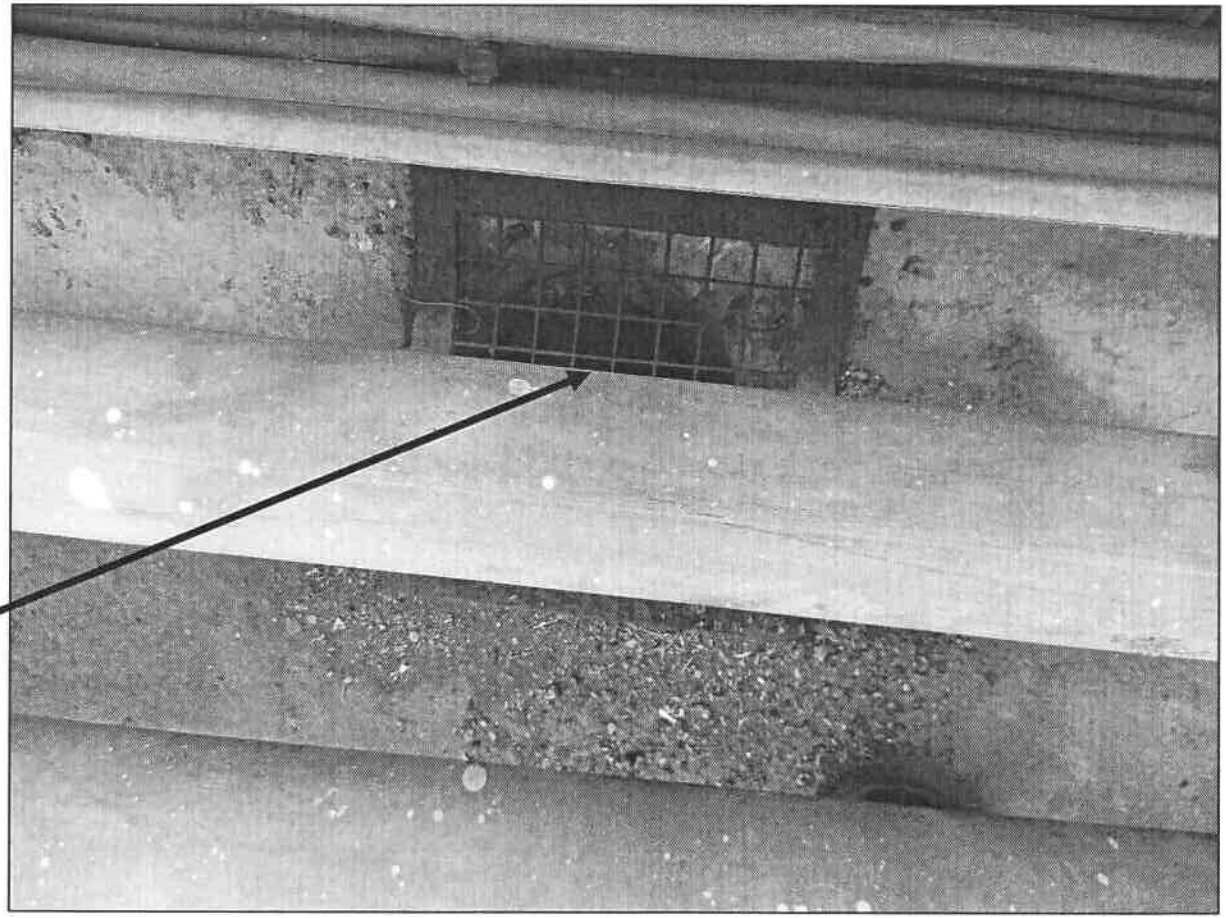
(Mahada) Thane-06

ANNEXURE- XI

RWH System




Pipeline provided for Rooftop
Rain Harvesting



ANNEXURE - III

Work-wise details with budget spent on CSR/CER activities under*									
No	Name of Village	Financial Year	Health [Eradicating hunger, poverty and malnutrition, promoting health care including preventive health care and sanitation etc,.]	Education [Promoting education, including special education and employment enhancing vocation skills Infrastructure for educations	Environmental		Any other activities [Inftrastructure development, drinking water supply project, social cuase, support to other trusts]	Amount in Lakhs	Beneficiaries / targets
					Improvement	Awareness			
					Water conservation [rainwater harvesting,	protection of flora and fauna, animal welfare, agro forestry, conservation of natural resources and maintaining quality of soil, air			
1	16 Villages located surronding Kurkumbh	2020-21	Mobile Healthcare Unit					16.95	15000+ OPDs
2	Kurkumbh	2020-21	Support to PHC Kurkumbh						
3	Daund	2020-21	Covid support - 200 packets of dry ration to Daund Tahsildar for distribution to vulnerable / underprivileged families					2.50	200 vulnerables / underprevileged families
4	Girim, Pandharewadi, Kurkumbh, Jiregaon	2020-21	Covid support to local stakeholders					0.46	
5	Daund SDH	2020-21	Corona (COVID 19) Disaster Response - Support to Sub-District Hospital, Daund					0.48	
6	Kurkumbh	2020-21	Corona (COVID 19) Disaster Response - Support to Primary Health Centre, Kurkumbh					0.27	
7	Daund	2020-21	Corona (COVID 19) Disaster Response - Support of dry ration packets to families of people with disability which are located at Daund Taluka.					0.46	
