



BENZO CHEM INDUSTRIES PRIVATE LIMITED

Works : B-26, 27 & 14, 15 M.I.D.C. Area,
DASARKHED, MALKAPUR - 443 101.
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Corporate Identity No. U24100MH1986PTC041751
E-mail : info@benzochem.co.in, Website : www.bcipl.com

29.11.2025

To,
Regional Directorate
Central Pollution Control Board
Survey No. 110, Dhankude Multi-Purpose Hall,
Baner Road, Baner,
Pune - 411045

Subject: Submission of 10th half yearly compliance report for Benzo Chem Industries. Pvt. Ltd. at Plot No. B-26, 27 & B-14, 15, Malkapur MIDC Dasarkhed, Taluka- Malkapur, District Buldhana Maharashtra – Tenth progress/Status Report EC Compliance-Reg.

Ref: Environmental Clearance letter no. F.No. IA-J-11011/175/2019-IA-II(I) dated November 10, 2020 granted by Expert Appraisal Committee, MoEF & CC, Delhi Govt of India.

Dear Sir,

We have received the environmental clearance from the Expert Appraisal Committee (EAC), MoEF & CC, Delhi Govt. of India

As per the requirement, we are submitting herewith the 10th half-yearly EC Compliance report of the said project for the period of April 2025 to September 2025.

We are also attaching herewith the acknowledgment copy of the submission of EC Compliance to the Parivesh Portal of MoEFCC, for your reference.

With this reference we wish to submit the details required as below:

1. Pointwise compliance to stipulations as laid down by the ministry.
2. Point wise compliance of the standard EC compliance conditions.
3. Other documents viz. EC letter, Consent to Operate, Form IV, Form V & Environment Monitoring Report, etc. which are attached as annexures.

We hope you will find the same in line with your requirements.

Thanking You,

For Benzo Chem Industries Pvt. Ltd.


Authorized Signatory



[An ISO 9001 : 2015, ISO 14001 : 2015, ISO 45001 : 2018 Certified]

Your (Half Yearly Compliance Report) has been Submitted with following details

Proposal No	IA/MH/IND2/103300/2019
Compliance ID	709734978
Compliance Number(For Tracking)	EC/M/COMPLIANCE/709734978/2025
Reporting Year	2025
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	29-11-2025
RO/SRO Name	Shri Senthil Kumar Sampath
RO/SRO Email	agmu156@ifs.nic.in
State	MAHARASHTRA
RO/SRO Office Address	Integrated Regional Offices, Nagpur

Note:- SMS and E-Mail has been sent to Shri Senthil Kumar Sampath, MAHARASHTRA with Notification to Project Proponent.



F.No.IA-J-11011/175/2019-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

By Speed Post/Online

Indira Paryavaran Bhawan
 Jorbagh Road, New Delhi - 110003

Dated: 10th November, 2020

To

M/s Benzo Chem Industries Pvt. Ltd.
 Plot No. B-26,27 & B-14,15
 Malkapur MIDC, Dasarkhed
 District: Buldhana, Maharashtra-443 101

Email: zope@benzochem.co.in

Sub: Expansion of Pharmaceuticals, Speciality and Agrochemical intermediates manufacturing from 58 TPM to 230 TPM at Plot No. B-26,27 & B-14,15, Malkapur MIDC, Dasarkhed, Taluka Malkapur, District Buldhana, Maharashtra by M/s Benzo Chem Industries Pvt. Ltd. -Environmental Clearance - reg.

Sir,

This has reference to your proposal No.IA/MH/IND2/103300/2019 dated 10th June 2020, submitting the EIA/EMP report on the above subject matter.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for Expansion of Pharmaceuticals, Speciality and Agrochemical intermediates manufacturing from 58 TPM to 230 TPM by M/s Benzo Chem Industries Pvt. Ltd. in an area of 33350 sqm located at Plot No. B-26, 27 & B-14,15, Malkapur MIDC, Dasarkhed, Taluka Malkapur, District Buldhana, Maharashtra.

3. The details of products and capacity are as under:

S. No.	Product	Existing (TPM)	Proposed (TPM)	Total (TPM)
1	<u>Agrochemical Intermediate:</u> Existing: (i). 2,5 Di Methyl Phenyl Acetyl Chloride, (ii). 2,4 Di Chloro Benzaldehyde, (iii). Ortho Chloro Phenyl Acetic Acid, (iv). 2,4,6 Tri Methyl Phenyl Acetyl Chloride, (v). Para Chloro Phenyl Acetic Acid, (vi). 2,4 Di Chloro Phenyl Acetic Acid, (vii). Para Chloro Benzyl Cyanide, (viii). 2,4 Di Chloro Phenyl Acetyl Chloride, (ix). Para Chloro Benzo Tri Chloride, (x). Para Chloro Benzyl Chloride, (xi). Ortho Methyl Benzyl Chloride, (xii). 2,5 Di Methyl Phenyl Acetic Acid	35	102	137

	<p>Proposed:</p> <ul style="list-style-type: none"> (i). Isopropyl (4-Chlorophenyl) acetyl chloride (CPIC), (ii). 1-Naphthyl Acetonitrile, (iii). $\alpha,\alpha,\alpha',\alpha'$ Tetra Chloro Ortho Xylene (iv). Para Chloro α-isopropyl Phenyl Acetic Acid (CPIA) (v). Para Chloro Benzyl Cyanide 75% Solution in N-Butyl Acetate, 	---		
2	<p>Pharmaceutical Intermediates:</p> <p>Existing:</p> <ul style="list-style-type: none"> (i). Para Chloro Benzaldehyde, (ii). Meta Chloro Benzyl Chloride; (iii). Meta Chloro Benzyl Cyanide, (iv). Meta Chloro Phenyl Acetic Acid, (v). Meta Chloro Benzaldehyde, (vi). 2,4 Di Chloro Benzyl Cyanide; (vii). 2,4 Di Chloro Benzyl Chloride, (viii). Ortho Methyl Benzyl Cyanide, (ix). Ortho Methyl Phenyl Acetic Acid, (x). Ortho Chloro Benzyl Chloride, (xi). Ortho Chloro Benzyl Cyanide, (xii). Ortho Chloro Benzaldehyde, (xiii). Methyl 2-Chloro Phenyl Acetate 	20	60	80
	<p>Proposed:</p> <ul style="list-style-type: none"> (i). 2-Phenyl Acetyl Chloride, (ii). 2-Bromo Benzyl Cyanide, (iii). 4-Bromo Benzyl Cyanide (iv). 3,4 Di Chloro Benzyl Cyanide (v). Para Methyl Benzyl Chloride (vi). Para Methyl Benzyl Cyanide (vii). Para Methyl Phenyl Acetic Acid 	---		
3	<p>Speciality Chemical Intermediate:</p> <p>Existing:</p> <ul style="list-style-type: none"> (i). Benzaldehyde 2,4 Di Sulphonic Acid Di Sodium Salt (Powder), (ii). Benzaldehyde 2,4 Di Sulphonic Acid Di Sodium Salt (Liquid), (iii). Benzaldehyde Ortho Sulphonic Acid Sodium Salt 	3	10	13

	Proposed: (i). Ortho Anisoyl Chloride 75% Solution in Ethylene Dichloride, (ii). αα Di Chloro Para Xylene, (iii). Para Hydroxy Benzaldehyde			
	Total	58	172	230

4. The existing land area is 33350 sqm, which will cater to the proposed expansion. Industry has developed greenbelt in an area of 3340 sqm and will develop greenbelt area of 7679 sqm, totaling to 11019 sqm, covering 33% of total project area. The estimated project cost is Rs. 28.22 crores including existing investment of Rs. 16.22 crores. Total capital cost earmarked towards environmental pollution control measures is Rs. 5.35 crore and the recurring cost (operation and maintenance) will be about Rs. 1.09 crore per annum. The project will lead to employment for 242 persons after expansion. Industry proposes to allocate Rs. 12 lakhs towards Corporate Environmental Responsibility (CER).

5. There are nonational parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km from the project site. Purna river flows at a distance of 4.24 km in North direction.

6. Total water requirement is estimated to be 424.9 cum/day, which includes fresh water requirement of 220.9 cum/day, proposed to be met from Malkapur MIDC water supply. Effluent of 69.7 cum/day will be treated through ETP, MEE, Stripper & RO; 64 cum/day will be reused. There will be no discharge of treated/untreated waste water from the unit, and thus ensuring Zero Liquid Discharge.

Power requirement after expansion will be 1000 KVA and will be met from Maharashtra State Electricity Distribution Company Limited (MSEDCL). Existing unit has 1 DG set of 380 KVA capacity which will be replaced & DG set of 1000 KVA will be set up and to be used as standby during power failure after expansion. Stack of height 7.0 m will be provided as per CPCB norms to the proposed DG sets.

Existing unit has 6 TPH Coal/Agro waste fired boiler & 6 Lakh Kilo Calorie/Hr Thermic Fluid Heater. Additionally, 10 TPH Coal/Agro waste fired boiler & 6 Lakh Kilo Calorie/Hr Coal/Agro waste fired & 2 Lakh Kilo Calorie/Hr LSHS fired Thermic Fluid Heaters will be installed. Multi cyclone separator & bag filter with a stack of height of 30.5 m will be installed for controlling the particulate emissions within the statutory limit of 115 mg/Nm³ for the boilers & Stack of 11 m height will be provided along with Bag filter & Oil/air pre heater to maintain emission concentrations within the statutory limit of 150 mg/Nm³ for the thermic fluid heaters.

Gases and vapors from manufacturing process are identified source of emission, which will be passed through scrubbers (HCL/Cl₂ & Ammonia). Additionally, one scrubber (HBr) will be installed to mitigate the process emissions from expansion activity. The scrubbed gases from manufacturing process will be released through 3 stacks each with 12 m height.

7. The project/activities are covered under category A of item 5(b) 'Pesticides industry and Pesticide specific intermediates' and item 5(f) 'Synthetic organic chemicals industry' of the

Schedule to the Environment Impact Assessment Notification, 2006, and requires appraisal at central level by the sectoral Expert Appraisal Committee (EAC) in the Ministry.

8. Standard Terms of References (ToR) was issued by the Ministry vide letter dated 18th June, 2019. Public hearing is exempted as the project site is located in the notified Industrial area. It is reported by the project proponent that no litigation is pending against the proposal.

9. The proposal was considered by the Expert Appraisal Committee (Industry-2) in its meetings held on 14-16 July, 2020 and 15-17 September, 2020 in the Ministry, wherein the project proponent and their accredited consultant M/s Sadekar Enviro Engineers Pvt Ltd presented the EIA/EMP report as per the ToR. The Committee found the EIA/EMP report complying with the ToR and recommended the project for grant of environmental clearance.

10. The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the proposal submitted by the Project Proponent in desired form along with EIA/EMP report prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.

The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP report. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

The Committee noted that the EIA/EMP report is in compliance of the ToR issued for the project, reflecting the present environmental concerns and the projected scenario for all the environmental components. The Committee has found the baseline data and incremental GLC due to the proposed project within NAAQ standards. The Committee has also deliberated on the CER plan and found to be addressing the issues in the study area. The Committee has suggested that the storage of toxic/explosive raw material shall be bare minimum in quantity and inventory. The Committee has considered the opinion of Institute of Chemical Technology, Mumbai that the intermediates of API and agrochemical can be produced at the same site. The Committee has found the additional information submitted by the project proponent to be satisfactory and addressing the issues raised by the Committee.

The EAC has deliberated the proposal and has made due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC have found the proposal in order and have recommended for grant of environmental clearance.

11. The environmental clearance granted to the project/activity is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/construe to approvals/consent/ permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

12. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate change hereby accords environmental clearance to the project for **Expansion of Pharmaceuticals, Speciality and Agrochemical intermediates manufacturing from 58 TPM to 230 TPM by M/s Benzo Chem Industries Pvt. Ltd. at Plot No. B-26,27 & B-14,15, Malkapur MIDC, Dasarkhed, Taluka Malkapur, District Buldhana, Maharashtra**, under the provisions of the EIA Notification, 2006, subject to the compliance of terms and conditions as under:-

- (i) The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
- (ii) As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises. Treated effluent shall be reused in the process/utilities. Treated Industrial effluent shall not be used for gardening/greenbelt development/horticulture.
- (iii) Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
- (iv) The storage of toxic/explosive raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.
- (v) Implementation of outcome of Process safety and risk assessment studies which carried out by using advanced models, and the mitigating measures shall be undertaken/implemented accordingly.
- (vi) Occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.
- (vii) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.
- (viii) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.
- (ix) Solvent management shall be carried out as follows: (a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (c) Solvents shall be stored in a separate space specified with all safety measures. (d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (e) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.
- (x) Volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.99% with effective chillers/modern technology.

- (xi) Total fresh water requirement shall not exceed 220.9 cum/day proposed to be met from Malkapur MIDC water supply. Necessary permission in this regard shall be obtained from the concerned regulatory authority.
- (xii) Storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water in the premises and harvested water shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water.
- (xiii) 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 vapour recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.
- (xiv) The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map.
- (xv) As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent to address the socio-economic and environmental issues in the study area, the project proponent shall provide RO drinking water facility, infrastructure and educational assistance to the schools in Malkapur, Bhalegaon and Wiwara villages. The action plan shall be completed within three years as proposed.
- (xvi) A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.

12.1 The grant of environmental clearance is further subject to compliance of other general conditions as under:-

- (i) No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. 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/SEIAA to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- (ii) The energy source for lighting purpose shall be preferably LED based, or advance having preference in energy conservation and environment betterment.
- (iii) The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.
- (iv) The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.

- (v) 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 Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- (vi) The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and to utilize the same for process requirements.
- (vii) 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.
- (viii) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented.
- (ix) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- (x) A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- (xi) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
- (xii) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
- (xiii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
- (xiv) The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
- (xv) 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 and at

<https://parivesh.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.

- (xvi) 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.
- (xvii) This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

13. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

14. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

15. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

16. The above conditions shall be enforced, *inter-alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

17. This issues with approval of the competent authority.

(डा. आर. बी. लाल)
(Dr. R. B. Lal)
पर्यावरण, वन्यजीव संरक्षण, जलवायु परिवर्तन, प्रदूषण नियंत्रण विभाग
Min. of Environment, Forest and Climate Change
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi

10/11/2020

Scientist 'E'/Additional Director

Copy to: -

1. The Deputy DGF (C), MoEF&CC Regional Office(WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Line, Nagpur - 1
2. The Secretary, Environment Department, Government of Maharashtra, 15th Floor, New Administrative Building, Mantralaya, Mumbai - 32
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
4. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th

Floor, Opp. Cine Planet, Sion Circle, Mumbai - 22

5. The District Collector, District Buldhana (Maharashtra)
6. Guard File/Monitoring File/Website/Record File



(Dr. R. B. Lal)
Scientist 'E'/Additional Director
Tele-fax: 011-24695362
Email-rb.lal@nic.in

Point-wise compliance to the environmental clearance conditions given in the F. No

. IA-J-11011/175/2019-IA-II(I) dated November 10, 2020

Sr.No.	EC condition	Compliance
EC conditions		
(i)	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	We hereby reaffirm our commitment to full compliance with all environmental protection measures and safeguards as detailed in the documents submitted to the Ministry. All recommendations outlined in the EIA and EMP, including those related to environmental management and risk mitigation, will be implemented with the highest level of diligence and responsibility
(ii)	As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises. Treated effluent shall be reused in the process/utilities. Treated Industrial effluent shall not be used for gardening/greenbelt development/horticulture.	<p>The high COD and high TDS effluent generated from the manufacturing process (36.8 CMD) and domestic sources (10 CMD) undergoes a comprehensive treatment process. This includes a stripper, Agitated Thin Film Dryer (ATFD), and a two-stage Reverse Osmosis (RO) system of 100 CMD capacity, following pre-primary, primary, and secondary treatment in the Effluent Treatment Plant (ETP). Additionally, blowdown from the boiler and cooling tower (22.9 CMD) is treated through neutralization followed by RO treatment.</p> <p>The treated effluent from the ETP is further polished using the two-stage RO system, with the permeate recycled as cooling tower make-up water and the RO reject directed to a 100 CMD capacity Multiple Effect Evaporator (MEE). This closed-loop system ensures complete effluent recycling, thereby achieving Zero Liquid Discharge (ZLD) at the project site.</p> <p>Photographs of the ETP/ZLD system was submitted as an annexure in the previous Six-Monthly EC Compliance Report for the period April 2024 to September 2024</p>
s(iii)	Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision	Currently, production stands at approximately 135 to 140 MT/M, which is around 60% of the total consented production capacity of 230 MT/M as per the Consent to Operate (CTO), with some trial runs still ongoing. Benzochem has implemented a continuous online (24x7) monitoring system for stack emissions, enabling real-time measurement of flue gas discharge and pollutant concentrations,

	capability and flow meters in the channel/drain carrying effluent within the premises..	<p>with data being transmitted to the Central Pollution Control Board (CPCB) and Maharashtra Pollution Control Board (MPCB) servers. Additionally, for continuous effluent monitoring, a web camera with night vision capability and flow meters have been installed at the effluent discharge channels within the premises. These systems will be fully connected to the CPCB and MPCB servers once production scales up to 100%. Photographs of the continuous online monitoring systems has been already submitted as an Annexure is previous six monthly EC compliance for the period October 2024 to March 2025.</p> <p>Production commenced up to 60 % till date.</p> <p>Our OCMS system AMC is in renewal process. The previous photograph of OCMS facility is enclosed as an Annexure-I</p>
(iv)	The storage of toxic/explosive raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.	<p>The storage of toxic and explosive raw materials is strictly limited to the minimum required quantities and durations, in adherence to safety protocols and regulatory standards. Comprehensive details regarding the quantities stored and their respective storage durations have been submitted to the Regional Office of the Ministry and the State Pollution Control Board (SPCB) as part of the compliance documentation.</p> <p>All the above-mentioned measures have been effectively implemented and are being consistently followed at the project site to ensure ongoing safety and compliance</p>
(v)	Implementation of outcome of Process safety and risk assessment studies which carried out by using advanced models, and the mitigating measures shall be undertaken/implemented accordingly.	<p>At present, production is operating at 37% of the total approved capacity, i.e., 85 MT/month, against the consented capacity of 230 MT/month. The findings from comprehensive process safety and risk assessment studies—conducted using advanced modeling and simulation tools—will be translated into targeted mitigation strategies. These measures will be systematically implemented in alignment with the commencement of full-scale production operations.</p>
(vi)	Occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.	<p>Currently, production operations are not running at full capacity. While the Consent to Operate (CTO) permits a production capacity of 230 MT/month, the current operational output is approximately 85 to 90 MT/month.</p> <p>An on-site Occupational Health Centre has been established to monitor and promote the well-being of workers. Health data collected through regular assessments is being utilized to assign duties in accordance with individual health profiles. All</p>

		<p>employees and workers are provided with the necessary Personal Protective Equipment (PPE), including safety kits and masks, and these protective measures are being actively enforced. Photographs of the Occupational Health Centre were previously submitted as part of the EC compliance report for the period October 2023 to March 2024, uploaded on the Parivesh portal on 23.05.2024.</p> <p>To enhance workplace safety, the industry has implemented a range of robust safety measures. These include the installation of Ammonia and Chlorine Detectors, Automatic Fire Sprinklers, a Fire Hydrant System with Control Panel, Fire Extinguishers, and Foam Nozzles in the solvent storage area. Additional safety systems such as a Water Sprinkler System, Smoke Detectors, Flame Arresters on storage tanks, an Emergency Siren, and a Wind Sock have also been deployed. For confined space operations, Self-Contained Breathing Apparatus (SCBA) units are made available to ensure worker safety.</p> <p>Photographs of several of these safety installations was included in the aforementioned EC compliance report submitted via the Parivesh portal.</p>
vii)	<p>Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.</p>	<p>Regular training programs are conducted to educate all employees on safety and health practices related to chemical handling. In addition to standard safety training, advanced Virtual Reality (VR) modules are employed to enhance awareness and reinforce safe handling procedures across all stages of operation. A record of the safety training sessions is enclosed as Annexure-II.</p> <p>A comprehensive safety audit has also been conducted, and the corresponding Safety Report was submitted in previous six monthly EC Compliance for the period October 2024 to March 2025.</p> <p>To ensure readiness for emergency situations, mock drills are conducted on a quarterly basis. The most recent mock drill was carried out on 30.09.2025, and its details are provided in Annexure-III.</p>
(viii)	<p>The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.</p>	<p>Adequate provisions have been made to mitigate potential fire hazards associated with manufacturing processes and material handling activities. The fire-fighting system has been installed in accordance with applicable safety regulations and standards. Although the plant is</p>