8	Daund	2020-21	Corona (COVID 19) Disaster Response - Support to Sushrusha Institute of Nursing Sciences (Authorized Covid Care Centre, Daund)					0.15	
9	Bhigwan	2020-21	Support to Government Covid Care Centre, Bhigwan for Oxygen Concentrators					0.73	

#	Kurkumbh	2020-21	Support to Primary Health Centre, Kurkumbh for Medical Equipment					**2.03**	
#	Rawangaon	2020-21	Support to PHC Ravangaon - Installation of Sanitation blocks					**3.08**	
#	Jaoli, Satara	2020-21	Covid-19 support - Covid Care Centre Jaoli (established at PHC Medha), Dist. Satara					**0.29**	
#	Daund Taluka	2020-21	Support to Kurkumbh, Daund and surrounding area Schools for Sanitization kits					**3.59**	50 Schools
#	Daund	2020-21	Support to Sub-District Hospital, Daund for provision of Mortuary Cabinets and Solar Water Heater System					**2.63**	
#	16 Villages located surronding Kurkumbh	2021-22	Mobile Healthcare Unit					**22.26**	**15000+ OPDs**
#	Rawangaon	2021-22	Installation of Sanitation Blocks for boys & girls at Saraswati Vidyalaya Ravangaon					**10.09**	600 Students and teachers
#	Kurkumbh	2021-22	Support to Primary Health Centre, Kurkumbh- Hydraulic Delivery Table					**0.85**	
#	Manchar	2021-22	Covid response - Support to Sub-District Hospital Manchar					**0.27**	
#	Kurkumbh, Girim	2021-22	Covid Response Activity - Support for Covid Care Material to local Grampanchayats, Covid Care Centres, Local Administration, etc.- Kurkumbh					**8.61**	
#	Daund Taluka	2021-22	Support to Covid Care Centres for provision of 100 beds with IV stands, mattresses & pillows at Kurkumbh & surrounding area					**7.91**	