		<p>currently not operating at full production capacity, the facility is already equipped with a comprehensive suite of fire safety measures, including:</p> <ul style="list-style-type: none"> Automatic Fire Sprinklers Fire Hydrant System with Control Panel Fire Extinguisher Stands and Foam Nozzles at the Solvent Storage Tank Area Water Sprinkler System and Smoke Detectors Flame Arresters installed on Storage Tanks <p>Photographic documentation of several of these fire safety installations was previously submitted as part of the Environmental Clearance (EC) Compliance Report for the period October 2023 to March 2024, uploaded to the Parivesh portal on 23.05.2024</p>
(ix)	<p>Solvent management shall be carried out as follows: (a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (c) Solvents shall be stored in a separate space specified with all safety measures. (d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (e) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.</p>	<p>Solvent recovery plant has not been installed as all the solvents are being recycled and being reused in the process itself.</p> <p>Solvent management is being carried out as follows:</p> <ul style="list-style-type: none"> Points a & b are not applicable (c) Solvents are being stored in a separate space specified with all safety measures. (d) Proper earthing is being provided in all the electrical equipment wherever solvent handling is done. (e) Entire plant is flame proof. The solvent storage tanks have been provided with breather valve to prevent losses <p>All the above measures are being implemented .</p>
(x)	<p>Volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.99% with effective chillers/modern technology.</p>	<p>At present, production is operating at approximately 37% of the total consented capacity of 230 MT/M, with actual output ranging between 85 to 90 MT/M. Volatile Organic Compounds (VOCs) and fugitive emissions are being effectively controlled, achieving a mitigation efficiency of 99.99% through the use of advanced chillers and modern emission control technologies. All the above measures are actively being implemented as part of the ongoing environmental and safety management practices.</p>

(xi)	<p>Total fresh water requirement shall not exceed 220.9 cum/day proposed to be met from Malkapur MIDC water supply. Necessary permission in this regard shall be obtained from the concerned regulatory authority.</p>	<p>Total fresh water requirement does not exceed 220.9 cum/day proposed to be met from Malkapur. MIDC water supply. Necessary permission in this regard has been obtained from the MIDC and has been already submitted in previous EC compliance report for the period October 2022 to March 2023. The water bill of MIDC for the period April 2025 to September 2025 are enclosed as an Annexure-IV.</p>
(xii)	<p>Storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water in the premises and harvested water shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water.</p>	<p>Storm water from rooftop areas is being systematically directed through a dedicated pipeline network to a storage tank constructed on-site for the purpose of rainwater harvesting. The collected rainwater is intended for use in various industrial processes within the facility. As per regulatory requirements, no groundwater recharge activities are conducted on the premises. To eliminate any risk of cross-contamination, process effluents or wastewater are strictly prohibited from entering the storm water system. A separate and exclusive drainage infrastructure has been developed for effective storm water management.</p> <p>Photographs of the storm water drainage system and the dedicated storm water drain has been submitted as part of the Environment Clearance (EC) Compliance Report for the period October 2023 to March 2024, which was uploaded on the Parivesh portal on 23.05.2024.</p>
(xiii)	<p>The company shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of byproducts 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 vapour recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.</p>	<p>At present production is on 37% of the total production capacity which is. 230 MT /M as per CTO but presently we are taking production 85 to 90 MT/M.</p> <p>Not applicable as all the waste is disposed off to the CHWTSDF.</p>

(xiv)	<p>The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map.</p>	<p>A total of 410 trees have been planted during the period from April - 2025 to September -2025 with survival rate of 89%. The photographs of greenbelt are enclosed as an Annexure-V. Records of tree canopy will be monitored through remote sensing map and submitted in the next six monthly compliance report. This study to be carried by expert agency.</p>
(xv)	<p>As per the Ministry's OM dated 30.09.2020 The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map.</p>	<p>A total of 410 trees have been planted during the period from April - 2025 to September -2025 with survival rate of 89%. The photographs of greenbelt are enclosed as an Annexure-V. Records of tree canopy will be monitored through remote sensing map and submitted in the next six monthly compliance report. This study to be carried by expert agency.</p>
(xvi)	<p>Superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent to address the socio-economic and environmental issues in the study area, the project proponent shall provide RO drinking water facility, infrastructure and educational assistance to the schools in Malkapur, Bhalegaon and Wiwara villages. The action plan shall be completed within three years as proposed</p>	<p>As per the Office Memorandum (OM) dated May 1, 2018, issued by the Ministry of Environment, Forest and Climate Change (MoEFCC) concerning Corporate Environmental Responsibility (CER), we have successfully completed the CER activities outlined in our action plan to address the socio-economic and environmental issues in the study area. The photographs and acknowledgments of the completed CER activities were submitted as an annexure in our previous EC compliance report for the period from October 2023 to March 2024. This report was uploaded on the PARIVESH portal on May 23, 2024.</p>
(xvii)	<p>A separate Environmental Management Cell (having qualified person with Environmental Science/Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.</p>	<p>A separate Environmental Management Cell has been established with relevant qualified staff. The organogram of the Environmental Management Cell (EMC) has been enclosed as Annexure –VI. The capital cost for Environment Management Plan spent is 34.90 lakhs for April 2025 to September 2025 And recurring budget for the same is 121.69 lacs. The details of expenditures are enclosed as an Annexure-VII.</p>
<p>12.1 Other general conditions</p>		
(i)	<p>No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of</p>	<p>Note and agreed</p>

	deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	
(ii)	The energy source for lighting purpose shall be preferably LED based, or advance having preference in energy conservation and environment betterment.	LED-based lighting has been adopted as the energy source for illumination, in line with efforts to conserve energy and promote environmental sustainability. The photograph of LED installation was previously submitted with the earlier report."
(iii)	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	<p>The ambient air quality monitoring was conducted at 4 locations including the project site. The ambient air quality monitoring carried out at project site, Ghodasgaon village, Talaswada village & Dharangaon village. The results for the primary pollutants are as under:</p> <p>PM₁₀ varied from 56.74 microgram/m³ (Dharangaon village) to 66.53 microgram /m³ at Project site.</p> <p>PM_{2.5} varied from 23.47 microgram/m³ (Talaswada village) to 30.54 microgram /m³ at Project site.</p> <p>SO₂ varied from 10.78 microgram/m³ (Dharangaon Village) to 23.41 microgram /m³ at project site.</p> <p>NO_x varied from 17.98 microgram/m³ (Talaswada village) to 34.05 microgram/m³ at project site.</p> <p>All the parameters were found to be within the respective NAAQS 2009 limits. The ambient air quality monitoring reports are enclosed as Annexure-VIII.</p>
(iv)	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 shall be followed.	<p>The ambient air quality monitoring was conducted at 4 locations including the project site. The ambient air quality monitoring carried out at project site, Ghodasgaon village, Talaswada village & Dharangaon village. The results for the primary pollutants are as under:</p> <p>PM₁₀ varied from 56.74 microgram/m³ (Dharangaon village) to 66.53 microgram /m³ at Project site.</p> <p>PM_{2.5} varied from 23.47 microgram/m³ (Talaswada village) to 30.54 microgram /m³ at Project site.</p>

		<p>SO₂ varied from 10.78 microgram/m³ (Dharangaon Village) to 23.41 microgram /m³ at project site.</p> <p>NO_x varied from 17.98 microgram/m³ (Talaswada village) to 34.05 microgram/m³ at project site.</p> <p>All the parameters were found to be within the respective NAAQS 2009 limits. The ambient air quality monitoring reports are enclosed as Annexure-VIII.</p>
(v)	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 Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	The ambient noise levels have been monitored during the day and the night time near main gate, near ETP and near main stores in the factory premises. The noise levels ranged from 63.6(A) (Near ETP) to 55.9 dB(A) (Near Main gate) during the daytime and from 56.1 dB(A) (Near ETP) to 54.8 dB(A) (Near Main gate) during the nighttime. The noise levels were found to be within the standards promulgated by CPCB. The noise monitoring reports are enclosed as Annexure-VIII .
(vi)	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and to utilize the same for process requirements.	A total area of 338 sq.m. has been designated for rainwater harvesting within the existing factory setup to support the associated facilities. Photograph of the rainwater harvesting system was submitted in the previous report.
(vii)	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 is being imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees is being undertaken and record is being maintained. The Form No. VII is enclosed as an Annexure-IX .
(viii)	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented.	<p>In accordance with the Office Memorandum (OM) dated May 1, 2018, issued by the MoEFCC regarding Corporate Environmental Responsibility (CER), we have successfully implemented the CER activities as outlined in our approved action plan, addressing the identified socio-economic and environmental concerns within the study area.</p> <p>Photographic evidence and acknowledgments of the completed CER initiatives were included as an annexure in our previous EC compliance report for the period October 2023 to March 2024, which was uploaded to the PARIVESH portal on May 23, 2024.</p>
ix)	The company shall undertake eco-developmental measures including	In accordance with the Office Memorandum (OM) dated May 1, 2018, issued by the MoEFCC

	community welfare measures in the project area for the overall improvement of the environment.	regarding Corporate Environmental Responsibility (CER), we have successfully implemented the CER activities as outlined in our approved action plan, addressing the identified socio-economic and environmental concerns within the study area. Photographic evidence and acknowledgments of the completed CER initiatives were included as an annexure in our previous EC compliance report for the period October 2023 to March 2024, which was uploaded to the PARIVESH portal on May 23, 2024.
(x)	A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions	A separate Environmental Management Cell has been established with relevant qualified staff. The organogram of the Environmental Management Cell (EMC) has been enclosed as Annexure –VI .
(xi)	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose	Total capital cost earmarked for environmental management plans is Rs.5.35 Cr. The capital cost for Environment Management Plan spent is 34.90 lakhs for the period April 2025 to September 2025. And recurring budget for the same is 121.69 lacs. The details of expenditures are enclosed as an Annexure-VII .
(xii)	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal	The copy of the clearance letter was not sent to the concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, as no suggestions/ representations, were received while processing the proposal.
(xiii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	We have submitted the 9 th six monthly EC compliance to the Parivesh Portal of MoEF on June 06 ,2025 for the period from October 2024 to March 2025. Likewise, we have submitted the aforesaid EC compliance to the Regional Directorate of CPCB at Pune, concerned office of SRO MPCB and the R.O MPCB via emails. The acknowledgement of submission on Parivesh portal is enclosed as Annexure-X .
(xiv)	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as	The Environmental Statement for the existing facility for the financial year ending 31st March 2025 was duly submitted on 28th September 2025.

	prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	A copy of the submitted Environmental Statement is enclosed herewith as Annexure-XI .
(xv)	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 and at https://parivesh.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.	We inadvertently missed out to publish granting of environmental clearance in two local newspapers and we regret the same.
(xvi)	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.	Noted and agreed.
(xvii)	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Noted and agreed.
13)	The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.	Noted and agreed.
14)	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.	Noted and agreed .
15)	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010	Noted and agreed.

16)	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	The PLI copy for the existing facility is enclosed as Annexure-XII .
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Point wise compliance of the standard EC compliance conditions stipulated for the synthetic organic chemicals vide MoEF & CC's Office Memorandum dated 9th August 2018

I	Statutory compliance	Compliance
i)	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	Not applicable as not forest land involved in the project site
ii)	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not applicable
iii)	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-1 species in the study area)	Not applicable as no schedule -1 species were reported in the study area.
iv)	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee	We have received Consent to Operate, CTO vide document no. Format1.0 /CC / UAN No -MPCB CONSENT 0000145878/CO/2304000668 dated 12/04/2023. The same is enclosed as Annexure-XIII .
v)	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.	We have an agreement with Maharashtra Enviro Power Limited for hazardous & other waste treatment and disposal which is valid up

		to 22/07/2029 The same is enclosed as Annexure-XIV.
vi)	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989	We are strictly complying with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals will be as per the Motor Vehicle Act (MVA), 1989. The Annual Return in Form IV is being regularly submitted to MPCB online. The Annual Form IV for Year 2024-25 is enclosed as an Annexure-XV.
II	Air quality monitoring and preservation	
i)	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	We have installed 24x7 continuous emission monitoring system at boiler stack to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. It will be connected to the MPCB and CPCB servers as and when the production commences on full flashed basis. Production commenced up to 60%
ii)	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986	The fugitive emissions have been monitored. The snapshot of the results is given below: SPM = 0.65 mg/m ³ SO ₂ = 0.005 mg/ m ³ NO _x = 0.010mg/m ³ Methanol: less than 0.025 ppm Toluene: less than 0.001 ppm Xylene: less than 0.001 ppm The results of fugitive emissions are enclosed as Annexure-VIII.
iii)	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO ₂ and NO _x in reference to SO ₂ and NO _x emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120 each), covering upwind and downwind directions.	The ambient air quality monitoring was conducted at 4 locations including the project site. The ambient air quality monitoring carried out at project site, Ghodasgaon village, Talaswada village & Dharangaon village. The results for the primary pollutants are as under: PM ₁₀ varied from 56.74 microgram/m ³ (Dharangaon village) to 66.53 microgram /m ³ at Project site.

		<p>PM_{2.5} varied from 23.47 microgram/m³ (Talaswada village) to 30.54 microgram /m³ at Project site.</p> <p>SO₂ varied from 10.78 microgram/m³ (Dharangaon Village) to 23.41 microgram /m³ at project site.</p> <p>NO_x varied from 17.98 microgram/m³ (Talaswada village) to 34.05 microgram/m³ at project site.</p> <p>All the parameters were found to be within the respective NAAQS 2009 limits. The ambient air quality monitoring reports are enclosed as Annexure-VIII.</p>
iv)	<p>To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.,</p>	<p>The proposed Air pollution control system includes: Multi cyclone separator& bag filter with a stack of height of 30.5 m. which has been installed for controlling the particulate emissions within the statutory limit of 115 mg/Nm³ for the boilers & Stack of 11 m height has been provided along with Bag filter& Oil/air pre heater to maintain emission concentrations within the statutory limit of 150 mg/Nm³ for the thermic fluid heaters. The results of fugitive emissions are:</p> <p>PM: 75.33 mg/Nm³ SO₂: 10.45 Kg/day NO_x: 26.33 mg/Nm³</p> <p>All the parameters were found to be within the CPCB guidelines on methodologies for source emission monitoring. The stack emissions monitoring reports are enclosed as Annexure-VIII.</p>
v)	<p>Storage of raw materials, coal etc. shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.</p>	<p>To control dust pollution and fugitive emissions, raw materials such as coal are stored in silos or covered storage areas. These facilities are specifically designed to prevent dust dispersion and reduce environmental impact. Additionally, a dedicated storage facility has been developed, along with a tank farm for the safe storage of bulk liquid raw materials. Photographic evidence of the raw material storage arrangements was included in the previous compliance report.</p>
vi)	<p>National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed</p>	<p>National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 are not applicable to us as we don't have onsite incinerator</p>

<p>vii)</p>	<p>The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with</p>	<p>The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 are being complied with scrupulously.</p> <p>The ambient air quality monitoring was conducted at 4 locations including the project site. The ambient air quality monitoring carried out at project site, Ghodasgaon village, Talaswada village & Dharangaon village. The results for the primary pollutants are as under:</p> <p>PM₁₀ varied from 56.74 microgram/m³ (Dharangaon village) to 66.53 microgram /m³ at Project site.</p> <p>PM_{2.5} varied from 23.47 microgram/m³ (Talaswada village) to 30.54 microgram /m³ at Project site.</p> <p>SO₂ varied from 10.78 microgram/m³ (Dharangaon Village) to 23.41 microgram /m³ at project site.</p> <p>NO_x varied from 17.98 microgram/m³ (Talaswada village) to 34.05 microgram/m³ at project site.</p> <p>All the parameters were found to be within the respective NAAQS 2009 limits. The ambient air quality monitoring reports are enclosed as Annexure-VIII.</p>
<p>III</p>	<p>Water quality monitoring and preservation</p>	
<p>i)</p>	<p>The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD)</p>	<p>The high COD and high TDS effluent generated from the manufacturing process (36.8 CMD) and domestic sources (10 CMD) undergoes a comprehensive treatment process. This includes a stripper, Agitated Thin Film Dryer (ATFD), and a two-stage Reverse Osmosis (RO) system of 100 CMD capacity, following pre-primary, primary, and secondary treatment in the Effluent Treatment Plant (ETP). Additionally, blowdown from the boiler and cooling tower (22.9 CMD) is treated through neutralization followed by RO treatment.</p> <p>The treated effluent from the ETP is further polished using the two-stage RO system, with the permeate recycled as cooling tower make-up water and the RO reject directed to a 100</p>

		<p>CMD capacity Multiple Effect Evaporator (MEE). This closed-loop system ensures complete effluent recycling, thereby achieving Zero Liquid Discharge (ZLD) at the project site.</p> <p>Photographs of the ETP/ZLD system was submitted as an annexure in the previous Six-Monthly EC Compliance Report for the period April 2024 to September 2024</p>
ii)	<p>As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).</p> <p>The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.</p>	<p>As already committed by the us, Zero Liquid Discharge will be ensured and no waste/treated water will be discharged outside the premises.</p> <p>ZLD have been implemented .</p>
iii)	<p>Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.</p>	<p>Total fresh water requirement does not exceed 220.9 cum/day proposed to be met from Malkapur.</p> <p>MIDC water supply. Necessary permission in this regard has been obtained from the MIDC and has been already submitted in previous EC compliance report for the period October 2022 to March 2023. The water bill of MIDC for the period April 2025 to September 2025 are enclosed as an Annexure-IV.</p>
iv)	<p>Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.</p>	<p>Process effluent and wastewater are strictly prohibited from mixing with storm water. To ensure compliance, storm water generated within the premises is collected and discharged through a dedicated, separate conveyance system. A photograph of the independent storm water drainage system was submitted as an annexure in the previous Environmental Clearance (EC) Compliance Report for the period of October 2023 to March 2024, which was uploaded to the PARIVESH portal on May 23, 2024</p>
v)	<p>The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant</p>	<p>A total area of 338 sq.m. has been designated for rainwater harvesting within the existing factory setup to support the associated facilities. Photograph of the rainwater</p>

		harvesting system was submitted in the previous report.
vi)	The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.	The D.G sets has been provided with the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard. The Photograph of DG has been submitted in previous report.
IV	Noise monitoring and prevention	
i)	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Acoustic enclosure had been provided to DG set for controlling the noise pollution .
ii)	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 have been monitored during the day and the night time near main gate, near ETP and near main stores in the factory premises. The noise levels ranged from 63.6(A) (Near ETP) to 55.9 dB(A) (Near Main gate) during the daytime and from 56.1 dB(A) (Near ETP) to 54.8 dB(A) (Near Main gate) during the nighttime. The noise levels were found to be within the standards promulgated by CPCB. The noise monitoring reports are enclosed as Annexure-VIII . The Noise control measures like acoustic hoods, silencers, enclosures etc. provided on all sources of noise generation.
iii)	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time	The ambient noise levels have been monitored during the day and the night time near main gate, near ETP and near main stores in the factory premises. The noise levels ranged from 63.6(A) (Near ETP) to 55.9 dB(A) (Near Main gate) during the daytime and from 56.1 dB(A) (Near ETP) to 54.8 dB(A) (Near Main gate) during the nighttime. The noise levels were found to be within the standards promulgated by CPCB. The noise monitoring reports are enclosed as Annexure-VIII .
V.	Energy Conservation measures	
i)	The energy sources for lighting purposes shall preferably be LED based	The energy source for lighting purpose used is LED based for energy conservation and environment betterment.
VI	Waste management	
i)	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.	Hazardous chemicals are being stored in tanks, tank farms, drums, carboys etc. Flame arresters are being provided on tank farm and the solvent transfer through pumps.

ii)	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.	We are disposing off the process organic residue to the CHWTSDF for which we have agreement with MEPL Maharashtra Enviro Power Limited valid till 22/07/2029 and the same is enclosed as Annexure –XIV .
iii)	The company shall undertake waste minimization measures as below: -	
	Metering and control of quantities of active ingredients to minimize waste.	
	Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.	Not applicable as all the hazardous waste is being disposed off to CHWTSDF.
	Use of automated filling to minimize spillage.	
	Use of Close Feed system into batch reactors.	
	Venting equipment through vapour recovery system	
	Use of high pressure hoses for equipment clearing to reduce wastewater generation	
VII	Green Belt	
i)	The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department	A total of 410 trees have been planted during the period from April - 2025 to September - 2025 with survival rate of 89%. The photographs of greenbelt are enclosed as an Annexure-V . Records of tree canopy will be monitored through remote sensing map and submitted in the next six monthly compliance report. This study to be carried by expert agency.
VIII	Safety, Public hearing and Human health issues	
i)	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented	We have the Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan. The same is being updated