#	Daund Taluka	2021-22	Covid response activity : Support to Taluka Health Dept - Provision Rapid Antigen Testing kits for Covid Care Centres					**6.74**	
#	Daund Taluka	2021-22	Covid response activity : Support to Taluka Health Dept - Provision of 10000 Rapid Antigen Testing kits					**13.49**	
#	Daund Taluka	2021-22	Covid Response Activity : Support to ASHA workers and Anganwadi Sevikas located in Daund Taluka for kits of personal protective material - 910 Nos.					**9.98**	
#	Daund, Roti, Boribel and Kusegaon	2021-22	Provision of Tata Nest Modular Sanitation blocks at four Schools located in Kurkumbh & Surrounding area					**25.00**	
#	16 Villages located surronding Kurkumbh	2022-23	Mobile Healthcare Unit					**23.89**	
#	Daund, Gopalwadi, Morevasti and Betwadi	2022-23	Provision of Sanitation Blocks for boys & girls in five Schools located Surrounding Kurkumbh - FY 2022-23					**35.88**	2900 Students
#	Girim and Pandharewadi	2022-23	Provision of Tata Nest (Mobinest) portable prefabricated Cabins for PHC Sub-Centres at village Pandharewadi & Girim					**25.33**	
#	20 Schools located surronding Kurkumbh	2020-21		Mobile Science Lab				**13.91**	**15000+ OPDs**
#	Daund	2020-21		Benches to School - Seth Jotiprasad Vidyalaya				**3.06**	130 Students
#	Dund and surrounding area	2020-21		Financial support to Students for MSCIT course and Teachers for MSACIT course				**3.63**	125 Students + 20 Teachers

#	Betwadi, Daund, Morevasti	2020-21		Project D-LEAD (Digital Learning Tabs to Students) - 267 Nos.				**16.26**	267 Students
#	13 Schools surrounding Kurkumbh	2020-21		Merit Awards to SSC Students at Kurkumbh, Patalganga and Mumbai - FY 2020-21				**6.47**	43 Students
#	Rawangaon	2020-21		50 benches to Saraswati Vidyalaya, Ravangaon				**2.15**	100
#	Betwadi	2020-21		Renovation of School Complex - Shriyog Madhyamik Vldyalaya, Betwadi				**8.96**	223 Students
#	18 Schools surrounding Kurkumbh	2021-22		Merit Awards to SSC Students - Kurkumbh - FY 2021-22				**3.51**	70 Students
#	Kurkumbh and surrounding area	2021-22		Project D-Lead (Phase- IV): Smart Classroom setup in 11 Schools located Kurkumbh & Surrounding Area.				**3.50**	
#	Kukrumbh and surrounding area	2021-22		Scholarship to underprivileged Students for Computer Course MSCIT and Support Teachers for MSACIT - FY 2021-22				**9.00**	230 Students and 50 Teachers
#	20 Schools located surronding Kurkumbh	2021-22		Mobile Science Lab (MSL) - Kurkumbh (Phase - II)				**13.41**	2000 Students
#		2021-22		Project D-LEAD (Digital Learning Excellence and Development)				**0.27**	

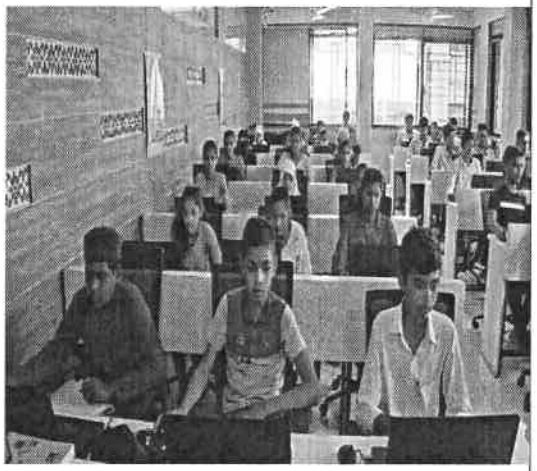
#	Morevasti and Daund	2021-22		Project D-Lead (Phase- Pilot) : Tab Lab + Smart TV project at Shri Gupteshwar Madhyamik Ashramshala, Morewasti and Smt Lajwanti Garrella High School, Daund				**16.99**	
#	Pune	2021-22					Support to RTO department for provision of stretchers to implement program	**0.27**	
#	Daund	2021-22		Support to Smt.Shantabai Kaluram Thombare Primary School, Daund for replacement of roofing sheets, fixing of roof top ventilators and painting to old staircase and grills				**4.80**	367 Students
#	Daund and Gopalwadi	2021-22		Project D-Lead Phase III (Kurkumbh) – Support to Students for Individual Learning Tabs with Accessories and iDream Educational Learning Contents to SSC Students of 3 Schools				**71.45**	
#	20 Schools located surronding Kurkumbh	2022-23		Mobile Science Lab - Agastya Foundation				**14.24**	2000 Students

#	Kurkumbh and surrounding area	2022-23		Scholarship to underprivileged Students for Computer Course MSCIT and Support Teachers for MSACIT - FY 2022-23				**13.38**	
#	Kusegaon, Daund, Betwadi and Gopalwadi	2022-23		Support for provision of Science Labs, Lab Equipment and Chemicals to Government Aided Schools located in Kurkumbh & Surrounding area				**35.38**	2800 Students
#	Kusegaon, Daund, Betwadi and Gopalwadi	2022-23		Support to Government Aided Schools located in Kurkumbh & Surrounding area to setup the Computer Labs				**31.02**	2330 Students
#	Daund and surrounding area	2022-23		Renewal of content license of existing tabs and other technical support to Schools where CF supported for Tabs to SSC Students at Kurkumbh				**10.97**	
#	Pune district	2022-23		Lila Poonawala Foundation undergraduate Scholarship and Skill Building Program - FY 2022-23				**20.25**	26 Students
TOTAL								**526.80**	

CSR Activities, Kurkumbh

Mobile Healthcare Unit providing basic healthcare services to vulnerable surrounding Kurkumbh. Project launched in 2018 and currently it is running in 16 villages.

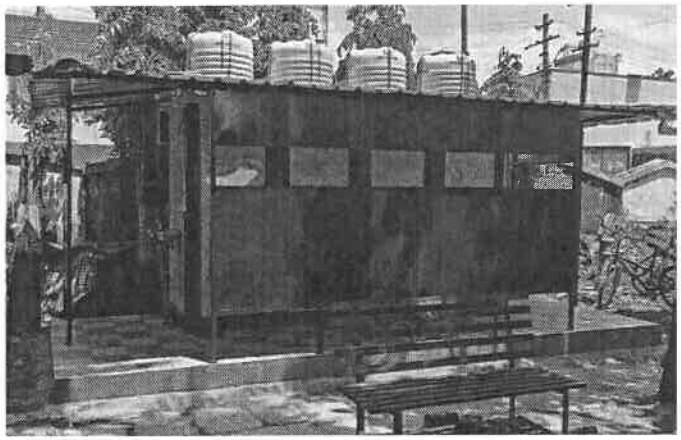
Mobile Science Lab running since 2015 and hands of science experience to students. M 20+ Schools surrounding Kurkumbh and ber students.



Supported 600+ underprivileged students for MSCIT computer course

Supported 1300+ students from 14 schools w learning tabs with digital learning contents ar classrooms.

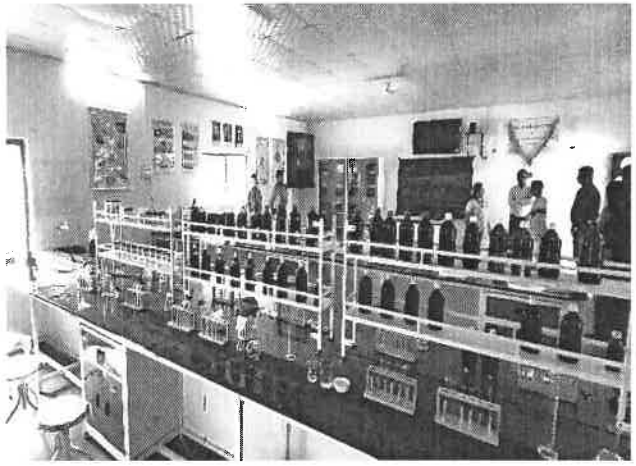
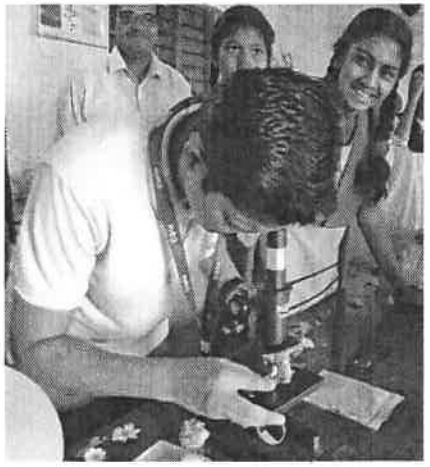
Kurkumbh