		<p>time to time. The Onsite Emergency plan has been submitted as an Annexure for previous EC Compliance report for the period October2023 to March 2024 which was submitted on Parivesh portal dated 23.05.2024. Safety audit conducted on 18.07.2025. The Safety report is enclosed as an Annexure- XVII.</p>
	<p>The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms</p>	<p>To mitigate potential fire hazards during the manufacturing process and material handling, we have implemented a comprehensive fire protection system in accordance with established safety norms. Although production is not yet operating at full capacity, the following firefighting measures have been installed at the existing facility:</p> <p>1. Automatic Fire Sprinklers: Installed throughout the facility to automatically suppress fires upon detection.</p> <p>2. Fire Hydrant System: Strategically placed hydrants for manual firefighting operations.</p> <p>3. Fire Hydrant System Panel: Centralized control panel for monitoring and managing the fire hydrant system.</p> <p>4. Fire Extinguisher Stand & Fire Hydrant Foam Nozzle: Located at the solvent storage tank area for immediate response.</p> <p>5. Water Sprinkler System & Smoke Detector: Integrated systems for early detection and suppression of fires.</p> <p>5. Flame Arrester Installed on Tank: Prevents the propagation of flames into storage tanks.</p> <p>Photographs of some of the above-mentioned facilities have been submitted as an annexure in the previous EC Compliance Report for the period from October 2023 to March 2024, which was uploaded on the PARIVESH portal on May 23, 2024.</p>
<p>ii)</p>	<p>The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.</p>	<p>Personal Protective Equipment (PPE) such as safety shoes, helmets, face shields, hand gloves, safety goggles, ear plugs, etc., are provided to all personnel engaged in various</p>

		operations. The use of PPE is strictly enforced in accordance with the provisions of the Factories Act..
iii)	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.	<p>All employees are provided with training on safety and health aspects related to chemical handling. Safety awareness programs, including training sessions, are conducted regularly to ensure safe handling of chemicals at every stage of operation. Records of safety training are enclosed as Annexure-II.</p> <p>Mock drills are conducted on a quarterly basis to assess emergency preparedness. The most recent mock drill was carried out on 30.09.2025, and the relevant documentation is enclosed as Annexure-III.</p> <p>Pre-employment and routine periodical medical examinations are conducted for all employees to monitor their health status. Records of these medical examinations are maintained, and Form No. VII is enclosed as Annexure-IX.</p>
iv)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Not applicable as the local labours were hired for the construction activity.
v)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act	An Occupational Health Centre (OHC) has been established to monitor and safeguard the health of all workers at the facility. Routine health check-ups for employees and workers are conducted regularly, and comprehensive health records are maintained in compliance with the provisions of the Factories Act, 1948. A photograph of the Occupational Health Centre has been submitted as an annexure in the previous EC Compliance Report for the period from October 2023 to March 2024, which was uploaded on the PARIVESH portal on May 23, 2024
vi)	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places	Adequate space has been designated within the plant premises for parking vehicles and storing finished products, ensuring that no parking occurs on public roads. This arrangement complies with local regulations that mandate off-street parking to prevent traffic congestion and ensure safety. Photographs of the parking area have been submitted as an annexure in the previous EC Compliance Report for the period

		from October 2023 to March 2024, which was uploaded on the PARIVESH portal on May 23, 2024..
IX)	Corporate Environment Responsibility	
i)	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.111 dated 1 st May 2018, as applicable, regarding Corporate Environment Responsibility.	As per the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the us to address the socio-economic and environmental issues in the study area we have successfully completed the CER activities. The photographs & acknowledgement of completed CER activities has been submitted as an Annexure for previous EC Compliance report for the period October2023 to March 2024 which was submitted on Parivesh portal dated 23.05.2024.
ii)	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF& CC as a part of six-monthly report	We have well laid down environmental policy duly approved by the Board of Directors which is enclosed as Annexure -XVI .
iii)	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization	An Environmental Cell has been established The organogram for the same has been enclosed as Annexure – VI .
iv)	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.	Noted and agreed.

v)	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Our company is already ISO -14000 certified. We are already carrying out environmental audit through external auditor every year for the existing facility. Third party environmental audit will be carried out every year for the expansion project. once the production commence on 100% basis.
X)	Miscellaneous	
i)	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	We inadvertently missed out to publish granting of environmental clearance in two local newspapers and we regret the same.
ii)	The copies of the environmental clearance shall be submitted by the project proponents to the x who in turn has to display the same for 30 days from the date of receipt	The copies of the environmental clearance have not been submitted by us to the local bodies and has been inadvertently missed out.
iii)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	We have uploaded the status of compliance of the stipulated environment clearance conditions, including results of monitored data on our website and the same will be updated. The weblink for the same is as under: https://bcipl.co.in/environment.html
iv)	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 are being complied with scrupulously. The ambient air quality monitoring was conducted at 4 locations including the project site. The ambient air quality monitoring carried out at project site, Ghodasgaon village, Talaswada village & Dharangaon village. The results for the primary pollutants are as under: PM ₁₀ varied from 56.74 microgram/m ³ (Dharangaon village) to 66.53 microgram /m ³ at Project site.

		<p>PM_{2.5} varied from 23.47 microgram/m³ (Talaswada village) to 30.54 microgram /m³ at Project site.</p> <p>SO₂ varied from 10.78 microgram/m³ (Dharangaon Village) to 23.41 microgram /m³ at project site.</p> <p>NO_x varied from 17.98 microgram/m³ (Talaswada village) to 34.05 microgram/m³ at project site.</p> <p>All the parameters were found to be within the respective NAAQS 2009 limits. The ambient air quality monitoring reports are enclosed as Annexure-VIII.</p> <p>The boiler stack emissions were monitored in the existing set up along with other stacks:</p> <p>The analysis results of the coal fired boiler stack as sample are given below:</p> <p>PM: 75.33 mg/Nm³ SO₂: 10.45 Kg/day NO_x: 26.33 mg/Nm³</p> <p>All the parameters were found to be within the CPCB guidelines on methodologies for source emission monitoring. The stack emissions monitoring reports are enclosed as Annexure-VIII.</p> <p>The Photograph of criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) and critical sectoral parameters, indicated for the projects are displayed at a convenient location i.e. near main gate for disclosure to the public. The photograph of criteria Pollutant Display is enclosed as an Annexure-XVIII.</p>
v)	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	<p>We have uploaded the status of compliance of the stipulated environment clearance conditions, including results of monitored data on our website and the same will be updated.</p> <p>The website for the same is as under: www.bcipl.co.in</p>
vi)	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended	<p>The Environmental statement for the existing facility has been submitted on 28th September 2024 for the FY ending 31st March 2024. The same is enclosed as Annexure-XI.</p> <p>We have uploaded form V on our website</p>

	subsequently and put on the website of the company.	
vii)	The project proponent 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, commencing the land development work and start of production operation by the project.	Noted and agreed.
viii)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government	Noted and agreed.
ix)	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Noted and agreed. We will abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during the presentation to the Expert Appraisal Committee.
x)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Noted and agreed.
xi)	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted and agreed
xii)	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted and agreed
xiii)	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted for information and agreed.
xiv)	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Noted and agreed
xv)	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention &Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986,	The valid public liability insurance policy for the existing facility is enclosed as Annexure-XII.

EC compliance - Benzochem Industries Pvt. Ltd. (April 2025 to September -2025)

	Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	
xvi)	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted for information.





BENZO CHEM INDUSTRIES PRIVATE LIMITED



B-26, 27 & 14,15, MIDC Area Dasarkhed, Tal: Malkapur, Dist: Buldhana
Pin Code: 443 101 Maharashtra (India)

01/04/19

Human Resource Department

TRAINING RECORD

Format No: HRD001/F05	Rev. No.: 01	Effective Date: 01/04/2019
Ref. SOP No.: HRD/SOP/001		Page No: 1 of 1

(To be updated after every training)

Training Need Identified Code:	Date of Traing: 27-04-2025
Title of Training Program : ERT Member Training	
Training Faculty: Mr Samir Bhondge	Period: From 2.00 PM to 5.00 PM

Training Record

Sr. No.	Card No.	Employee		Effectiveness Verification Remark (Please, tick (√) as applicable) (To be Verified by Training Faculty/ Concerned Department/ Section Head)				Verified By Sign	
		Name	Sign	Very Good	Good	Satisfactory	Not Satisfactory		
301	01	BE0113	Ramesh R. Sharma	[Sign]	✓	—	—	—	BR
	02		Shubham Kote	[Sign]	✓	—	—	—	BR
302	03		Manojkumar B. Patil	[Sign]	✓	—	—	—	BR
	04		Lalit M. Wagh	[Sign]	✓	—	—	—	BR
	05		Vinay V. Vaidya	[Sign]	✓	—	—	—	BR
	06	BE0182	Sagar B. Patil	[Sign]	✓	—	—	—	BR
	07	BM 111	Manohar Patil	[Sign]	✓	—	—	—	BR
	08		Ganesh N. Nandekar	[Sign]	✓	—	—	—	BR
	09	BM0031	Dinendra Deshpande	[Sign]	✓	—	—	—	BR
	10		Pravin S. Shelake	[Sign]	✓	—	—	—	BR
	11		D. R. Patil	[Sign]	✓	—	—	—	BR
	12		Vinod M. Telke	[Sign]	✓	—	—	—	BR
	13	BM0149	Raju Keshav Jangale	[Sign]	✓	—	—	—	BR
	14	BM0060	Sachin Chaudhari	[Sign]	✓	—	—	—	BR
315	15	BM0052	Gajanan S. Chaudhari	[Sign]	✓	—	—	—	BR
316	16	BM0136	Prafulla H. Agate	[Sign]	✓	—	—	—	BR
	17	BM0029	Pankaj A. Nandekar	[Sign]	✓	—	—	—	BR

Attendance enrolled by Sign: B. B. B. B.



BENZO CHEM INDUSTRIES PRIVATE LIMITED

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Title of Training Program : ERT Member Training.

Training Faculty: Mr Samir Bhdgale

Period: From 2.00 To 5.00 pm

Training Record

Sr. No.	Card No.	Employee		Effectiveness Verification Remark (Please, tick (✓) as applicable) (To be Verified by Training Faculty/ Concerned Department/ Section Head)				Verified By Sign
		Name	Sign	Very Good	Good	Satisfactory	Not Satisfactory	
18	138	S. D. K. Shirsalkar		✓	—	—	—	POB
19	139	K. B. Gonde		✓	—	—	—	POB
20	140	Sonar Shinde		✓	—	—	—	POB
21	141	D. S. Rane		✓	—	—	—	POB
22	19	V. M. Wasah		✓	—	—	—	POB
23								
24								

318
319
320

Attendance enrolled by Sign:

Handwritten notes at the bottom right corner.



BENZO CHEM INDUSTRIES PRIVATE LIMITED

B-26, 27 & 14,15, MIDC Area Dasarkhed, Tal: Malkapur, Dist: Buldhana
Pin Code: 443 101 Maharashtra (India)

Human Resource Department		
TRAINING EFFECTIVENESS VERIFICATION		
Format No: HRD001/F07	Rev. No.: 02	Effective Date: 01/04/2024
Ref. SOP No.: HRD/SOP/001		Page No: 1 of 2

(To be filled by every trainee after training)

Name of Trainee: <u>Lalit Mahadev Wagh</u>	Date of Training: <u>27/04/2025</u>
Designation: <u>Executive</u>	Dept./Section: <u>ETP/MEE</u> Card No.: <u>BM0109</u>
Title of Training : <u>ERT Members Training</u>	Training Faculty: <u>Shri V. R. Badhe</u>

Assignment

S.N.	Question	Answer	Total Marks	Marks Obtained
1	Who is ERT member?	1. Designated individual trained to respond to emergencies within an organization or community.	1	1
2	What is his responsibility?	1. Preparing for emergencies Responding during emergencies and participating in recovery efforts	1	1
3	What are types of Emergency?	1. Explosion 2. Chemical spills 3. Fire 4. Blister 5. Toxic release	1	1
4	What is ERT members responsibility if Solvent fire caught to drum?	1. Alerting other and Activating the emergency response team 2. Assessing the situation & determine the severity of the fire	1	1
5	What is Responsibility of Main Incident controller?	1. Overall command and control of the incident response 2. Ensuring safety of personnel and the public	1	1
6	What is Responsibility of Site Incident controller?	1. Managing the incident response on site 2. Implementing the response strategy set by the main incident controller	1	1
7	What is Responsibility of Incident controller? i.e. Shift Incharge before duty hours and after duty hours.	* During duty - Monitoring site operations Responding incident / 2. Coordinating with teams * After duty - Providing a thorough handover report including incident	1	1
8	What is Responsibility of fire & security personnel?	1. Responding to fire emergency alarm 2. Operating fire fight equipment 3. Providing fire safety training to 4. Monitoring site security and Res. sec. breaches 5. Control access to site and ensuring only authorized personnel enter	1	1

**BENZO CHEM INDUSTRIES PRIVATE LIMITED**B-26, 27 & 14,15, MIDC Area Dasarkhed, Tal: Malkapur, Dist: Buldhana
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Format No: HRD001/F07

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Page No: 1 of 2

(To be filled by every trainee after training)

Name of Trainee: <u>Shubham Kale</u>		Date of Training: <u>27/04/2025</u>		
Designation:		Dept./Section: <u>PROD</u>	Card No.: <u>BM0184</u>	
Title of Training : <u>ERT Members Training</u>		Training Faculty: <u>Shri V. R. Badhe</u>		
Assignment				
S.N.	Question	Answer	Total Marks	Marks Obtained
1	Who is ERT member?	1. <u>Supervisor</u> <input type="checkbox"/>	1	<u>1/2</u>
2	What is his responsibility?	1. <u>Assessing situation</u> - <u>providing medical care</u>	1	1
3	What are types of Emergency?	1. <u>Natural Emergency</u> <input type="checkbox"/> <u>Earthquakes, floods</u> <u>Artificial</u> <u>fires, spillage</u>	1	1
4	What is ERT members responsibility if Solvent fire caught to drum.?	1. <u>Use of fire extinguishers</u> - <u>monitor situation.</u>	1	1
5	What is Responsibility of Main Incident controller?	1. <u>CO-ordinating with teams.</u> <input type="checkbox"/>	1	1
6	What is Responsibility of Site Incident controller?	1) <u>Ensuring site safety</u> <input type="checkbox"/> 2) <u>Managing site hazards.</u>	1	1
7	What is Responsibility of Incident controller? i.e. Shift Incharge before duty hours and after duty hours.	1. <u>Before</u> <u>pre-shift briefing</u> <input type="checkbox"/> <u>After</u> <u>Responding to incidents</u>	1	1
8	What is Responsibility of fire & security personnel ?	1. <input type="checkbox"/> - <u>Emergency response</u> - <u>Training & drills.</u> - <u>fire prevention.</u>	1	1



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(To be filled by every trainee after training)

9	What is Responsibility of Emergency Advisery team ?	1. Assessing risk Provide export advice <input type="checkbox"/>	1	1
10	What is Responsibility of Engineering team ?	1. Design of structure of machine & repair <input type="checkbox"/>	1	1
Total:			16	8.5

Marks (%) Obtained = (Marks Obtained / Total Marks) X 100

Performance Criteria: Excellent: Score $\geq 80\%$, Good: $70\% \leq$ Score $< 80\%$,
Satisfactory: $50\% \leq$ Score $< 70\%$, Poor: Score $< 50\%$
If Score Obtained is less than 50%, employee needs retraining

Effectiveness Verification Remark (Please, tick (✓) as applicable)

(To be verified by concerned Training Faculty or Department /Section Head based on score obtained)

Good	<input type="checkbox"/>	Excellent	<input checked="" type="checkbox"/>	Satisfactory	<input type="checkbox"/>	Poor	<input type="checkbox"/>
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Employee Needs Retraining : YES / NO

Effectiveness Verified By (Training Faculty / HOD)	Name: V. R. Badhe	Sign & Date: 17.01.2025
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**BENZO CHEM INDUSTRIES PRIVATE LIMITED**B-26, 27 & 14,15, MIDC Area Dasarkhed, Tal: Malkapur, Dist: Buldhana
Pin Code: 443 101 Maharashtra (India)**Human Resource Department****TRAINING EFFECTIVENESS VERIFICATION**

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(To be filled by every trainee after training)

Name of Trainee: <u>Manikumar Babu Patil</u>	Date of Training: <u>2/10/2025</u>
Designation: <u>Prod. executive</u>	Dept./Section: <u>Production</u>
Title of Training: <u>ERT Members Training</u>	Card No.: <u>BM-0160</u>
Training Faculty: <u>Shri V. R. Badhe</u>	

Assignment

S.N.	Question	Answer	Total Marks	Marks Obtained
1	Who is ERT member?	1. Emergency response team Shift supervisors Fire fighters	1	1
2	What is his responsibility?	1. Responding to emergencies Established emergency procedure	1	1
3	What are types of Emergency?	1. Natural emergencies Security Environmental	1	1
4	What is ERT members responsibility if Solvent fire caught to drum.?	1. Alert others active alarm Evacuate area	1	1
5	What is Responsibility of Main Incident controller?	1. Coordinate with team Inform stakeholders make key decision	1	1
6	What is Responsibility of Site Incident controller?	1. SIC responsible for assessing site condition Implementing response action	1	1
7	What is Responsibility of Incident controller? Ie. Shift Incharge before duty hours and after duty hours.	1. Pre-shift briefing - review previous incidents. familiarizing themselves with safety protocols	1	1
8	What is Responsibility of fire & security personnel ?	① fire fighting ② fire prevention ③ Emergency response ④ Training and drills	1	1



BENZO CHEM INDUSTRIES PRIVATE LIMITED

B-26, 27 & 14,15, MIDC Area Dasarkhed, Tal: Malkapur, Dist: Buldhana
Pin Code: 443 101 Maharashtra (India)

Human Resource Department

TRAINING EFFECTIVENESS VERIFICATION

Format No: HRD001/F07	Rev. No.: 02	Effective Date: 01/04/2024
Ref. SOP No.: HRD/SOP/001	Page No: 2 of 2	

(To be filled by every trainee after training)

9	What is Responsibility of Emergency Advisory team ?	1. providing expert advice ② Assessing risk ③ recommending response strategies	<input type="checkbox"/>	1	1
10	What is Responsibility of Engineering team ?	1. design, development 2. maintenance repair	<input type="checkbox"/>	1	1
Total:				10	10

Marks (%) Obtained = (Marks Obtained / Total Marks) X 100

Performance Criteria: Excellent: Score $\geq 80\%$, Good: $70\% \leq \text{Score} < 80\%$,
Satisfactory: $50\% \leq \text{Score} < 70\%$, Poor: Score $< 50\%$
If Score Obtained is less than 50%, employee needs retraining

Effectiveness Verification Remark (Please, tick (✓) as applicable)

(To be verified by concerned Training Faculty or Department /Section Head based on score obtained)

Good	<input type="checkbox"/>	Excellent	<input checked="" type="checkbox"/>	Satisfactory	<input type="checkbox"/>	Poor	<input type="checkbox"/>
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Employee Needs Retraining : YES / NO ✓

Effectiveness Verified By
(Training Faculty / HOD)

Name: V. R. Badhe

Sign & Date: Badhe
27.04.2025

**BENZO CHEM INDUSTRIES PRIVATE LIMITED**B-26, 27 & 14,15, MIDC Area Dasarkhed, Tal: Malkapur, Dist: Buldhana
Pin Code: 443 101 Maharashtra (India)**Human Resource Department****TRAINING EFFECTIVENESS VERIFICATION**

Format No: HRD001/F07	Rev. No.: 02	Effective Date: 01/04/2024
Ref. SOP No.: HRD/SOP/001	Page No: 1 of 2	

(To be filled by every trainee after training)

Name of Trainee: Sachin N. Chaudhori	Date of Training: 27/04/2025
Designation: Executive	Dept./Section: Prod ⁿ
Title of Training : ERT Members Training	Card No.: BM-0068
Training Faculty: Shri V. R. Badhe	

Assignment

S.N.	Question	Answer	Total Marks	Marks Obtained
1	Who is ERT member?	1. Shift supervisor <input type="checkbox"/>	1	1/2
2	What is his responsibility?	1) Providing medical care <input type="checkbox"/> 2) Assessing situation.	1	1
3	What are types of Emergency?	1. Natural Emergency <input type="checkbox"/> 2) Earthquakes, floods. man made Emergency 3) fires, chemical spills.	1	1
4	What is ERT members responsibility if Solvent fire caught to drum.?	1. Use of fire extinguishers <input type="checkbox"/> 2) monitor situations.	1	1
5	What is Responsibility of Main Incident controller?	1. co-ordinating with teams. <input type="checkbox"/>	1	1
6	What is Responsibility of Site Incident controller?	1. Ensuring site safety <input type="checkbox"/> 2) Managing site records.	1	1
7	What is Responsibility of Incident controller? i.e. Shift Incharge before duty hours and after duty hours.	1. Before duty hours. <input type="checkbox"/> - Pre-shift briefing 2) After duty hours. - Responding to incidents	1	1
8	What is Responsibility of fire & security personnel ?	1. Fire prevention <input type="checkbox"/> - Emergency response - Training & drills.	1	1



BENZO CHEM INDUSTRIES PRIVATE LIMITED

B-26, 27 & 14,15, MIDC Area Dasarkhed, Tal: Malkapur, Dist: Buldhana
Pin Code: 443 101 Maharashtra (India)

Human Resource Department

TRAINING EFFECTIVENESS VERIFICATION

Format No: HRD001/F07	Rev. No.: 02	Effective Date: 01/04/2024
Ref. SOP No.: HRD/SOP/001	Page No: 2 of 2	

(To be filled by every trainee after training)

9	What is Responsibility of Emergency Advisory team ?	Assesing risk provide expert advice <input type="checkbox"/>	1	1
10	What is Responsibility of Engineering team ?	Design development @ Maintenance repair <input type="checkbox"/>	1	1
Total:			10	10.5

Marks (%) Obtained = (Marks Obtained / Total Marks) X 100

=

Performance Criteria: Excellent: Score ≥ 80%, Good: 70% < Score < 80%,
Satisfactory: 50% < Score < 70%, Poor: Score < 50%

If Score Obtained is less than 50%, employee needs retraining

Effectiveness Verification Remark (Please, tick (√) as applicable)

(To be verified by concerned Training Faculty or Department /Section Head based on score obtained)

Good <input type="checkbox"/>	Excellent <input checked="" type="checkbox"/>	Satisfactory <input type="checkbox"/>	Poor <input type="checkbox"/>
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Employee Needs Retraining : YES / NO

Effectiveness Verified By (Training Faculty / HOD)	Name: V. R. Badhu	Sign & Date: <i>Badhu</i> 27/11/2025
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A. Name & Address of Factory :BENZO CHEM IND PVT.LTD
Plot No.B-26,27 & B-14,15.
MIDC ,Dasarkhed,Malkapur

B. Date of Mock Drill :30.09.2025

C. Numbers of Total Workers : 10 Workers
present during mock Drill

D. Scenario chosen for Mock Drill : Toluene Drum Catches
fire during drum filling at Class A Solvent Area

Drum filling work is in progress At that time toluene drum catches fire



The drum filling operator immediate reports to the store supervisor .Store supervisor reported the fire incident to EHS/Fire team



Fire team reaches at Flammable Solvent Fire Site



Fire /EHS team started foam fire fighting



Fire fighting team control the fire



Discussion on observations of Fire mock drill at Class A area



Briefing of Solvent Fire Scenario



Scenario Briefing at Class A area



Flammable Solvent fire Mock drill

Time	Scenario of Mock Drill
14.12 PM	Toluene drum filling work in progress
14.14PM	Drum filling operator observes fire at the top of drum
14.15PM	Drum filling operator stop the pump
14.16 PM	Operator communicated the fire incident to store supervisor
14.17 PM	Store supervisor reported the fire incident to EHS /fire team
14.18PM	EHS team arrived at site & started the fire fighting operation
14.19 PM	Fire fighting team applied foam on the toluene drum fire & got fire under control.
14.20 PM	Discussion on Mock drill observations
15.22PM	Briefing of scenario of Mock Drill

OBSERVATION OF SOLVENT FIRE MOCK DRILL

S.N.	OBSEVATION	Improvement	Responsibility
1	Fire Fighting Team/EHS team reached at site in minimum time		
2	Dealy in opening of Foam adaptor valve	Awareness training & demo should be given to all Fire team members --	EHS
3	Fire fighting team members awareness is needs to be improved	Awareness Training should be given on roles & responsibilities –	EHS
4	Fire fighting team leader not observed the wind direction during fire fighting	Awareness Training should be given on importance of wind direction during fire fighting ---	EHS

190000964 0093
 Cop
 010108

Maharashtra Industrial Development Corporation
 (A Government of Maharashtra Undertaking)
 (Provided Subject to MDC's water Supply Regulation 1973)
 Water Bill

GST NO: 27AAACM3560C12V
 PAN NO: AAACM3560C
 Original for recipient
 Duplicate for Supplier

IRN NO: 7465066277a6c1256eb7729e73b16d85a291f915d2614b71f94b124457642c8
 Bill No: 5026000071678
 Month/Year: April, 2025

Consumer No: DV033/21MPR/1119
 Cust GST/ PAN No: 27AAACB1369G1ZR/AAACB3369G
Malkapur Industrial Area
 Issued Date: 14-May-25

Consumer Type: ID1 Plot / Shed Area: 24,800.00 Plot / Shed No: B-26,27 Block No: Zone: 10 Pending Cap. Contr:	Meter Size: 80	Deposit Amount:
	Min. Qty/ Day: 40.00 Min. Qty / Month: Sanction Qty / day: Meter Status: Working Standing Charge:	Initial/Adv. SD/ Refund SD

Plot No: B-26,27
 Dasarkhed
 MDC Malkapur I A.

Capex Area: 0.00

Rec. Yes Office Order dt. End Dt:
 CETP No Order No Dated:
 Enr. No

## Previous Balance	+	## Current Charges	=	Amount Due Before Due Date	DPC Amount	Due Date
0.00		92,460.00		92,460.00	1,209.00	28-May-25

Meter No / Size	Previous		Current		Water Quantity Cubic Meter	Remarks (If Any)
	Reading	Date	Reading	Date		
21MPR-21 03002292	63424	31-Mar-25	68019	30-Apr-25	5595	
80	0		0		0.00	

Charges Code	REGULAR				DPC	Description
	CHARGE'S		DPC			
	CURRENT #	PREVIOUS #	CURRENT # LAST MONTH	PREVIOUS #		
CGST-Service Charge	651.00	0.00	0.00	0.00	0.00	18.00% CGST @ 3.00%
SGST-Service Charge	651.00	0.00	0.00	0.00	0.00	18.00% SGST @ 3.00%
Water Charge - 1	83,525.00	0.00	0.00	0.00	0.00	100% WAT @ 0.00% = 18.00% (83,525.00)
Service Charges	7,233.00	0.00	0.00	0.00	0.00	8.00% CGST @ 18.00% (78) = 24,826.00 * 8% = 1,986.08 = 23,842.92
TOTAL	92,460.00	0.00	0.00	0.00	0.00	

PAID
 CR No. 014067
 Date: 15-05-25
 Amount: 92,460/-

Report: Ninety Two Thousand Four Hundred and Sixty Only

For Online Payment visit MDC's web site www.mdc.org.in and use Consumer No. DV033/21MPR/1119

DEPUTY ENGINEER M.D.C.

Signature: _____

- Please submit your official GST No., email and phone no while paying this bill at receipt counter
- If the bill is not paid before the due date, DPC Amount will be levied in the subsequent month bill
- All Online, NEFT/RTGS payments shall be made through MDC's Web Site only



Maharashtra Industrial Development Corporation
(A Government of Maharashtra Undertaking)
(Issued Subject to MIDC's water Supply Regulation: 1973)

GST NO: 27AAACM3560C1ZV
PAN NO: AAACM3560C

Original for recipient
Duplicate for Supplier

Water Bill

IRN NO: 7819548dab41306449d8825a0b2399d5ccca1f1f4da9c69c7363997ec34a0b5

Bill No: SI26000158469

Consumer No: DV03321MPR/1119

Malkapur Industrial Area

Month/Year: May 2025

Cust GST/PAN No: 27AAACB3369G1ZR/AAACB3369G

Issued Date: 11-Jun-25

BENZO CHEM INDUSTRIES PRIVATE LIMITED

Consumer Type: 1D1
Plot / Shed Area: 24,800.00
Plot / Shed No: **B-26,27**
Block No:
Zone: 10
Pending Cap. Contr.:

Meter Size: 80
Min. Qty/Day: 40.00
Min. Qty/Month:
Sanction Qty/day:
Meter Status: Working
Standing Charge:

Deposit Amount:

Initial/Addl SD/
Refund SD

Plot No: B-26,27
Dasakhed
MIDC Malkapur I.A.

Rec: Yes Office Order: dt: End Dt
GETP: No Order No: Dated:
Env: No

Carpet Area: 0.00

# Previous Balance	+ # Current Charges	= Amount Due Before Due Date	DPC Amount	Due Date
0.00	83,535.00	83,535.00	1,088.00	25-Jun-25

Meter No / Size	Previous		Current		Water Quantity Cubic Meter	Remarks (if Any)
	Reading	Date	Reading	Date		
21MPR-21 03002292	69019	30-Apr-25	74019	31-May-25	5000	
80	0		0		0.00	

Charges Code	REGULAR				
	CHARGES		DPC		
	CURRENT #	PREVIOUS #	CURRENT # LAST MONTH	PREVIOUS #	
CGST-Service Charge	651.00	0.00	0.00	0.00	00099 CGST @ 9.00%
SGST-Service Charge	651.00	0.00	0.00	0.00	99099 SGST @ 9.00%
Water Charges	75,000.00	0.00	0.00	0.00	2201 GST @ 0.20% 15,000,000.00*
Service Charges	7,233.00	0.00	0.00	0.00	99099 GST @ 10.00% (PK = 24,800.00 * 10 * 1.10 = 27,280.00)
TOTAL	83,535.00	0.00	0.00	0.00	

LAST PAYMENT DETAILS	Receipt No.	Date	Amount
	25MPR/1119/2025	23 May 2025	52,460.00

Rupees: Eighty Three Thousand Five Hundred and Thirty Five Only

For Online Payment visit MIDC web site www.midc.org and use Consumer No: DV03321MPR/1119

DEPUTY ENGINEER M.I.D.C.



Check: DEBIT should be done in favor of Deputy Engineer MIDC Achd.
Payment Range: 12.30 PM to 01.30 PM (except Saturdays, holidays and public holidays) For any queries contact Deputy Engineer MIDC Achd.

- + Please submit your official GST No, email and phone no while paying this bill at receipt counter
- + If the bill is not paid before the due date, DPC Amount will be levied in the subsequent month bill
- + All Online, NEFT/RTGS payments shall be made through MIDC's Web Site only



Maharashtra Industrial Development Corporation
(A Government of Maharashtra Undertaking)
Issued Subject to MIDC's Water Supply Regulation 1973
Water Bill

GST NO: 27AAACM3560C1ZV
PAN NO: AAACM3560C

Original for receipt
Duplicate for Supplier
Bill No: SI26000303727

IRN NO: 00b394cbef09a241898ebdc7e1dc78044cd30e4b6c9d51ced518b290949007

Malkapur Industrial Area
Issued Date: 08-08-2025

Month/Year: July 2025

New Consumer No: 1111900021

Cust GST PAN No: 27AAACB3369X117R/AAACB3369G

**BENZO CHEM INDUSTRIES
PRIVATE LIMITED**

Plot No: B-26.27

Dasakhed

MIDC Malkapur (A)

Consumer Type: ID1

Plot / Shed Area: 24,800.00

Plot / Shed No: B-26.27

Block No:

Zone: ID

Pending Cap. Contn:

Meter Size(mm): 80

Max Qty/Day(m³): 40.00

Min Qty/Month(m³):

Sanctn Qty/day(m³):

Meter Status: Working

Standing Charge:

Carpet Area: 0.00

Deposit Amount

Instal/Addl SDI

Refund SDI

Bcc: Yes Office Order: dt: End Dt:

CE: TP: No: Order No: Dated:

Env: No:

# Previous Balance	# Current Charges	Amount Due Before Due Date	DPC Amount	Due Date
0.00	79,455.00	79,455.00	1,028.00	22-08-2025

Meter No / Size	Previous Reading	Previous Date	Current Reading	Current Date	Water Quantity Cubic Meter	Remarks (If Any)
21MPR-210 3702292	79455	30-06-2025	84183	31-07-2025	4728	

80

0

0

0.00

REGULAR

Charges Code	CHARGES		DPC		For Online Payment, Scan this QR Code
	CURRENT #	PREVIOUS #	CURRENT # LAST MONTH	PREVIOUS #	
CGST-Service Charge	651.00	0.00	0.00	0.00	96889 CGST @ 0.0%
SGST-Service Charge	651.00	0.00	0.00	0.00	96889 SGST @ 0.0%
Water Charges	10,920.00	0.00	0.00	0.00	2201 GST @ 0.0% 15.004 778.00%
Service Charges	7,233.00	0.00	0.00	0.00	96889 GST @ 0.0% (R) : 74,900.00 * R : 1.10 * FS : 1.00 * 1.2
TOTAL	79,455.00	0.00	0.00	0.00	



Important Note :- Old Consumer No :- DV033121MPR/1119
* To be Used for Online bill Payment and all Correspondence bill migration of all consumers numbers to new consumer number system.
* Pay exact bill amount on Virtual A/c No., else payment will be rejected.

* You can pay by NEFT/RTGS/IMPS w.e.f. 01-08-2025.
Name of Beneficiary : MIDC
Bank Name : ICICI Bank Ltd , IFS Code : ICIC000104
Virtual A/c Number : WB330MPR1111900021

EAST
PAYMENT
DATE

DEPUTY ENGINEER MIDC

For Online Payment visit MIDC web site www.midcda.org and use Consumer No: DV033121MPR/1119

Payable: **Seventy Nine Thousand Four Hundred and Fifty Five Only**

For Online Payment visit MIDC web site www.midcda.org and use Consumer No: DV033121MPR/1119

- Please submit your official GST No., email and phone no while paying this bill at receipt counter.
- If the bill is not paid before the due date, DPC Amount will be levied in the subsequent month bill.
- All further NEFT/RTGS payments shall be made through MIDC's Web Site or on Virtual Account Number or QR Code only.





Maharashtra Industrial Development Corporation
 (A Government of Maharashtra Undertaking)
 (Control Subject to MIDC's water Supply Regulation 1973)

GST NO: Z/AAACM3560C1/V
 PAN NO: AAACM3560C

Original for recipient
 Duplicate for Supplier

New Consumer No: 1111900021	Malkapur Industrial Area	Bill No: S2600041/011	
Cust GST/PAN No: Z7AAACB3369G1ZR/AAACB3369G	Issued Date: 10-Sep-25	Month/Year: August 2025	
BENZO CHEM INDUSTRIES PRIVATE LIMITED Plot No. B-26.27 Dasakhed MIDC Malkapur I.A.	Consumer Type: 1D1	Meter Size(mm): 80	Deposit Amount
	Plot / Shed Area: 24,800.00	Min. Qty/Day(m3): 40.00	
Plot / Shed No: B-26.27	Block No.	Min. Qty/Month(m3):	Initial/Addl SD/ Refund SD
Zone: 10	Pending Cap. Contri.	Sanctn. Qty/day(m3):	
Carpet Area: 0.00		Meter Status: Working	
Standing Charge:			
Bot. Yes Office Order dt. End Of			
CETP No. Order No. Dated			
Env No.			

# Previous Balance	# Current Charges	=	Amount Due Before Due Date	DPC Amount	Due Date
0.00	77,835.00	=	77,835.00	1,005.00	24-Sep-25

Meter No / Size	Previous		Current		Water Quantity Cubic Meter	Remarks (if Any)
	Reading	Date	Reading	Date		
21MPR-210 3002292	84183	31-Jul-25	88803	31-Aug-25	4620	
80	0		0		0.00	

Charges Code	REGULAR				For Online Payment, Scan this QR Code.	
	CHARGES		DPC			
	CURRENT #	PREVIOUS #	CURRENT # LAST MONTH	PREVIOUS #		
CGST-Service Charge	651.00	0.00	0.00	0.00	98509 5001 (84.00)	
SGST-Service Charge	651.00	0.00	0.00	0.00	98509 5001 (84.00)	
Water Charges	69,300.00	0.00	0.00	0.00	2201 001 (2.00) 15.00 (4.00) 0077	
Service Charges	7,233.00	0.00	0.00	0.00	98509 501 (1.00) 24,800.00 (4) 1.00 (1.00) (0.00) 00	
TOTAL	77,835.00	0.00	0.00	0.00		

Important Note :- Old Consumer No :- DV033/21MPR/1119
 * To be Used for Online bill Payment and all Correspondence till migration of all consumers numbers to new consumer number
 * Pay exact bill amount on Virtual A/c No., else payment will be rejected.

* You can pay by NEFT/RTGS/RMPS w.e.f. 01-08-2025
 Name of Beneficiary : MIDC
 Bank Name : ICICI Bank Ltd. IFS Code : ICIC0000104
 Virtual A/c Number : WB330MPR1111900021

LAST PAYMENT DETAILS	Receipt No.	Date	Amount	
	21584026091567	22-Aug-2025	79,455.00	
Rupees: Seventy Seven Thousand Eight Hundred and Thirty Five Only				DEPUTY ENGINEER M.I.D.C.
For Online Payment visit MIDC's web site www.midc.mah.nic.in and use Consumer No. DV033/21MPR/1119				

- Please submit your official GST No., email and phone no while paying this bill at receipt counter
- If the bill is not paid before the due date, DPC Amount will be levied in the subsequent month bill
- All Online, NEFT/RTGS payments shall be made through MIDC's Web Site or on Virtual Account Number or QR Code only.

 Maharashtra Industrial Development Corporation (A Government of Maharashtra Undertaking) (Issued Subject to MIDC's water Supply Regulation 1973) Water Bill	GST NO: 27AAACM3580C1ZV PAN NO: AAACM3560C IRN NO: 098f5b83e9f5da6960a77491db2b37d96e5d056bc55ce4893a0f1fbc4827f	Original for recipient Duplicate for Supplier
	New Consumer No: 1111900021 Cust GST/ PAN No: 27AAACB3369G1ZR/AAACB3369G	Malkapur Industrial Area Issued Date: 09-Oct-25
BENZO CHEM INDUSTRIES PRIVATE LIMITED Plot No. B-26,27 Dasarkhed MIDC Malkapur I.A.	Consumer Type: 1D1 Plot / Shed Area: 24,800.00 Plot / Shed No: B-26,27 Block No: Zone: 10 Pending Cap. Contri:	Meter Size(mm): 80 Min. Qty/Day(m3): 40.00 Min. Qty/Month(m3): Sanctn Qty/day(m3): Meter Status: Working Standing Charge:
Bcc: Yes CETP: No Env: No	Office Order : dt: End Dt: Order No : Dated :	Deposit Amount Initial/Adtl SD/ Refund SD Carpet Area: 0.00

# Previous Balance	+	# Current Charges	=	Amount Due Before Due Date	DPC Amount	Due Date
0.00		85,499.00		85,499.00	1,116.00	24-Oct-25

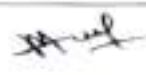

Meter No / Size	Previous		Current		Water Quantity Cubic Meter	Remarks (if Any)
	Reading	Date	Reading	Date		
21MPR-210 3002292	88803	31-Aug-25	93139	30-Sep-25	4336	
80						
	0		0		0.00	

Charges Code	REGULAR				For Online Payment, Scan this QR Code.
	CHARGES		DPC		
	CURRENT #	PREVIOUS #	CURRENT # LAST MONTH	PREVIOUS #	
CGST-Service Charge	651.00	0.00	0.00	0.00	068509 CGST @9.00%
SGST-Service Charge	651.00	0.00	0.00	0.00	666509 SGST @9.00%
Water Charges	76,864.00	0.00	0.00	0.00	2201 GST @ 0.50% 17.75*4,336.00*1
Service Charges	7,233.00	0.00	0.00	0.00	068509 GST @ 18.00% (PR + 24,800.00 * PR - 3.50 * FS) = 1,200.12
TOTAL	85,499.00	0.00	0.00	0.00	

Important Note :- Old Consumer No :- DV033/21MPR/1119
 * To be Used for Online bill Payment and all Correspondence till migration of all consumers numbers to new consumer number
 * Pay exact bill amount on Virtual A/c No., else payment will be rejected.