ɔorted 6 Govt. aided Schools with sanitation blocks


Supported 5 Govt. aided Schools with Computer Labs

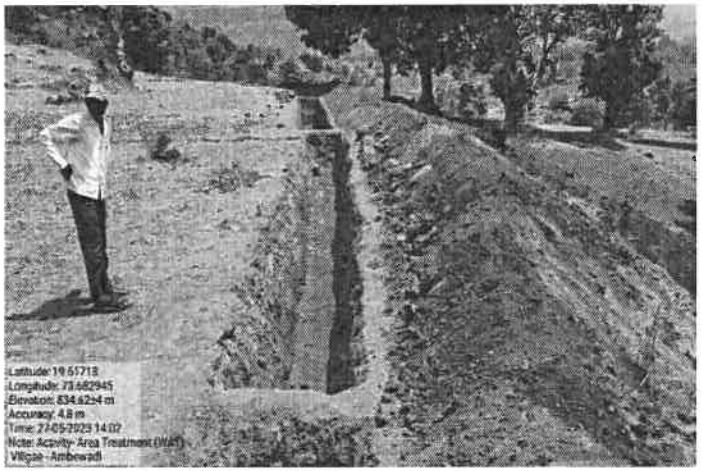

3 SSC students (top 3 ranker) with Merit Awards

Supported 5 Govt. aided Schools with Science Lab Setups

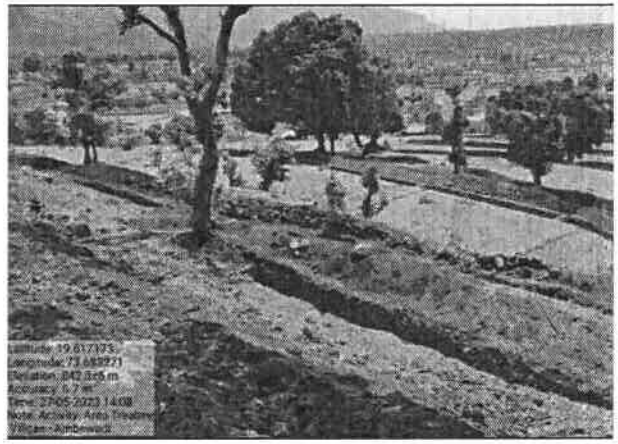
CSR Activities, Kurkumbh

Project : Watershed Development Activities – Igatpuri & Satara (Maharashtra)



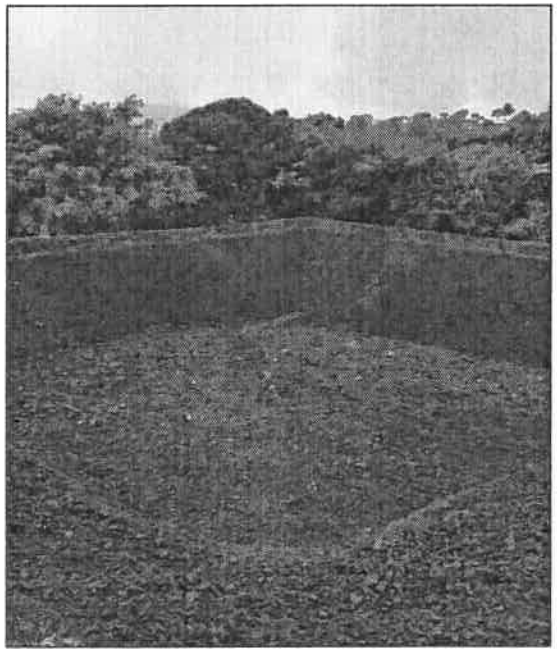
Area Treatment – Water Absorbent Trenches