* You can pay by NEFT/RTGS/IMPS w.e.f. 01-08-2025
 Name of Beneficiary : MIDC
 Bank Name : ICICI Bank Ltd, IFS Code : ICIC000104
 Virtual A/c Number : WB330MPR1111900021

: महत्वाची सूचना :
 कमी विलंब करून ही बिले भरणेसाठी
 कृपया आपला वेळ वाचवा

LAST PAYMENT DETAILS Receipt No: 26MPR00000190 Date: 17-Sep-2025 Amount: 77,835.00	 DEPUTY ENGINEER M.I.D.C. (Please) (RTGS) could be done in favor of Executive Engineer MIDC, Collector, Akola Payment Timings: 10:30 am to 01:30:00 pm, except Saturdays, Sundays and Public Holidays. For any queries, contact Deputy Engineer, MIDC, Akola.
Rupees: Eighty Five Thousand Four Hundred and Ninety Nine Only For Online Payment visit MIDC web site www.midcindia.org and use Consumer No: DV033/21MPR/1119	

- * Please submit your official GST No., email and phone no while paying this bill at receipt counter
- * If the bill is not paid before the due date, DPC Amount will be levied in the subsequent month bill
- * All Online, NEFT/RTGS payments shall be made through MIDC's Web Site or on Virtual Account Number or QR Code only.



BENZO CHEM INDUSTRIES PRIVATE LIMITED

Works: B-26, 27 & 14, 15 M.I.D.C. Area,,
DASARKHED .MALKAPUR – 443 101.
DIST. BULDHANA,
Phone. :(07267)262245, 262391.
Fax :(07267)262341.
E-mail:- bciplmlk@rediffmail.com

Registered Office: C-31 to C-36 & B-35, 3rd Floor, C Wing,
224, Mittal Court, Jamnalal Bajaj Marg,
Nariman Point **Mumbai – 400 021.**
Phone No. : (022) 43555888 Fax No. 022-24320924
Corporate Identity No. U24100MH1986PTC041751
Email: info@benzochem.co.in Website: www.bcipl.com

Green Belt Area Photographs

Plantation done during Apr - 2025 To Sept - 2025 = 410 No.

Survival Rate of Sapling = 89 %



[An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified]



BENZO CHEM INDUSTRIES PRIVATE LIMITED

Works: B-26, 27 & 14, 15 M.I.D.C. Area,,
DASARKHED .MALKAPUR – 443 101.
DIST. BULDHANA,
Phone. :(07267)262245, 262391.
Fax :(07267)262341.
E-mail:- bcipmlk@rediffmail.com

Registered Office: C-31 to C-36 & B-35, 3rd Floor, C Wing,
224, Mittal Court, Jamnalal Bajaj Marg,
Nariman Point **Mumbai – 400 021.**
Phone No. : (022) 43555888 Fax No. 022-24320924
Corporate Identity No. U24100MH1986PTC041751
Email: info@benzochem.co.in Website: www.bcipl.com



[An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified]



BENZO CHEM INDUSTRIES PRIVATE LIMITED

Works: B-26, 27 & 14, 15 M.I.D.C. Area,,
DASARKHED .MALKAPUR – 443 101.
DIST. BULDHANA,
Phone. :(07267)262245, 262391.
Fax :(07267)262341.
E-mail:- bciplmk@rediffmail.com

Registered Office: C-31 to C-36 & B-35, 3rd Floor, C Wing,
224, Mittal Court, Jamnalal Bajaj Marg,
Nariman Point **Mumbai – 400 021.**
Phone No. : (022) 43555888 Fax No. 022-24320924
Corporate Identity No. U24100MH1986PTC041751
Email: info@benzochem.co.in Website: www.bcipl.com



[An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified]

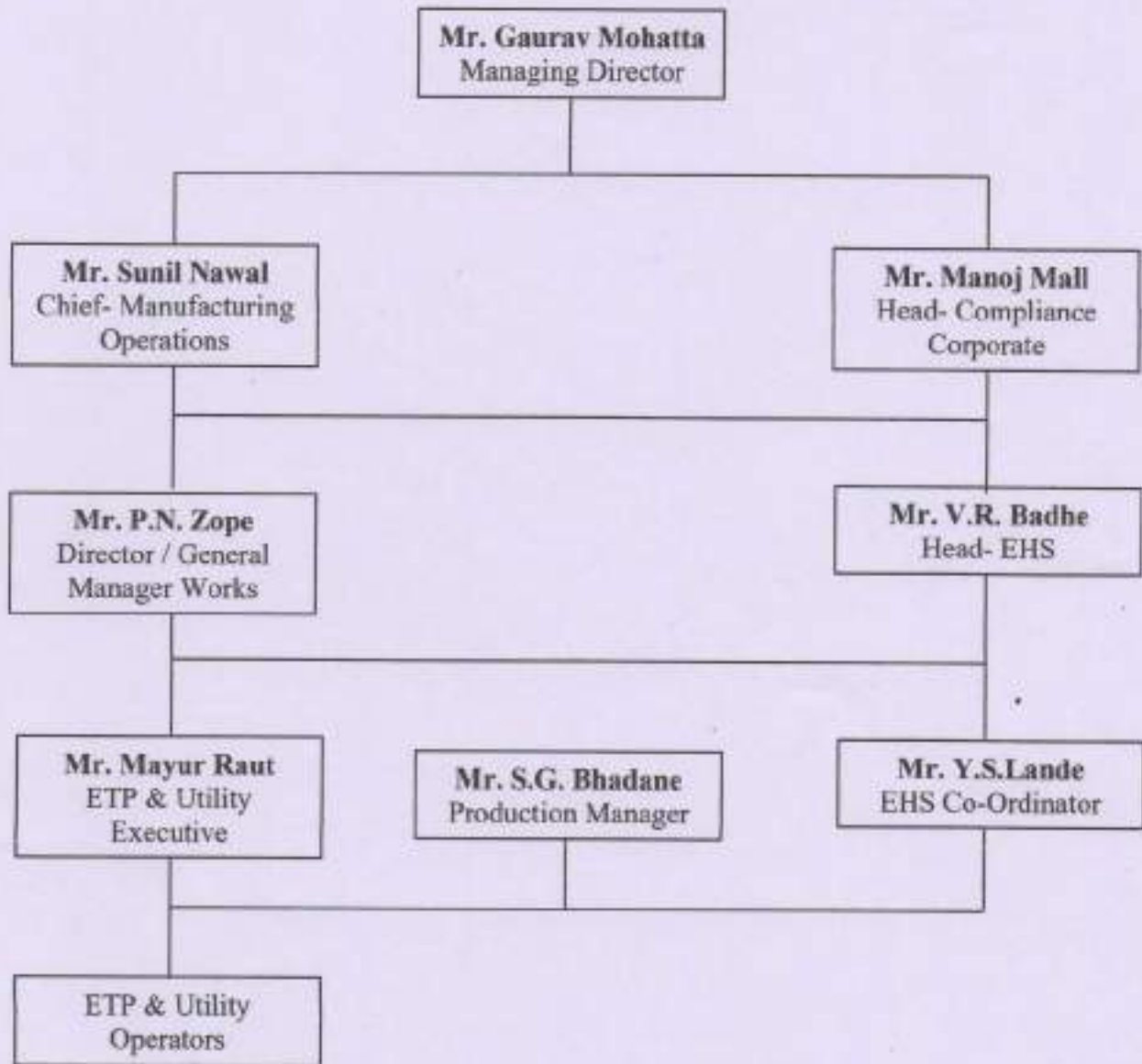


BENZO CHEM INDUSTRIES PRIVATE LIMITED

Works: B-26, 27 & 14, 15 M.I.D.C. Area,
DASARKHED, MALKAPUR - 443 101,
DIST. BULDHANA,
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Fax: (07267)262341.
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Registered Office:
Plot No 26/28 A, Cawasji Patel Street,
Fort, Mumbai - 400 001.
Phone No. : (022) 43555888 Fax No. 022-24320924
Corporate identity No. U24100MH1986PTC041751
Email :- info@benzochem.co.in, Website: www.bcipl.com

The Hierarchical System To Deal With The Environmental Issues And For Ensuring Compliance With The Environmental Clearance Conditions



For Benzo Chem Industries Pvt. Ltd.


Authorized Signatory



[An ISO 9001, 14001 & 45001 Certified Unit]



BENZO CHEM

BENZO CHEM INDUSTRIES PRIVATE LIMITED

Works: B-26, 27 & 14, 15 M.I.D.C. Area,,
DASARKHED .MALKAPUR – 443 101.
DIST. BULDHANA,
Phone. : (07267)262245, 262391.
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E-mail:- bcipmlk@rediffmail.com

Registered Office: C-31 to C-36 & B-35, 3rd Floor, C Wing,
224, Mittal Court, Jamnalal Bajaj Marg,
Nariman Point Mumbai – 400 021.
Phone No. : (022) 43555888 Fax No. 022-24320924
Corporate Identity No. U24100MH1986PTC041751
Email: info@benzochem.co.in Website: www.bcipl.com

Capital & Recurring Budget Spent on Environmental Parameters For the Period April-2025 To September-2025

Sr. No.	Component	Capital Expenses (INR Lakh)	Recurring Expenses (INR Lakh)
1	Air	10.05	1.65
2	Water	20.00	76.12
3	Noise	0.60	0.30
4	Solid Waste Management	0.55	22.42
5	Green Belt Area	1.50	4.50
6	Rain Water Harvesting	0.70	0.20
7	Environmental Monitoring & Management	1.50	16.50
	Total	34.90	121.69

For Benzo Chem Industries Pvt. Ltd.

Authorized Signatory



Deutsche
Akkreditierungsstelle

[An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified]



QF/LA/09

Report Ref. No. : GFL/W/R/25/08/60

Report Date: 08.09.2025

Analysis Test Report

Name & Address of the Client :	M/S Benzochem Industries Pvt.Ltd. Unit-I, Plot No. B-26,27 & B-14,15, Malkapur MIDC Taluka Malkapur, Maharashtra. Mr. Yogesh Lande 8805198789.		
Date of Sampling :	29.08.2025	Sample Description :	ETP Inlet
Date of Receipt of Sample :	01.09.2025	Sample Quantity :	3000 ml
Date of Analysis Started :	01.09.2025	Sample Collected by :	Laboratory
Date of Analysis Completed :	08.09.2025	Sample Container :	Plastic Carboy
Sampling Plan :	QF/LA/01-B 30.07.2025	Sampling Location :	ETP Plant
Sampling Method :	APHA 1060B 24 th Edition	Sample Code :	GFL/W/25/08/60
Environmental Condition during analysis : Temperature = 25 ± 2°C		Humidity = 30 to 80 %	

Sr. No.	Parameters	Unit	Results	MPCB Limits	Test Method Used
1.	pH at 25°C	--	<1	--	APHA 4500-H ⁺ B (24 th Edition)
2.	Chemical Oxygen Demand (COD)	mg/l	11800	--	APHA 5220 B (24 th Edition)
3.	Total Suspended Solids dried from 103 to 105 °C	mg/l	84	--	APHA 2540 D (24 th Edition)
4.	Oil & Grease	mg/l	22	--	APHA 5520 B (24 th Edition)

For Goldfinch Laboratory

Analyzed By

Rimse
Prijanta 08/09/25
Name, Sign & Date

Reviewed By

Nste
8/9/25
Neha S. Apte.
Name, Sign & Date
(DTM / TM / QM)

Authorized By

Nste
8/9/25
Neha S. Apte.
Name, Sign & Date
(Authorized Signatory TM / QM)

Page 1 of 1

----- End of Report -----

QF/LA/09

Report Ref. No. : GFL/W/R/25/08/60-A

Report Date: 08.09.2025

Analysis Test Report

Name & Address of the Client :	M/S Benzochem Industries Pvt.Ltd. Unit-I, Plot No. B-26,27 & B-14,15, Malkapur MIDC Taluka Malkapur, Maharashtra. Mr. Yogesh Lande 8805198789.		
Date of Sampling :	29.08.2025	Sample Description :	ETP Inlet
Date of Receipt of Sample :	01.09.2025	Sample Quantity :	3000 ml
Date of Analysis Started :	01.09.2025	Sample Collected by :	Laboratory
Date of Analysis Completed :	08.09.2025	Sample Container :	Plastic Carboy
Sampling Plan :	QF/LA/01-B 30.07.2025	Sampling Location :	ETP Plant
Sampling Method :	APHA 1060B 24 th Edition	Sample Code :	GFL/W/25/08/60
Environmental Condition during analysis : Temperature = 25 ± 2°C		Humidity = 30 to 80 %	

Sr. No.	Parameters	Unit	Results	MPCB Limits	Test Method Used
1	Total Dissolved Solids dried at 180°C	mg/l	80420	--	APHA 2540 C (24 th Edition)
2	Biochemical Oxygen Demand 3 days at 27°C (BOD)	mg/l	2714	--	IS 3025(Part 44) :2023

Note : The range mentioned for TDS in our NABL Scope is 5 to 50000 mg/lit, BOD in our NABL Scope is 5 to 2000 mg/lit. Your TDS value is exceeding our range hence we are reporting the actual value of TDS (80420 mg/l), BOD (2714 mg/l) as Non NABL report.

For Goldfinch Laboratory

Analyzed By

Priyanka
Priyanka 08/09/25
Name, Sign & Date

Reviewed By

Neha S. Apte
2/9/25
Neha S. Apte.
Name, Sign & Date
(DTM / TM /QM)

Authorized By

Neha S. Apte
8/9/25
Neha S. Apte.
Name, Sign & Date
(Authorized Signatory TM / QM)

Page 1 of 1

----- End of Report



QF/LA/09

Report Ref. No. : GFL/W/R/25/08/61

Report Date: 08.09.2025

Analysis Test Report

Name & Address of the Client :	M/S Benzochem Industries Pvt.Ltd. Unit-I, Plot No. B-26,27 & B-14,15, Malkapur MIDC Taluka Malkapur, Maharashtra. Mr. Yogesh Lande 8805198789.		
Date of Sampling :	29.08.2025	Sample Description :	ETP Outlet
Date of Receipt of Sample :	01.09.2025	Sample Quantity :	3000 ml
Date of Analysis Started :	01.09.2025	Sample Collected by :	Laboratory
Date of Analysis Completed :	08.09.2025	Sample Container :	Plastic Carboy
Sampling Plan :	QF/LA/01-B 30.07.2025	Sampling Location :	ETP Plant
Sampling Method :	APHA 1060B 24 th Edition	Sample Code :	GFL/W/25/08/61
Environmental Condition during analysis : Temperature = 25 ± 2°C		Humidity = 30 to 80 %	

Sr. No.	Parameters	Unit	Results	MPCB Limits	Test Method Used
1.	pH at 25°C	--	7.62	--	APHA 4500-H ⁺ B (24 th Edition)
2.	Chemical Oxygen Demand (COD)	mg/l	80	--	APHA 5220 B (24 th Edition)
3.	Total Dissolved Solids dried at 180°C	mg/l	172	--	APHA 2540 C (24 th Edition)
4.	Total Suspended Solids dried from 103 to 105 °C	mg/l	<4	--	APHA 2540 D (24 th Edition)
5.	Biochemical Oxygen Demand 3 days at 27°C (BOD)	mg/l	22	--	IS 3025(Part 44) :2023
6.	Oil & Grease	mg/l	<5	--	APHA 5520 B (24 th Edition)

For Goldfinch Laboratory

Analyzed By

Rimse
Prijanta 08/09/25
Name, Sign & Date

Reviewed By

Neha
8/9/25
Neha S. Apte.
Name, Sign & Date
(DTM / TM /QM)

Authorized By

Neha
8/9/25
Neha S. Apte.
Name, Sign & Date
(Authorized Signatory TM / QM)

Page 1 of 1

----- End of Report -----



QF/LA/09

Report Ref. No. : GFL/W/R/25/08/62

Report Date: 08.09.2025

Analysis Test Report

Name & Address of the Client :	M/S Benzochem Industries Pvt.Ltd. Unit-I, Plot No. B-26,27 & B-14,15, Malkapur MIDC Taluka Malkapur, Maharashtra. Mr. Yogesh Lande 8805198789.		
Date of Sampling :	29.08.2025	Sample Description :	STP Inlet
Date of Receipt of Sample :	01.09.2025	Sample Quantity :	3000 ml
Date of Analysis Started :	01.09.2025	Sample Collected by :	Laboratory
Date of Analysis Completed :	08.09.2025	Sample Container :	Plastic Carboy
Sampling Plan :	QF/LA/01-B 30.07.2025	Sampling Location :	STP Plant
Sampling Method :	APHA 1060B 24 th Edition	Sample Code :	GFL/W/25/08/62
Environmental Condition during analysis : Temperature = 25 ± 2°C Humidity = 30 to 80 %			

Sr. No.	Parameters	Unit	Results	MPCB Limits	Test Method Used
1.	Biochemical Oxygen Demand 3 days at 27°C (BOD)	mg/l	24	--	IS 3025(Part 44) :2023
2.	Total Suspended Solids dried from 103 to 105 °C	mg/l	32	--	APHA 2540 D (24 th Edition)

For Goldfinch Laboratory

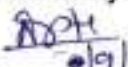
Analyzed By


Pratyanka 08/09/25
Name, Sign & Date

Reviewed By


8/9/25
Neha S. Apte.
Name, Sign & Date
(DTM / TM /QM)

Authorized By


8/9/25
Neha S. Apte.
Name, Sign & Date
(Authorized Signatory TM / QM)

Page 1 of 1

----- End of Report -----



QF/LA/09

Report Ref. No. : GFL/W/R/25/08/63

Report Date: 08.09.2025

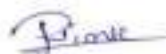
Analysis Test Report

Name & Address of the Client :	M/S Benzochem Industries Pvt.Ltd. Unit-I, Plot No. B-26,27 & B-14,15, Malkapur MIDC Taluka Malkapur, Maharashtra. Mr. Yogesh Lande 8805198789.		
Date of Sampling :	29.08.2025	Sample Description :	STP Outlet
Date of Receipt of Sample :	01.09.2025	Sample Quantity :	3000 ml
Date of Analysis Started :	01.09.2025	Sample Collected by :	Laboratory
Date of Analysis Completed :	08.09.2025	Sample Container :	Plastic Carboy
Sampling Plan :	QF/LA/01-B 30.07.2025	Sampling Location :	STP Plant
Sampling Method :	APHA 1060B 24 th Edition	Sample Code :	GFL/W/25/08/63
Environmental Condition during analysis : Temperature = 25 ± 2 ^o C Humidity = 30 to 80 %			

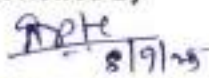
Sr. No.	Parameters	Unit	Results	MPCB Limits	Test Method Used
1.	Biochemical Oxygen Demand 3 days at 27°C (BOD)	mg/l	5.2	<30	IS 3025(Part 44) :2023
2.	Total Suspended Solids dried from 103 to 105 °C	mg/l	8	<50	APHA 2540 D (24 th Edition)

For Goldfinch Laboratory

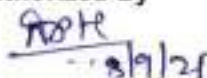
Analyzed By


Priyanka oslogis
Name, Sign & Date

Reviewed By


Neha S. Apte.
Name, Sign & Date
(DTM / TM /QM)

Authorized By


Neha S. Apte.
Name, Sign & Date
(Authorized Signatory TM / QM)

Page 1 of 1

----- End of Report -----



QF/LA/09

Report Ref. No. : GFL/W/R/25/08/64

Report Date: 08.09.2025

Analysis Test Report

Name & Address of the Client :		M/S Benzochem Industries Pvt.Ltd. Unit-I, Plot No. B-26,27 & B-14,15, Malkapur MIDC Taluka Malkapur, Maharashtra. Mr. Yogesh Lande 8805198789.	
Date of Sampling :	29.08.2025	Sample Description :	DRINKING WATER
Date of Receipt of Sample :	01.09.2025	Sample Quantity :	3000 ml
Date of Analysis Started :	01.09.2025	Sample Collected by :	Laboratory
Date of Analysis Completed :	08.09.2025	Sample Container :	Plastic Carboy
Sampling Plan :	QF/LA/01-B 30.07.2025	Sampling Location :	Drinking Water – Near QA Office
Sampling Method :	APHA 1060B 24 th Edition	Sample Code :	GFL/W/25/08/64
Environmental Condition during analysis : Temperature = 25 ± 2°C Humidity = 30 to 80 %			

Sr. No.	Parameters	Unit	Results	MPCB Limits	Test Method Used
1.	pH at 25°C	-	7.51	6.5 to 8.5	APHA 4500-H ⁺ B (24 th Edition)
2.	Turbidity	NTU	<0.9	1.0 max.	APHA 2130 B (24 th Edition)
3.	Conductivity at 25°C	uS/cm	146	Not Specified	APHA 2510 B (24 th Edition)
4.	Biochemical Oxygen Demand 3 days at 27°C (BOD)	mg/l	<5	Not Specified	IS 3025(Part 44) :2023
5.	Total Suspended Solids dried from 103 to 105 °C	mg/l	<4	--	APHA 2540 D (24 th Edition)
6.	Total Dissolved Solids dried at 180°C	mg/l	86	500 max.	APHA 2540 C (24 th Edition)
7.	Chloride	mg/l	11.6	250 max.	APHA 4500-Cl- B (24 th Edition)
8.	Total Hardness	mg/l	24	200 max.	APHA 2340 C (24 th Edition)
9.	Total Alkalinity	mg/l	28	200 max.	APHA 2320 B (24 th Edition)
10.	Sulphate	mg/l	5.0	200 max.	APHA 4500-SO ₄ ²⁻ E (24 th Edition)
11.	Nitrate	mg/l	0.18	45 max.	APHA 4500 NO ₃ B (24 th Edition)
12.	Phosphorus	mg/l	<0.05	Not Specified	APHA 4500-P D (24 th Edition)
13.	Fluoride	mg/l	<0.1	1.0 max.	APHA 4500-F D (24 th Edition)
14.	Sodium	mg/l	8.60	Not Specified	APHA 3111 B (24 th Edition)
15.	Potassium	mg/l	0.41	Not Specified	APHA 3111 B (24 th Edition)
16.	Zinc	mg/l	<0.04	5.0 max.	APHA 3111 B (24 th Edition)
17.	Chromium	mg/l	<0.01	--	APHA 3120 B (24 th Edition)

For Goldfinch Laboratory

Analyzed By

Bimal
Priyanka 08/09/25
Name, Sign & Date

Reviewed By

Neha S. Arpte
08/09/25
Name, Sign & Date
(DTM / TM /QM)

Authorized By

Neha S. Arpte
08/09/25
Name, Sign & Date
(Authorized Signatory TM / QM)

Page 1 of 1

----- End of Report -----

GOLDFINCH LABORATORY

(Department of Goldfinch Engineering Systems™ Private Limited)

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Tel No. : 91-022-2580 1546 / 9920093829 / 7708579136
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QCI-NABET accredited EIA consultant
9001:2015 Certified Company
Certified by ISO 45001 - 2018

QF/LA/09

Report Ref. No. : GFL/W/R/25/08/64

Report Date: 08.09.2025


Analysis Test Report

Name & Address of the Client :	M/S Benzochem Industries Pvt.Ltd. Unit-I, Plot No. B-26,27 & B-14,15, Malkapur MIDC Taluka Malkapur, Maharashtra, Mr. Yogesh Lande 8806198789.		
Date of Sampling :	28.08.2025	Sample Description :	DRINKING WATER
Date of Receipt of Sample :	01.09.2025	Sample Quantity :	3000 ml
Date of Analysis Started :	01.09.2025	Sample Collected by :	Laboratory
Date of Analysis Completed :	01.09.2025	Sample Container :	Plastic Carboy
Sampling Plan :	QF/LA/01-B 30.07.2025	Sampling Location :	Drinking Water - Near QA Office
Sampling Method :	APHA 1060B 24 th Edition	Sample Code :	GFL/W/25/08/64
Environmental Condition during analysis : Temperature = $25 \pm 2^{\circ}\text{C}$ Humidity = 30 to 80 %			

Sr. No.	Parameters	Unit	Results	MPCB Limits	Test Method Used
1.	Temperature	$^{\circ}\text{C}$	26.9	Not Specified	APHA 2550 B (24 th Edition)

For Goldfinch Laboratory

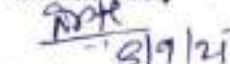
Analyzed By


Pooja
08/09/25
Name, Sign & Date

Reviewed By


Neha S. Apte.
Name, Sign & Date
(DTM / TM /QM)

Authorized By


Neha S. Apte.
Name, Sign & Date
(Authorized Signatory TM / QM)

Page 1 of 1

----- End of Report -----

QF/LA/24

Report Ref. No.: GFL/M/R/25/08/64

Report Date: 02.09.2025

Analysis Test Report - Microbiology

Name & Address of the Client :	M/S Benzochem Industries Pvt.Ltd. Unit-I, Plot No. B-26,27 & B-14,15, Malkapur MIDC Taluka Malkapur, Maharashtra. Mr. Yogesh Lande 8805198789.		
Date of Sample Collection	29.08.2025	Sample Description :	Drinking Water
Date of Receipt of Sample :	01.09.2025	Sampling Location :	Drinking Water - Near QA Office
Date of Analysis Started :	01.09.2025	Sample Quantity :	250 ml
Date of Analysis Completed :	02.09.2025	Sample Container :	Polythene Sterilized bottle
Reference of Sampling Plan :	QF/LA/01-B 30.07.2025	Sample Drawn & Transported by :	Laboratory
Sampling & Preservation Method :	IS-1622-1981	Sample Code	GFLW/25/08/64
Environmental Condition during analysis : Temperature = 18 to 27°C		Humidity = 30 to 80 %	

Parameters	Unit	Result	Limit as per IS 10500:2012 RA2023	Test Method
Total Coliforms	CFU/100ml	Absent	Absent	IS-15185:2016 Reaffirmed 2021
E coli	CFU/100ml	Absent	Absent	IS-15185:2016 Reaffirmed 2021

For Goldfinch Laboratory

Authorized by

Pradnya S. Bhide 2.9.2025
Pradnya S. Bhide

Name, Sign & Date

Page 1 of 1

----- End of Report -----



QF/LA/10-A

Report Ref. No.: GFL/AA/R/25/08-398

Report Date: 09.09.2025

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry: M/S Benzochem Industries Pvt.Ltd. Unit-I, Plot No. B-26,27 & B-14,15, Malkapur MIDC Taluka Malkapur, Maharashtra. Mr. Yogesh Lande 8805198789.			
Date of Sampling:	28.08.2025	Sample Description:	Ambient
Sampling Time:	10.00Hrs-18.00Hrs	Sample Collected by:	Laboratory
Sampling Duration:	08.00Hrs	Sampling Location:	Project Site
Sampling Plan:	QF/LA/01B-30.07.2025	Sampling Conditions:	Temp: 29°C Climate: Clear
Date of Receipt of Sample:	01.09.2025	Sample Code:	GFL/AA/25/08-398
Date of Analysis Started:	01.09.2025	Date of Analysis Completed:	09.09.2025
Sample Quantity & Container:	SO ₂ : 1 Bottle; NO ₂ : 1 Bottle; PM ₁₀ -1 Paper; PM _{2.5} -1 Paper; NH ₃ : 1 Bottle; O ₃ : 1 Bottle, Bladder: 1		
Transport Conditions :	Bottles < 5°C	Filter papers in plastic bag and container	Bladder, charcoal tube at ambient temp.
Environmental Condition while Testing : - Temperature: 25±2°C Humidity: 30-80%			

Parameters	Results	Limits (#)	Units	Sampling Method / Test Method
Particulate Matter PM ₁₀	66.53	100*	µg/m ³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I)
Particulate Matter PM _{2.5}	30.54	60*	µg/m ³	IS 5182 (Part-24):2019
Sulphur Dioxide	23.41	80*	µg/m ³	IS 5182 (Part-2/Sec 1):2023
Oxides of Nitrogen	34.05	80*	µg/m ³	IS 5182 (Part-6):2006, Reaffirmed-2022
Ammonia	91.03	400**	µg/m ³	IS 5182 (Part-25):2018, Reaffirmed-2023
Carbon Monoxide	<1.00	04**	mg/m ³	IS 5182 (Part-10):1999, Reaffirmed-2019
Ozone	<30.00	180**	µg/m ³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I)
Lead	0.26	1.0*	µg/m ³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I)
Nickel	7.69	20*	ng/m ³	GFL/ICP/SOP-01
Arsenic	<0.30	06*	ng/m ³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I)
Benzene	<2.50	05**	µg/m ³	GFL/SOP/GC-01
Benzo(a)pyrene	<0.06	01*	ng/m ³	IS 5182 (Part-12):2004, Reaffirmed-2019
Sampling carried out using HVS GOLDFINCH/INST-HVS/03 Calibrated on: 03.12.2024 Calibration Due on: 03.12.2025			Sampling carried out using ADS GOLDFINCH/INST-ADS/42 Calibrated on: 30.05.2025 Calibration Due on: 30.05.2025	

[#] Specified under National Ambient Air Quality Standards by CPCB.

[*] 24 hourly monitoring values; [**] 1 hourly monitoring values; [***] Annual monitoring values.

For Goldfinch Laboratory

Analyzed by

Raut
09/09/25

Vaibhav Raut
Name, Sign & Date

Reviewed by

Jaidip
09/09/25

Jaidip Patil
Name, Sign & Date
(DTM / TM)

Authorized by

Neha
9/9/25

Neha S. Arte.
Name, Sign & Date
(Authorized Signatory TM / QM)



QF/LA/10-A

Report Ref. No.: GFL/AA/R/25/08-399

Report Date: 09.09.2025

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry: M/S Benzochem Industries Pvt.Ltd. Unit-I, Plot No. B-26,27 & B-14,15, Malkapur MIDC Taluka Malkapur, Maharashtra. Mr. Yogesh Lande 8805198789.			
Date of Sampling:	28.08.2025	Sample Description:	Ambient
Sampling Time:	10.15Hrs-18.15Hrs	Sample Collected by:	Laboratory
Sampling Duration:	08.00Hrs	Sampling Location:	Ghodasgaon
Sampling Plan:	QF/LA/01B- 30.07.2025	Sampling Conditions:	Temp: 29°C Climate: Clear
Date of Receipt of Sample:	01.09.2025	Sample Code:	GFL/AA/25/08-399
Date of Analysis Started:	01.09.2025	Date of Analysis Completed:	09.09.2025
Sample Quantity & Container:	SO ₂ :1 Bottle; NO ₂ :1 Bottle; PM ₁₀ :1 Paper; PM _{2.5} :1 Paper, NH ₃ :1 Bottle; O ₃ :1 Bottle, Bladder:1		
Transport Conditions :	Bottles < 5°C	Filter papers in plastic bag and container	Bladder, charcoal tube at ambient temp.
Environmental Condition while Testing : - Temperature: 25±2°C Humidity: 30-80%			

Parameters	Results	Limits (#)	Units	Sampling Method / Test Method
Particulate Matter PM ₁₀	58.66	100*	µg/m ³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I)
Particulate Matter PM _{2.5}	24.03	60*	µg/m ³	IS 5182 (Part-24):2019
Sulphur Dioxide	13.36	80*	µg/m ³	IS 5182 (Part-2/Sec 1):2023
Oxides of Nitrogen	19.77	80*	µg/m ³	IS 5182 (Part-6):2006, Reaffirmed-2022
Ammonia	39.28	400**	µg/m ³	IS 5182 (Part-25):2018, Reaffirmed-2023
Carbon Monoxide	<1.00	04**	mg/m ³	IS 5182 (Part-10):1999, Reaffirmed-2019
Ozone	<30.00	180**	µg/m ³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I)
Lead	0.22	1.0*	µg/m ³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I)
Nickel	8.41	20*	ng/m ³	GFL/ICP/SOP-01
Arsenic	<0.30	06*	ng/m ³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I)
Benzene	<2.50	05**	µg/m ³	GFL/SOP/GC-01
Benzo(a)pyrene	<0.06	01*	ng/m ³	IS 5182 (Part-12):2004, Reaffirmed-2019
Sampling carried out using HVS GOLDFINCH/INST-HVS/01 Calibrated on: 02.12.2024 Calibration Due on: 02.12.2025		Sampling carried out using ADS GOLDFINCH/INST-ADS/41 Calibrated on: 30.05.2025 Calibration Due on: 30.05.2025		

[#] Specified under National Ambient Air Quality Standards by CPCB:

[*] 24 hourly monitoring values; [**] 1 hourly monitoring values; [***] Annual monitoring values.

For Goldfinch Laboratory

Analyzed by

Vaibhav Raut
09/09/25

Vaibhav Raut

Name, Sign & Date

Reviewed by

Jaidip Patil
09/09/25

Jaidip Patil

Name, Sign & Date
(DTM / TM)

Authorized by

Neha S. Apte
9/9/25

Neha S. Apte

Name, Sign & Date
(Authorized Signatory TM / QM)

Page 1 of 1

----- End of Report -----



QF/LA/10-A

Report Ref. No.: GFL/AA/R/25/08-400

Report Date: 09.09.2025

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry: M/S Benzochem Industries Pvt.Ltd. Unit-I, Plot No. B-26,27 & B-14,15, Malkapur MIDC Taluka Malkapur, Maharashtra. Mr. Yogesh Lande 8805198789.			
Date of Sampling:	29.08.2025	Sample Description:	Ambient
Sampling Time:	10.30Hrs-18.30Hrs	Sample Collected by:	Laboratory
Sampling Duration:	08.00Hrs	Sampling Location:	Talaswada
Sampling Plan:	QF/LA/01B- 30.07.2025	Sampling Conditions:	Temp: 29°C Climate: Clear
Date of Receipt of Sample:	01.09.2025	Sample Code:	GFL/AA/25/08-400
Date of Analysis Started:	01.09.2025	Date of Analysis Completed:	09.09.2025
Sample Quantity & Container:	SO ₂ :1 Bottle; NO ₂ :1 Bottle; PM ₁₀ -1 Paper, PM _{2.5} -1 Paper, NH ₃ :1 Bottle; O ₃ :1 Bottle, Bladder:1		
Transport Conditions :	Bottles < 5°C	Filter papers in plastic bag and container	Bladder, charcoal tube at ambient temp.
Environmental Condition while Testing : - Temperature: 25±2°C Humidity: 30-80%			

Parameters	Results	Limits (#)	Units	Sampling Method / Test Method
Particulate Matter PM ₁₀	59.63	100*	µg/m ³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I)
Particulate Matter PM _{2.5}	23.47	60*	µg/m ³	IS 5182 (Part-24):2019
Sulphur Dioxide	12.86	80*	µg/m ³	IS 5182 (Part-2/Sec 1):2023
Oxides of Nitrogen	17.98	80*	µg/m ³	IS 5182 (Part-6):2006, Reaffirmed-2022
Ammonia	42.43	400**	µg/m ³	IS 5182 (Part-25):2018, Reaffirmed-2023
Carbon Monoxide	<1.00	04**	mg/m ³	IS 5182 (Part-10):1999, Reaffirmed-2019
Ozone	<30.00	180**	µg/m ³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I)
Lead	0.23	1.0*	µg/m ³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I)
Nickel	4.80	20*	ng/m ³	GFL/ICP/SOP-01
Arsenic	<0.30	05*	ng/m ³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I)
Benzene	<2.50	05**	µg/m ³	GFL/SOP/GC-01
Benzo(a)pyrene	<0.06	01*	ng/m ³	IS 5182 (Part-12):2004, Reaffirmed-2019
Sampling carried out using HVS GOLDFINCH/INST-HVS/03 Calibrated on: 03.12.2024 Calibration Due on: 03.12.2025			Sampling carried out using ADS GOLDFINCH/INST-ADS/42 Calibrated on: 30.05.2025 Calibration Due on: 30.05.2026	

[#] Specified under National Ambient Air Quality Standards by CPCB.

[*] 24 hourly monitoring values; [**] 1 hourly monitoring values; [***] Annual monitoring values

For Goldfinch Laboratory

Analyzed by

Vaibhav Raut
09/09/25

Vaibhav Raut
Name, Sign & Date

Reviewed by

Taldeep Patil
09/09/25

Taldeep Patil
Name, Sign & Date
(DTM / TM)

Authorized by

Neha S. Aptekar
9/9/25

Neha S. Aptekar
Name, Sign & Date
(Authorized Signatory TM / QM)

----- End of Report -----

Page 1 of 1



QF/LA/10-A

Report Ref. No.: GFL/AA/R/25/08-401

Report Date: 09.09.2025

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry: M/S Benzochem Industries Pvt.Ltd. Unit-I, Plot No. B-26,27 & B-14,15, Malkapur MIDC Taluka Malkapur, Maharashtra. Mr. Yogesh Lande 8805198789.			
Date of Sampling:	29.08.2025	Sample Description:	Ambient
Sampling Time:	10.45Hrs-18.45Hrs	Sample Collected by:	Laboratory
Sampling Duration:	08.00Hrs	Sampling Location:	Dharangaon
Sampling Plan:	QF/LA/01B- 30.07.2025	Sampling Conditions:	Temp: 29 °C Climate: Clear
Date of Receipt of Sample:	01.09.2025	Sample Code:	GFL/AA/25/08-401
Date of Analysis Started:	01.09.2025	Date of Analysis Completed:	09.09.2025
Sample Quantity & Container:	SO ₂ :1 Bottle; NO ₂ :1 Bottle; PM ₁₀ :1 Paper; PM _{2.5} :1 Paper, NH ₃ :1 Bottle; O ₃ :1 Bottle, Bladder:1		
Transport Conditions :	Bottles < 5°C	Filter papers in plastic bag and container	Bladder, charcoal tube at ambient temp.
Environmental Condition while Testing :- Temperature: 25±2°C Humidity: 30-80%			

Parameters	Results	Limits (#)	Units	Sampling Method / Test Method
Particulate Matter PM ₁₀	56.74	100*	µg/m ³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I)
Particulate Matter PM _{2.5}	25.01	60*	µg/m ³	IS 5182 (Part-24):2019
Sulphur Dioxide	10.78	80*	µg/m ³	IS 5182 (Part-2/Sec 1):2023
Oxides of Nitrogen	19.34	80*	µg/m ³	IS 5182 (Part-6):2006, Reaffirmed-2022
Ammonia	31.06	400**	µg/m ³	IS 5182 (Part-25):2018, Reaffirmed-2023
Carbon Monoxide	<1.00	04**	mg/m ³	IS 5182 (Part-10):1999, Reaffirmed-2019
Ozone	<30.00	180**	µg/m ³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I)
Lead	0.25	1.0*	µg/m ³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I)
Nickel	7.69	20*	ng/m ³	GFL/ICP/SOP-01
Arsenic	<0.30	06*	ng/m ³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I)
Benzene	<2.50	05**	µg/m ³	GFL/SOP/GC-01
Benzo(a)pyrene	<0.06	01*	ng/m ³	IS 5182 (Part-12):2004, Reaffirmed-2019
Sampling carried out using HVS GOLDFINCH/INST-HVS/01 Calibrated on: 02.12.2024 Calibration Due on: 02.12.2025			Sampling carried out using ADS GOLDFINCH/INST-ADS/41 Calibrated on: 30.05.2025 Calibration Due on: 30.05.2026	

[#] Specified under National Ambient Air Quality Standards by CPCB:

[*] 24 hourly monitoring values; [**] 1 hourly monitoring values; [***] Annual monitoring values.