Farm Bunding



Area Treatment – Water Absor Trenches

Loose Boulder Structures

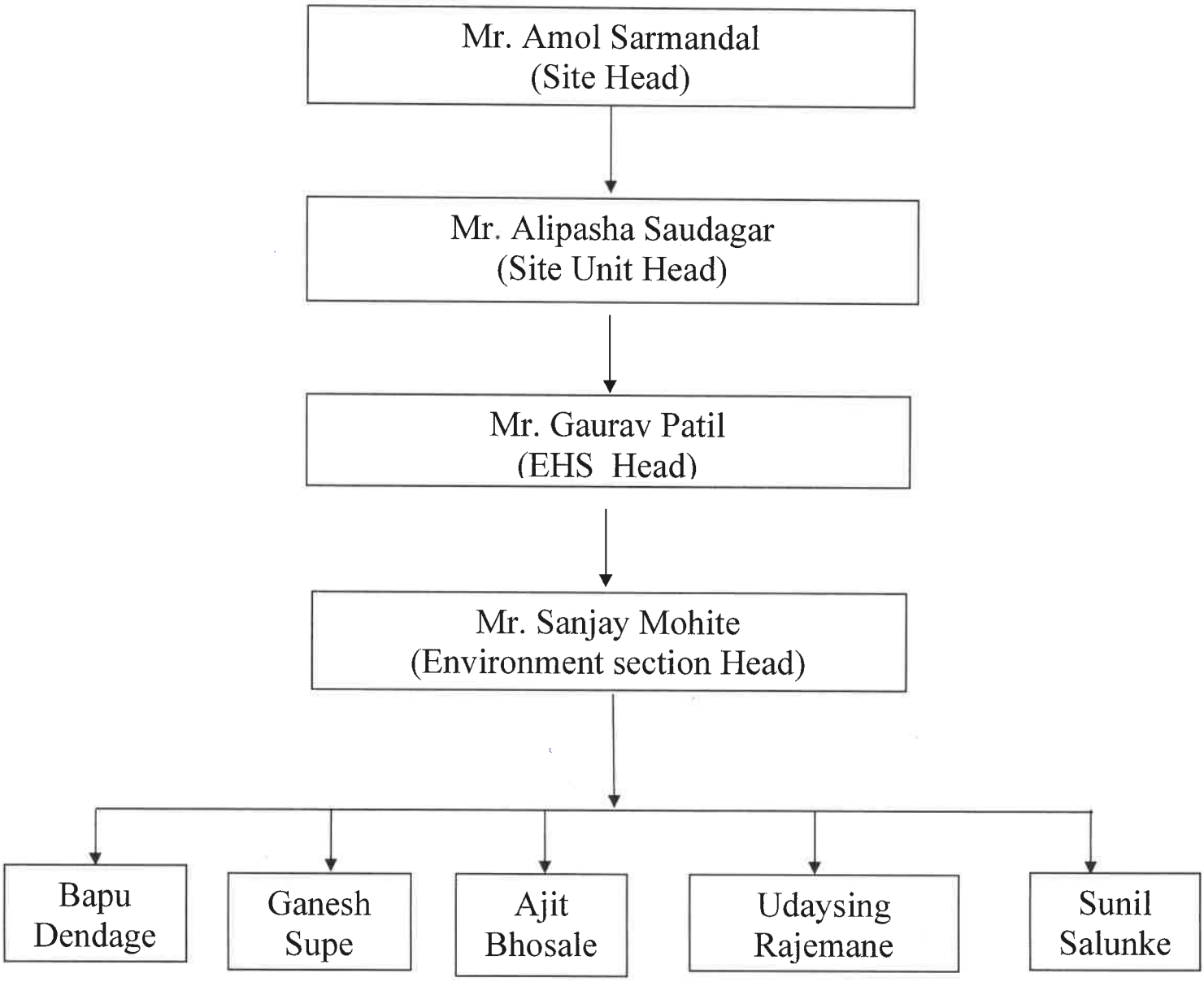


Farm Pond

Gabion Structures

ANNEXURE- XIII

Environmental Management Cell



ANNEXURE XIV

Bapu Dendage/EHS/KKB-II

From: Sanjay Mohite/EHS/KKB-II
Sent: 29.11.2024 14:45
To: Bapu Dendage/EHS/KKB-II
Subject: FW: Half Yearly EC Compliance Report Cipla Ltd Unit 2 (Plot no D27) Kurkumbh, Pune
Attachments: MoEFCC compliance EC 2023 Dec.23-May.24.pdf.zip

fyi

From: Sanjay Mohite/EHS/KKB-II
Sent: Saturday, June 1, 2024 4:41 PM
To: eccompliance-mh@gov.in
Subject: Half Yearly EC Compliance Report Cipla Ltd Unit 2 (Plot no D27) Kurkumbh, Pune

Respected Sir,

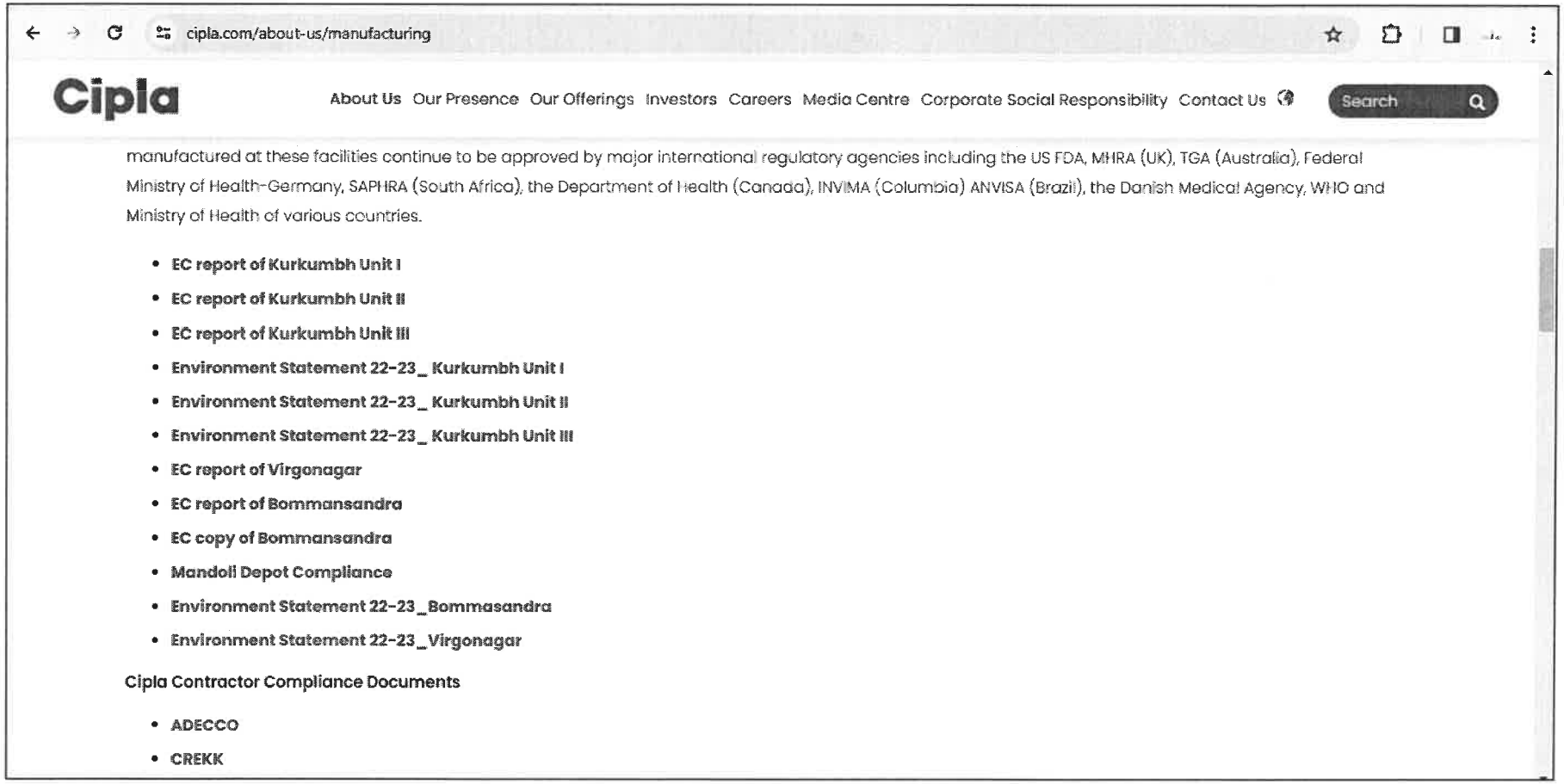
Please find the attached Half Yearly EC compliance report for EC No **SIA/MH/IND3/70271/2018 dated 18th May 2023** of M/s Cipla Ltd, Unit II Plot-No. D-27, MIDC Kurkumbh Tal-Daund, Dist Pune., Maharashtra. for the period of **Dec 2023 to May 2024.**