For Goldfinch Laboratory

Analyzed by

Baut
09/09/25

Vaibhav Raut

Name, Sign & Date

Reviewed by

Patil
09/09/25

Taidip Patil

Name, Sign & Date
(BTFM / TM)

Authorized by

Arte
9/9/25

Neha S Arte

Name, Sign & Date
(Authorized Signatory TM / QM)

----- End of Report -----



QF/LA/10-B

Report Ref. No.: GFL/AS/R/25/08-402

Report Date: 09.09.2025

Analysis Test Report for Stack Emissions Monitoring

Name of the Industry: M/S Benzochem Industries Pvt.Ltd. Unit-I, Plot No. B-26,27 & B-14,15, Malkapur MIDC Taluka Malkapur, Maharashtra. Mr. Yogesh Lande 8805198789.			
Date of Sampling:	28.08.2025	Sample Description:	Stack
Sampling Time:	13:50Hrs	Sample Collected by:	Laboratory
Sampling Plan:	QF/LA/01B- 30.07.2025	Sampling Location:	Boiler Stack
Date of Receipt of Sample:	01.09.2025	Sampling Environmental Conditions:	Temp: 33°C
Date of Analysis Started:	01.09.2025		Barometer Pressure: 756 mmHg
Date of Analysis Completed:	09.09.2025	Sample Code:	GFL/AS/25/08-402
Sample Quantity & Container:	SO ₂ :1Bottle; NO _x :1Bottle; Thimble:1		
Transport Conditions:	Bottles < 5°C	Thimbles in plastic container	Bladder, charcoal tube at ambient temp.
Environmental Condition while Testing : - Temperature: 25±2°C Humidity: 30-80%			

Stack Details			
Stack Attached To:	6TPH Boiler	Stack Diameter (m):	0.5
Fuel used:	Coal	Stack Height (m):	30.5
Fuel consumption:	20 T/day	Shape of Stack:	Circular
Number of port holes:	1	Area of Stack (m ²):	0.196
Platform available:	Yes	Details of APCD System:	--

Parameters	Results	MPCB Limits	Units	Sampling Method / Test Method
Velocity of flue gases	7.62		m/s	CPCB Guidelines on Methodologies for Source Emission Monitoring
Temperature of flue Gases	136		°C	
Flow/volume of flue Gases	5526.5		m ³ /Hr	
Particulate Matter	75.33	150	mg/Nm ³	CPCB Guidelines on Methodologies for Source Emission Monitoring
Sulphur Dioxide Content	78.79	--	mg/Nm ³	IS:11255 (Part 2):1985 Reaffirmed 2019
	10.45	203	Kg/day	By Calculation
Oxides of Nitrogen	26.33	--	mg/Nm ³	IS 11255 (Part 7):2005, Reaffirmed 2022
Sampling Carried out using Stack Monitoring Kit ID No. GOLDFINCH/INS-STACK/45/46 Calibrated on -02.12.2024 Calibration due on -02.12.2025				

For Goldfinch Laboratory

Analyzed by

Rawt
09/09/25

Vaibhav Rawt
Name, Sign & Date

Reviewed by

Patil
09/09/25

Taidip Patil
Name, Sign & Date
(DTM / TM)

Authorized by

Apte
09/09/25

Neha S. Apte
Name, Sign & Date
(Authorized Signatory TM / QM)

----- End of Report -----

Page 1 of 1



QF/LA/10-B

Report Ref. No.: GFL/AS/R/25/08-403

Report Date: 09.09.2025

Analysis Test Report for Stack Emissions Monitoring

Name of the Industry: M/S Benzochem Industries Pvt.Ltd. Unit-I, Plot No. B-26,27 & B-14,15, Malkapur MIDC Taluka Malkapur, Maharashtra. Mr. Yogesh Lande 8805198789.			
Date of Sampling:	28.08.2025	Sample Description:	Stack
Sampling Time:	15:00Hrs	Sample Collected by:	Laboratory
Sampling Plan:	QF/LA/01B- 30.07.2025	Sampling Location:	Scrubber Stack
Date of Receipt of Sample:	01.09.2025	Sampling Environmental Conditions:	Temp: 32°C
Date of Analysis Started:	01.09.2025		Barometer Pressure: 754 mmHg
Date of Analysis Completed:	09.09.2025	Sample Code:	GFL/AS/25/08-403
Sample Quantity & Container:	HCl: 1Bottle		
Transport Conditions:	Bottles < 5°C	Thimbles in plastic container	Bladder, charcoal tube at ambient temp.
Environmental Condition while Testing: - Temperature: 25±2°C Humidity: 30-80%			

Stack Details			
Stack Attached To:	Chlorination Scrubber Stack	Stack Diameter (m):	0.3
Fuel used:	--	Stack Height (m):	12.0
Fuel consumption:	--	Shape of Stack:	Circular
Number of port holes:	1	Area of Stack (m²):	0.0706
Platform available:	Yes	Details of APCD System:	--

Parameters	Results	MPCB Limits	Units	Sampling Method / Test Method
Velocity of flue gases	5.79		m/s	CPCB Guidelines on Methodologies for Source Emission Monitoring
Temperature of flue Gases	38		°C	
Flow/volume of flue Gases	1474.2		m³/Hr	
HCl as Acidmist	<0.40	35	mg/m³	EPA 0051, EPA 9057
Sampling Carried out using Stack Monitoring Kit ID No. GOLDFINCH/INS-STACK/45/46 Calibrated on -02.12.2024 Calibration due on -02.12.2025				

For Goldfinch Laboratory

Analyzed by

Vaibhav Raut
09/09/25

Vaibhav Raut
Name, Sign & Date

Reviewed by

Jaidip Patil
09/09/25

Jaidip Patil
Name, Sign & Date
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Authorized by

Neha S. Apte
9/9/25

Neha S. Apte.
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Page 1 of 1

----- End of Report -----



QF/LA/10-B

Report Ref. No.: GFL/AS/R/25/08-404

Report Date: 09.09.2025

Analysis Test Report for Stack Emissions Monitoring

Name of the Industry: M/S Benzochem Industries Pvt.Ltd. Unit-I, Plot No. B-26,27 & B-14,15, Malkapur MIDC Taluka Malkapur, Maharashtra. Mr. Yogesh Lande 8805198789.			
Date of Sampling:	29.08.2025	Sample Description:	Stack
Sampling Time:	11:30Hrs	Sample Collected by:	Laboratory
Sampling Plan:	QF/LA/01B- 30.07.2025	Sampling Location:	Scrubber Stack
Date of Receipt of Sample:	01.09.2025	Sampling Environmental Conditions:	Temp: 33°C
Date of Analysis Started:	01.09.2025		Barometer Pressure: 755 mmHg
Date of Analysis Completed:	09.09.2025	Sample Code:	GFL/AS/25/08-404
Sample Quantity & Container:	NH ₃ :1Bottle		
Transport Conditions:	Bottles < 5°C	Thimbles in plastic container	Bladder, charcoal tube at ambient temp.
Environmental Condition while Testing: - Temperature: 25±2°C Humidity: 30-80%			

Stack Details			
Stack Attached To:	Ammonia Scrubber Stack	Stack Diameter (m):	0.3
Fuel used:	--	Stack Height (m):	12.0
Fuel consumption:	--	Shape of Stack:	Circular
Number of port holes:	1	Area of Stack (m ²):	0.0706
Platform available:	Yes	Details of APCD System:	--

Parameters	Results	MPCB Limits	Units	Sampling Method / Test Method
Velocity of flue gases	5.93		m/s	CPCB Guidelines on Methodologies for Source Emission Monitoring
Temperature of flue Gases	41		°C	
Flow/volume of flue Gases	1509.0		m ³ /Hr	
Ammonia as NH ₃	7.75	--	mg/Nm ³	IS-11255 (Part 6):1999, Reaffirmed 2019
	11.14	50	ppm	

Sampling Carried out using Stack Monitoring Kit
ID No. GOLDFINCH/INS-STACK/45/46
Calibrated on -02.12.2024
Calibration due on -02.12.2025

For Goldfinch Laboratory

Analyzed by

Vaibhav Raut
Name, Sign & Date

Reviewed by

Jaidip Patil
Name, Sign & Date
(BTM / TM)

Authorized by

Neha S. Apte
Name, Sign & Date
(Authorized Signatory TM / QM)

----- End of Report -----

Page 1 of 1



QF/LA/10-C

Report Ref. No.: GFL/AN/R/25/08-406 to 408

Report Date: 09.09.2025

Analysis Test Report for Ambient Noise Level Survey

Name of the Industry: M/S Benzochem Industries Pvt.Ltd. Unit-I, Plot No. B-26,27 & B-14,15, Malkapur MIDC Taluka Malkapur, Maharashtra. Mr. Yogesh Lande 8805198789.			
Date of Sampling:	28.08.2025 – 29.08.2025	Sample Description:	Ambient Noise
Day Time Sampling:	06.00 Hrs. -22.00 Hrs.	Sample Collected by:	Laboratory
Night Time Sampling:	22.00 Hrs. -06.00 Hrs.	Date of Receipt of Sample:	01.09.2025
Sampling Plan:	QF/LA/01 B – 30.07.2025	Sampling Conditions:	Ambient Temp: 29°C Climate: 66%
Frequency Weighting:	A	Time Weighting:	Fast
Date of Analysis Started:	08.09.2025	Date of Analysis Completed:	08.09.2025
Transport Conditions: Noise meter and datasheets safely kept in bag and transported to laboratory			
Environmental Condition while Testing: - Temperature : 25 ± 2°C Humidity : 30-80%			

Ambient Noise Level				Sampling Method / Test Method
Sample Code No.-	Location	Day dB(A)	Night dB(A)	
GFL/AN/25/08-406	Near Main Gate	55.9	54.8	IS 9989-1981 Reaffirmed 2023
GFL/AN/25/08-407	Near Main Store	62.1	54.9	
GFL/AN/25/08-408	Near ETP Plant	63.6	56.1	
M.P.C.B. Limit		75	70	
Survey carried out using dB meter Sr.No. GOLDFINCH/INST- DB Meter /80 Calibrated On: 09.10.2025 Calibration due: 08.10.2026		Survey carried out using dB meter Sr.No. GOLDFINCH/INST- DB Meter /123 Calibrated On: 12.02.2025 Calibration due: 11.02.2026		

For Goldfinch Laboratory

Analyzed by

Raut
09/09/25

Vaibhav Raut
Name, Sign & Date

Reviewed by

Patil
09/09/25

Jaidip Patil
Name, Sign & Date
(BTM / TM)

Authorized by

Apte
9/9/25

Neha S. Apte.
Name, Sign & Date
(Authorized Signatory TM / QM)

Page 1 of 1

----- End of Report -----

QF/LA/10-D

Report Ref. No.: GFL/AW/R/25/08-405

Report Date: 09.09.2025

Analysis Test Reports For Workplace Monitoring

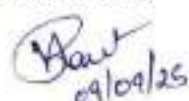
Name of the Industry: M/S Benzochem Industries Pvt.Ltd. Unit-I, Plot No. B-26,27 & B-14,15, Malkapur MIDC Taluka Malkapur, Maharashtra. Mr. Yogesh Lande 8805198789.			
Date of Sampling:	29.08.2025	Sample Description:	Workplace
Sampling Time:	10:00Hrs to 16:30Hrs	Sample Collected by:	Laboratory
Sampling Plan:	QF/LA/01 B - 30.07.2025	Sampling Location:	Process Plant
Date of Receipt of Sample:	01.09.2025	Sampling Conditions:	Temp: 33°C Humidity : 51%
Date of Analysis Started:	01.09.2025	Date of Analysis Completed:	09.09.2025
Sample Quantity & Container:	SO ₂ :1Bottle; SPM :1 Paper; NO _x : 1Bottle; Charcoal tube: 2 Nos		
Transport Conditions :	Bottles < 5°C	Filter papers in plastic bag and container	Bladder, charcoal tube at ambient temp.
Environmental Condition while Testing : - Temperature: 25±2°C Humidity: 30-80%			

Sample Code No.	Location	Parameter	Result	Limits (#)	Units	Sampling Method / Test Method
GFL/AW/25/08-405	Process Plant	Sulphur Dioxide	0.005	5	mg/m ³	IS 5182 (Part-2/Sec 1): 2023
		Oxides of Nitrogen	0.010	6	mg/m ³	IS 5182 (Part-6):2006. Reaffirmed-2022
		Suspended Particulate Matter	0.65	10	mg/m ³	Gravimetric
		Methanol	<0.025	250	ppm	GFL/SOP/GCMS-05
		Toluene	<0.001	150	ppm	GFL/SOP/GCMS-05
		Xylene	<0.001	150	ppm	GFL/SOP/GCMS-05
Sampling carried out using GOLDFINCH/INST-HD sampler/53 Calibrated On : 02.12.2024 Calibration Due On : 02.12.2025			Sampling carried out using GOLDFINCH/INST-HD sampler/66 Calibrated On : 02.12.2024 Calibration Due On : 02.12.2025			

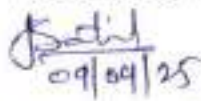
(#) Limits as per Factories Act, 1948: 2020.

For Goldfinch Laboratory

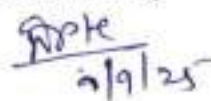
Analyzed by


Vaibhav Raut
Name, Sign & Date

Reviewed by


Taidip Patil
Name, Sign & Date
(DTM / TM)

Authorized by


Neha S. Apte.
Name, Sign & Date
(Authorized Signatory TM / QM)

Page 1 of 1

----- End of Report -----

FORM No.7

[see Rule 18(7) and schedule II, III, X, XI, XIII, XIV, XV, XVIII And XX TO Rule 114]

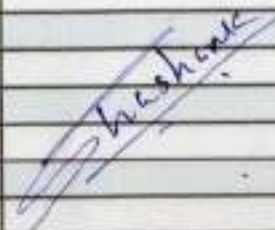
HEALTH REGISTER

(In respect of person employees in occupations declared to be dangerous operations under section B7)

COMPANY NAME : - EMPLOYEE - BENZO CHEM INDUSTRIES PVT LTD B-26/27&B-14/15, MIDC AREA BULDHANA MALKAPUR 443101

Fitness Checkup Period 04-11-2025 TO 03-11-2026

Name of Certifying Surgeon : Dr. Shashank V. Dandge

Sr.No.	EMP. Code	EMP Name	Age	Sex	Date of EMP	Nature of Job or Occupation	Raw Material or Bye Product handled	EMP Fit	Signature of Certifying Surgeon
1	BM 139	ANAND BOCHARE	32	MALE				Fit	 Dr. Shashank V. Dandge M.B.B.S. - D. Ortho. Reg. No. - 2003 05 2152 Rachana Hosp. & Research Centre MIDC, Buldhana, Nagpur - Maharashtra
2	BM-0026	ANANT BORLE	50	MALE				Fit	
3	BM-201	ANKUSH G PATIL	31	MALE				Fit	
4	BM-034	ANUP BORLE	47	MALE				Fit	
5	BM-00209	ASHISH SAWDE	29	MALE				Fit	
6	BM -336	BALU K KANDELKAR	41	MALE				Fit	
7	BM-152	DHANRAJ PATIL	33	MALE				Fit	
8	BM-00198	DHANRAJ THAKARE	33	MALE				Fit	
9	BM-168	DILIP PATIL	63	MALE				Fit	
10	BM-0012	DILIP SINGH RAJPUT	52	MALE				Fit	
11	BM-0095	DINESH G DESHMUKH	44	MALE				Fit	
12	BM-0091	DINKAR TAYDE	45	MALE				Fit	
13	BM -197	DIPAK B PATIL	33	MALE				Fit	
14	BM-0076	DNYANDEO S DAKE	56	MALE				Fit	
15	BM-0003	DURGADAS D JOSHI	57	MALE				Fit	
16	BM-0052	GAJANAN CHOUDHARY	45	MALE				Fit	
17	BM-104	GAJANAN M TAYDE	35	MALE				Fit	
18	BM-0081	GAJANAN P FENGDE	43	MALE				Fit	
19	BM-106	GANESH R KANDELKAR	32	MALE				Fit	
20	BM-2023	GAURAV P KOLTE	30	MALE				Fit	
21	BM-0099	GOPAL KHAMNEKAR	52	MALE				Fit	
22		GOVINDA SARODE	61	MALE				Fit	
23	BM-0040	JAYANT P PATIL	48	MALE				Fit	
24	BM-112	JITENDRA R CHOUDHARI	43	MALE				Fit	
25	BM-0045	KISHOR BHAGAT	38	MALE				Fit	
26	BM-0098	KISHOR DHAYADE	42	MALE				Fit	
27	BM-0150	KISHOR SARODE	35	MALE				Fit	
28	BM-207	LALIT K CHOUHAN	49	MALE				Fit	
29	BM-109	LATIT M WAGH	32	MALE				Fit	
30	BM-183	MAHADEO U WAGH	60	MALE				Fit	
31	BM-0010	MANGESH M KULKARNI	50	MALE				Fit	
32	BM-0111	MANOHAR G PATIL	34	MALE				Fit	

HEALTH REGISTER

(In respect of person employees in occupations declared to be dangerous operations under section 87)

COMPANY NAME :- EMPLOYEE - BENZO CHEM INDUSTRIES PVT LTD B-26/27&B-14/15, MIDC AREA BULDHANA MALKAPUR 443101

Fitness Checkup Period 04-11-2025 TO 03-11-2026

Name of Certifying Surgeon: Dr. Shashank Y. Dandge

Sr.No.	EMP. Code	EMP Name	Age	Sex	Date of EMP	Nature of Job or Occupation	Raw Material or Bye Product handled	EMP Fit	Signature of Certifying Surgeon
33	BM-160	MANOJ K PATIL	30	MALE				Fit	
34	BM-0075	MAYUR A RAUT	35	MALE				Fit	
35	BM-187	MAYUR MUHAJAN	32	MALE				Fit	
36	BM-0031	NARENDRA R RATHOD	55	MALE				Fit	
37	BM-0208	NILESH NAIK	40	MALE				Fit	
38	BM-0070	PANKAJ MAHAJAN	39	MALE				Fit	
39		PAWANKUMAR	27	MALE				Fit	
40	BM-136	PRAFULLA H AGADE	43	MALE				Fit	
41	BM-0053	PRASHANT AGALE	42	MALE				Fit	
42	BM-2023	PRAVIN S SATHE	25	MALE				Fit	
43	BM-166	PRAVIN SHELKE	30	MALE				Fit	
44	BM-0005	PRLHAD N ZOPE	61	MALE				Fit	
45	BM-176	PURUSHOTTAM RAUT	30	MALE				Fit	
46	BM 151	RAHUL KALAMKAR	36	MALE				Fit	
47	BM-0085	RAHUL S BORLE	31	MALE				Fit	
48	BM-172	RAHUL S PATIL	30	MALE				Fit	
49	BM-146	RAJENDRA TAKARKAR	46	MALE				Fit	
50	MR-0015	RAJENDRA V BORLE	57	MALE				Fit	
51	BM-145	RAMRAO BODALE	50	MALE				Fit	
52	BM-092	RAVINDRA E GHULE	54	MALE				Fit	
53	R&D	RIZWAN MD ZAKIR HUSEN	33	MALE				Fit	
54	BM-0068	SACHIN N CHOUDHARI	40	MALE				Fit	
55	BM-180	SACHIN NARKHEDE	44	MALE				Fit	
56	BM-141	SADANAND PATIL	54	MALE				Fit	
57	BM-005	SAGAR S SHARMA	43	MALE				Fit	
58	BM-205	SAGAR S NARWADE	28	MALE				Fit	
59	BM-065	SANDEEP GAWANDE	45	MALE				Fit	
60	BM-0186	SANDIP SHINDE	41	MALE				Fit	
61	BM-0044	SANJAY N CHOPADE	50	MALE				Fit	
62	BM-0188	SATISH R GAWANDE	41	MALE				Fit	
63	BM-0082	SATYNARAYAN GOUR	55	MALE				Fit	
64	BM-0017	SHAILESH R DODE	50	MALE				Fit	

Dr. Shashank Y. Dandge
M.B.B.S., D. Ortho., A.F.I.C.
Reg. No.: 2003 05 2152
Rachana Hosp. & Research Centre
MIDC, Butibori, Nagpur - Maharashtra

FORM No.7

[see Rule 18(7) and schedule II, III, X, XI, XIII, XIV, XV, XVIII And XX TO Rule 114]

HEALTH REGISTER

(In respect of person employees in occupations declared to be dangerous operations under section 87)


COMPANY NAME : - EMPLOYEE - BENZO CHEM INDUSTRIES PVT LTD B-26/27&B-14/15, MIDC AREA BULDHANA MALKAPUR 443101

Fitness Checkup Period 04-11-2025

TO

09-11-2026

Name of Certifying Surgeon : Dr. Shashank V. Dandge

Sr.No.	EMP. Code	EMP Name	Age	Sex	Date of EMP	Nature of Job or Occupation	Raw Material or Bye Product handled	EMP Fit	Signature of Certifying Surgeon
65	BM-0043	SHARAD V DESHMUKH	47	MALE				Fit	 Dr. Shashank V. Dandge M.B.B.S., D. Ortho., A.F.O. Reg. No. - 2003 05 2152 Rachana Hosp. & Research Ctr. MIDC Butibori, Nagpur - Maharashtra
66	BM-195	SHESHRAO BAVISANE	35	MALE				Fit	
67	BM-204	SHRIKRUSHNA MAHAJAN	29	MALE				Fit	
68	BM-185	SHUBHAM S KALE	29	MALE				Fit	
69		SUDHAKAR SHARMA	63	MALE				Fit	
70	BM 073	SUMIT K PATIL	40	MALE				Fit	
71	BM-096	SUNIL AHIRAO	39	MALE				Fit	
72	BM-008	SUNIL G BHADANE	52	MALE				Fit	
73	BM-77	SUNIL R PATIL	50	MALE				Fit	
74	BM-00167	SUPADU S KANDELE	61	MALE				Fit	
75	BM-181	SURESH K MALI	60	MALE				Fit	
76	BM-0054	SWAPNIL ZANKE	40	MALE				Fit	
77	BM-108	TUSHAR HAMBARDIKAR	41	MALE				Fit	
78	MB-088	UMESH SONUNE	36	MALE				Fit	
79	BM-00198	VIJAY WARADE	51	MALE				Fit	
80	BM-189	VINAY BOILER	41	MALE				Fit	
81	BM-0018	VINAYAK R PATIL	50	MALE				Fit	
82		VINOD R DUTTE	38	MALE				Fit	
83	BM-0083	VIVEK G KINGE	33	MALE				Fit	
84	BM-0079	VIVEK VERULKAR	30	MALE				Fit	
85	BM-0009	YOGESH S LANDE	54	MALE				Fit	
86	BM-0009	JIVSINGH D PAWAR	51	MALE				Fit	