Regards
Sanjay Mohite
EHS Dept.
Cipla Ltd
D-27 , MIDC Area, Kurkumbh
Tal-Daund, Dist-Pune

Screenshot of Website

ANNEXURE - XV

Please find link URL :: https://www.cipla.com/about-us/manufacturing



PUBLIC NOTICE

WE ARE PLEASED TO INFORM THAT 'MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE (MoEFCC)', GOVERNMENT OF INDIA, [ISSUED BY THE STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA), MAHARASHTRA] HAS ACCORDED AN "ENVIRONMENTAL CLEARANCE" VIDE ITS EC IDENTIFICATION NO - EC23B021MH194305 DATED 18th MAY, 2023 TO "M/S. CIPLA LIMITED", (UNIT - II), PLOT NO.: D-27, MIDC KURKUMBH, TALUKA: DAUND, DISTRICT: PUNE, STATE: MAHARASHTRA FOR EXPANSION OF BULK DRUGS AND INTERMEDIATES MANUFACTURING UNIT. COPIES OF THE ENVIRONMENTAL CLEARANCE LETTER ARE AVAILABLE WITH THE MAHARASHTRA POLLUTION CONTROL BOARD (MPCB), WEBSITE OF THE INDUSTRY AND MAY ALSO BE SEEN AT THE WEBSITE OF MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE, NEW DELHI, AT

http://parivesh.nic.in

FOR, M/S. CIPLA LIMITED (UNIT - II),
MIDC KURKUMBH, TALUKA: DAUND, DISTRICT: PUNE.

VICE PRESIDENT
TECHNICAL

FINANCIAL EXPR
READ

पुण्य नगरी

जाहीर निवेदन

आम्हाला कळविण्यास आनंद होतो की "पर्यावरण, वने व हवामान बदल मंत्रालय'; भारत सरकार [राज्य पर्यावरण आघात मूल्यांकन प्राधिकरण (रापआमूप्रा), महाराष्ट्र, द्वारे जारी] यांच्या दि. १८.०५.२०२३ रोजीच्या पर्यावरणीय स्वीकृती पत्र. क्र EC23B021MH194305 द्वारे "मे. सिप्ला लिमिटेड" (युनीट २) यांच्या प्लॉट नं. डी २७, एम. आय. डी. सी. कुरकुंभ, तालुका दौंड, जिल्हा पुणे, महाराष्ट्र राज्य येथील विस्तारीत बल्क ड्रग्ज आणि इंटरमिडीएट्स मॅन्युफॅक्चरिंग प्रकल्पास 'पर्यावरण स्वीकृती' मिळाली आहे. संबंधित पर्यावरण स्वीकृती कागदपत्रांच्या प्रती महाराष्ट्र राज्य प्रदुषण नियंत्रण मंडळ, प्रकल्प संकेतस्थळ आणि पर्यावरण, वने व हवामान बदल मंत्रालय, नवी दिल्ली यांच्या खालील संकेतस्थळावर उपलब्ध आहेत.

http://parivesh.nic.in

मे. सिप्ला लिमिटेड
(युनीट २) करीता,
एम. आय. डी. सी. कुरकुंभ,
तालुका - दौंड, जिल्हा- पुणे
उपाध्यक्ष तांत्रिक

Pune Edition
Jun 17, 2023 Page No. 06
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