Dr. Shashank V. Dandge
 M.B.B.S., D. Ortho., A.F.O.
 Reg. No.: 2003 05 2152
 Rachana Hosp. & Research Ctr.
 MIDC Butibori, Nagpur - Maharashtra

HEALTH REGISTER

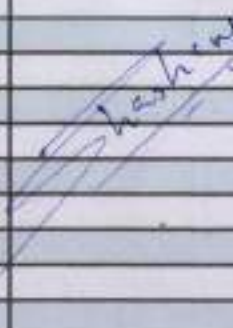
COMPANY NAME :- AMS - BENZO CHEM INDUSTRIES PVT LTD B-26/27&8-14/15, MIDC AREA BULDHANA MALKAPUR 443101

Fitness Checkup Period 04-11-2025

TO

03-11-2026

Name of Qualified Doctor : Dr. Shashank V. Dandge

Sr.No.	EMP. Code	EMP Name	Age	Sex	Date of EMP	Nature of Job or Occupation	Raw Material or Bye Product handled	EMP Fit	Signature of Qualified Doctor
1		ABHAY S RANE	34	MALE				Fit	 M.B.B.S., D. Ortho, F.I.H. Reg. No.: 2003 05 2111 Rachana Hosp. & Research MIDC, Buldhana, Nagpur - Maharashtra
2		AKASH DHADE	22	MALE				Fit	
3		AKASH FULPAGARE	26	MALE				Fit	
4		AKASH S TAYDE	24	MALE				Fit	
5		AKSHAY B TAYDE	28	MALE				Fit	
6		AMOL GAIKWAD	27	MALE				Fit	
7		AVINASH BIRHADE	45	MALE				Fit	
8		AVINASH PATIL	35	MALE				Fit	
9		BHAGWAN KHARCHE	32	MALE				Fit	
10		BHUSHAN CHOCHAN	28	MALE				Fit	
11		CHETAN CHOUHAN	22	MALE				Fit	
12		CHINTAMAN NAROTE	31	MALE				Fit	
13		DIPAK G KAVLE	32	MALE				Fit	
14		DIPAK SINGH B BAYAS	34	MALE				Fit	
15		DNYANESHWAR D SABLE	26	MALE				Fit	
16		DNYANESHWAR R KANDELKAR	38	MALE				Fit	
17		GAJANAN P LOAD	47	MALE				Fit	
18		GAJANAN M DHAYADE	30	MALE				Fit	
19		GAJANAN V NARKHEDE	43	MALE				Fit	
20		GANESH BHIVATE	32	MALE				Fit	
21		GANESH R SATHE	24	MALE				Fit	
22		GAURAV NAMAIDE	23	MALE				Fit	
23		GAURAV NARWADE	22	MALE				Fit	
24		GOKAL P PATIL	27	MALE				Fit	
25		GOKULDAS N BORSE	35	MALE				Fit	
26		KASHINATH GANDE	42	MALE				Fit	
27		KHUSHAL J PATIL	50	MALE				Fit	
28		KOMAL MEHENGE	23	MALE				Fit	
29		MANOJ G LANDE	29	MALE				Fit	
30		NARENDRA T KODI	41	MALE				Fit	
31		NINA B KHADSE	41	MALE				Fit	
32		OM S WARKHEDE	20	MALE				Fit	
33		PAWAN SAWDE	21	MALE				Fit	
34		PRASHANT M INGALE	43	MALE				Fit	
35		RAHUL N BORSE	25	MALE				Fit	
36		RAJENDRA B RANE	52	MALE				Fit	
37		RAJESH P BISE	26	MALE				Fit	

HEALTH REGISTER

COMPANY NAME :- AMS - BENZO CHEM INDUSTRIES PVT LTD B-26/27&B-14/15,MIDC AREA BULDHANA MALKAPUR 443101

Fitness Checkup Period 04-11-2025 TO 03-11-2026

Name of Qualified Doctor : Dr. Shashank V. Dandge

Sr.No.	EMP. Code	EMP Name	Age	Sex	Date of EMP	Nature of Job or Occupation	Raw Material or Bye Product handled	EMP Fit	Signature of Qualified Doctor
39		RAVINDRA MAHALE	33	MALE				Fit	
40		RAVINDRA R ZOPE	46	MALE				Fit	
41		RAVINDRA V KINGE	43	MALE				Fit	
42		ROSHAN DABRA	26	MALE				Fit	
43		RUSHIKESH R BHISE	20	MALE				Fit	
44		RUSHIKESH RAUT	21	MALE				Fit	
45		SACHIN LOKHANDE	38	MALE				Fit	
46		SACHIN S. SHELKE	26	MALE				Fit	
47		SANDESH D SHINDE	31	MALE				Fit	
48		SANDIP R JANJAL	30	MALE				Fit	
49		SANJAY D KHARCHE	54	MALE				Fit	
50		SANJIV P BODALE	45	MALE				Fit	
51		SANTOSH N RATHI	55	MALE				Fit	
52		SANTOSH S BAGULE	51	MALE				Fit	
53		SHRIRAM L PATIL	32	MALE				Fit	
54		SIDDHARTH GAIKWAD	33	MALE				Fit	
55		VIJAY S LANDE	38	MALE				Fit	
56		VILASH G BORLE	49	MALE				Fit	
57		VINOD D KAHATE	45	MALE				Fit	
58		VINOD S THAKRE	41	MALE				Fit	



Dr. Shashank V. Dandge
M.B.B.S., D. Ortho.
Reg. No - 2003 05 2144
Rachana Hosp. & Research Centre
MIDC Butibon, Nagpur - Maharashtra

Your (Half Yearly Compliance Report) has been Submitted with following details

Proposal No	IA/MH/IND2/103300/2019
Compliance ID	129248904
Compliance Number(For Tracking)	EC/M/COMPLIANCE/129248904/2025
Reporting Year	2025
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	05-06-2025
RO/SRO Name	Shri Senthil Kumar Sampath
RO/SRO Email	agmu156@ifs.nic.in
State	MAHARASHTRA
RO/SRO Office Address	Integrated Regional Offices, Nagpur

Note:- SMS and E-Mail has been sent to Shri Senthil Kumar Sampath, MAHARASHTRA with Notification to Project Proponent.

From: Pralhad Zope <zope@benzochem.co.in>
Sent: 10 June 2025 14:39
To: 'SRO Akola'
Subject: FW: Submission of Six Monthly Post EC Compliance Report of Benzochem Industries Pvt.Ltd.to Sub Regional Officer MPCB (Period October 2024 to March 2025)-Reg.
Attachments: Six Monthly EC Compliance to SRO-MPCB by Benzochem Industries Malkapur unit-1.pdf

To,
Sub-Regional Officer,
M.P.C. Board,
Alsi Plot, Opp. Hutatma Smarak,
Nehru Park Chowk, Akola - 444001.

Subject: Submission of 9th half yearly compliance report for Benzo Chem Industries. Pvt. Ltd. at Plot No. B-26,27 & B-14,15, Malkapur MIDC Dasarkhed, Taluka- Malkapur, District Buldhana Maharashtra – Ninth progress/Status Report EC Compliance-Reg.

Ref: Environmental Clearance letter no. F.No. IA-J-11011/175/2019-IA-II(I) dated November 10, 2020 granted by Expert Appraisal Committee, MoEF & CC, Delhi Govt of India.

Dear Sir,

We have received the environmental clearance from the Expert Appraisal Committee (EAC), MoEF & CC, Delhi Govt. of India

As per the requirement, we are submitting herewith the 9th half-yearly EC Compliance report of the said project for the period of October 2024 to March 2025.

We are also attaching herewith the acknowledgment copy of the submission of EC Compliance to the Parivesh Portal of MoEFCC, for your reference.

With this reference we wish to submit the details required as below:

1. Pointwise compliance to stipulations as laid down by the ministry.
2. Point wise compliance of the standard EC compliance conditions.
3. Other documents viz. EC letter, Consent to Operate, Form IV, Form V & Environment Monitoring Report, etc. which are attached as annexures.

We hope you will find the same in line with your requirements.

Thanking You,

For Benzo Chem Industries Pvt. Ltd.

Pralhad Zope

Authorized Signatory



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2025

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000087032

Submitted Date

28-09-2025

PART A

Company Information

Company Name

Benzo Chem Industries Private Ltd.

Application UAN number

0000145878

Address

B-26,27 & 14,15 M.I.D.C. AREA,
Dasarkhed Tal. Malkapur Dist.
Buldhana

Plot no

B-26,27 & 14,15 M.I.D.C. AREA

Taluka

MALKAPUR

Village

DASARKHED

Capital Investment (In lakhs)

5835

Scale

LSI

City

MALKAPUR

Pincode

443101

Person Name

PRALHAD ZOPE

Designation

General Manager-Works

Telephone Number

07267262245

Fax Number

07267262341

Email

zope@benzochem.co.in

Region

SRO-Akola

Industry Category

Red

Industry Type

R22 Organic Chemicals
manufacturing

Last Environmental statement submitted online

yes

Consent Number

Format1.0/CC/UAN No.MPCB-
CONSENT-0000145878/CO/2304000668

Consent Issue Date

2023-04-12

Consent Valid Upto

2026-09-30

Establishment Year

1997

Date of last environment statement submitted

Sep 28 2024 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name

2,5 DI METHYL PHENYL ACETYL CHLORIDE

Consent Quantity

1644

Actual Quantity

108.00

UOM

MT/A

ORTHO CHLORO PHENYL ACETIC ACID

1644

157.007

MT/A

PARA CHLORO BENZYL CYANDINE

1644

89.450

MT/A

PARA CHLORO PHENYL ACETIC ACID

1644

57.450

MT/A

2,4,6 TRI METHYL PHENYL ACETYL CHLORIDE

1644

120

MT/A

ORTHO METHYL BENZYL CHLORIDE

1644

45.0

MT/A

2,4 DI CHLORO BENZYL CYANIDE	960	216.700	MT/A
META CHLORO BENZYL CYANIDE	960	258.732	MT/A
METHYL 2 CHLORO PHENYL ACETATE	960	36.255	MT/A
ORTHO CHLORO BENZYL CHLORIDE	960	52.433	MT/A
ORTHO METHYL PHENYL ACETIC ACID	960	15.912	MT/A
PARA METHYL BENZYL CHLORIDE	960	29.200	MT/A
META CHLORO BENZYL CHLORIDE	960	1.272	MT/A
ORTHO CHLORO BENZYL CYANIDE	960	43.801	MT/A
ORTHO METHYL BENZYL CYANIDE	960	26.200	MT/A
2-PHENYL ACETYL CHLORIDE	960	2.2	MT/A
ORTHO ANISOYL CHLORIDE 75% SOLUTION IN ETHYLENE DI CHLORIDE	156	6.402	MT/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
HYDROCHLORIC ACID	1200	411.083	MT/A
SODIUM CHLORIDE	472.8	105.00	MT/A
SODIUM SULPHITE	240	180.0	MT/A
AMMONIA	780	173.735	MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	441.10	225.00
Domestic	20.00	12.00
All others	65.00	10.00
Total	567.90	283.50

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	72.55	21.94	CMD
Domestic Effluent	16	8.80	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
PARA CHLORO BENZYL CYANIDE	0.010	0.001	MT/A
ORTHO CHLORO BENZYL CHLORIDE	1.51	6.62	MT/A
2,4 DI CHLORO BENZYL CYANIDE	107.7	0.003	MT/A
METHYL 2-CHLORO PHENYL ACETATE	0.011	4.58	MT/A
2,5 DI METHYL PHENYL ACETYL CHLORIDE	0.06	0.001	MT/A
2,4,6 TRI METHYL PHENYL ACETYL CHLORIDE	0.04	0.001	MT/A
ORTHO METHYL BENZYL CYANIDE	0.05	3.31	MT/A

ORTHO METHYL PHENYL ACETIC ACID	5.36	2.01	MT/A
PARA CHLORO PHENYL ACETIC ACID	0	7.25	MT/A
ORTHO METHYL BENZYL CHLORIDE	0	5.68	MT/A
META CHLORO BENZYL CYANIDE	0	0.003	MT/A
PARA METHYL BENZYL CHLORIDE	0	3.69	MT/A
META CHLORO BENZYL CHLORIDE	0	1.61	MT/A
ORTHO CHLORO BENZYL CYANIDE	0	5.53	MT/A
2 PHENYL ACETYL CHLORIDE	0	2.78	MT/A
ORTHO ANISOYL CHLORIDE 75% SOLUTION in Ethylene Di Chloride	0	6.08	MT/A
ORTHO CHLORO PHENYL ACETIC ACID	0	0.002	MT/A

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
1,3,5 TRI METHYL BENZENE	283.355	131.083	MT/A
2,4 DI CHLORO BENZYL CHLORIDE	155.152	11.039	MT/A
BENZYL TRI ETHYL AMMONIUM CHLORIDE-	1.557	3.240	MT/A
BLEACHING POWDER	0.164	0.042	MT/A
CAUSTIC SODA FLAKES	302.243	201.153	MT/A
CAUSITC SODA LYE	416.371	322.116	MT/A
FORMALDEHYDE SOLUTION	194.148	91.096	MT/A
HYDROCHLORIC ACID	552.331	1287.171	MT/A
LIQUID CHLORINE	117.0	182.575	MT/A
META CHLORO TOLUENE	138.960	120.285	MT/A
METHANOL	6.879	20.052	MT/A
PEG -400	11.493	8.680	MT/A
SODA ASH	22.300	11.423	MT/A
SODIUM BICARBONATE	2.068	4.336	MT/A
SODIUM CYANIDE	441.332	252.00	MT/A
SODIUM SULPHITE	3.075	8.525	MT/A
THIONYL CHLORIDE	577.688	184.888	MT/A
TOLUENE	180.465	140.0	MT/A
TRI ETHYL AMINE	8.375	7.736	MT/A
CATALYST "X"	0.737	1.578	MT/A
TETRA BUTYL AMMONIUM BROMIDE -50% SOLN	11.053	4.925	MT/A
PARA FORMALDEHYDE	185.550	40.001	MT/A
PARA XYLENE	388.833	186.710	MT/A
ORTO CHLORO BENZYL CHLORIDE	22.740	118.861	MT/A
ORTHO XYLENE	51.179	86.818	MT/A
PARA CHLORO BENZYL CYANIDE	149.625	108.0	MT/A
SULPHURIC ACID	27.945	31.834	MT/A

HYDROGEN PEROXIDE	3.552	7.548	MT/A
META CHLORO BENZYL CHLORIDE	110.086	200.250	MT/A
POTASSIUM CARBONATE	18.754	4.757	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Coal	16816	5424	MT/A
Agro Waste	16816	0	MT/A

Part-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
Suspended Solids	0.02	1	0	-	-
BOD	0.08	12	0	-	-
COD	0.38	60	0	-	-
Oil & Grease	0.03	4	0	-	-
Total Dissolved Solids	10.38	180	0	-	-

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
PM (Boiler S 1)	8.92	86.38	-	-	-
Sulphur Dioxide (Boiler S1)	16.01	154.92	-	-	-
PM (D G 1010 KVA)	1.36	20	-	-	-
Sulphur Dioxide (D G 1010 KVA)	10.9	160	-	-	-

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
20.3 Distillation residues	30.790	36.460	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
35.3 Chemical sludge from waste water treatment	4.710	11.00	MT/A
37.3 Concentration or evaporation residues	132.380	108.970	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
-	0	0	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Coal Ash	163.95	170.0	MT/M

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
20.3 Distillation residues	36.460	MT/A	Send to MEPL Nagpur
35.3 Chemical sludge from waste water treatment	11.00	MT/A	Send to MEPL Nagpur
37.3 Concentration or evaporation residues	108.970	MT/A	Send to MEPL Nagpur

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
-	0	MT/A	-

Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
Water	0	0	0	0	50.0	0
Air	0	0	0	0	14.0	0

Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
-	-	0

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection Environmental Protection Measures Capital Investment (Lacks)

Upgradation of ETP	to reduce water pollution	50.0
Air Pollution Control devices	to reduce gases pollution	14.0
Tree Plantation	to control gases pollution	7.3

Part-I

Any other particulars for improving the quality of the environment.

Particulars

B-26,27 & 14,15 M.I.D.C. AREA, Dasarkhed Tal.Malkapur City Malkapur Dist.Buldhana is maintained all rule ,regulation & clean environment & effluent parameters are within limits as per MPCB consent conditions.

Name & Designation

PRALHAD ZOPE General Manager-Works

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000087032

Submitted On:

28-09-2025



Tata AIG General Insurance Company Limited
 Peninsula Business Park, Tower A, 15th Floor, G.K.Marg, Lower Parel, Mumbai, Maharashtra 400013

Public Liability Insurance Act, 1991

(This document is not a contract of insurance and nor is it a confirmation of insurance)

Held Cover Letter

To
 The Manager
 Benzochem Industries Pvt Ltd

Thank you for the payment confirmation

We hereby confirm the cover as per the terms below for the policy period from 27-03-2025 to 26-03-2026. This letter is valid only for 30 days from date of issuance or until issuance of policy whichever is earlier.

1	Insured	:	Benzochem Industries Pvt Ltd	
2	Business Description	:	Chemical Manufacturing	
3	Communication Address	:	E-13-14-15, MIDC area , Jalgaon , Maharashtra , 425003	
4	Risk Address	:	Anywhere in India	
5	Policy Period	:	27-03-2025 to 26-03-2026	
6	Indemnity Limit	:	INR	6,00,00,000 Any One Accident and
		:	INR	12,00,00,000 in the Aggregate during the Policy Period
7	Form	:	As per TATA AIG's Public Liability Insurance Indian Wording	
8	Paid Up Capital	:	INR	5,40,00,000
9	ESTIMATED ANNUAL TURNOVER AS DECLARED:	:	INR	5,25,00,00,000
10	Territory & Jurisdiction	:	India Only	
11	Annual Premium	:	Premium without Tax	55,000
		:	*Taxes as applicable on above Premium @18%	9,900
		:	ERF Contribution	55,000
		:	Total Premium	1,19,900
12	Loss Record	:	Nil Loss History - Proposal form duly filled, signed, dated and stamped	
13	Subjectivity	:	- "No Known or Reported Losses or Circumstances Leading to Losses," declaration prior to binding - Duly Stamped & Signed Form-III	
14	Date	:	27-03-2025	

IRDA Registration No 108
CIN No # U85110MH2000PLC 128425

TATA AIG General Insurance Company Ltd.
 28, Dr. Ernest Borges Road, Near Global Hospital
 Parel (E), Mumbai -400012

PAN number: AABCT3518Q
 Assuring you of our best of services at all times
 For TATA-AIG General Insurance Company Limited



Udit Mahajan

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/CC/UAN No.MPCB-
CONSENT-0000145878/CO/2304000668**

Date: 12/04/2023

To,
M/s. Benzo Chem Industries Pvt. Ltd.,
Plot No:- B- 26, 27 & 14,15, M.I.D.C. Area,
Dasarkhed Tal:- Malkapur, Dist:- Buldhana.



Your Service is Our Duty

**Sub: Grant of First Consent to Operate for expansion with amalgamation
of existing consent to operate under Red/LSI category.**

- Ref:**
1. Earlier consent accorded by the Board vide no Format1.0/AST/UAN NO.0000089344/CE-2107001616, dtd. 30.07.2021.
 2. Environment Clearance obtained from MoEF&CC vide F. NO-J-11011/175/2019-IA-II(I) , dtd. 10.11.2020.
 3. Existing Consent to Operate accorded by the Board with vide No. Format 1.0/AS(T)/UAN No. 0000119715/CR/-2110000177 dtd. 5/10/2021 valid up to 30.09.2026.
 4. Minutes of Consent Committee meeting held on 20/03/2023.

Your application No.MPCB-CONSENT-0000145878 Dated 10.08.2022

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 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 valid period up to 30.09.2026.**
2. **The capital investment of the project is Rs.58.35 Crs. (As per C.A Certificate submitted by industry Existing CI is-Rs. 42.02 Crs + Expansion in C.I. - Rs. 16.33 Crs)**

3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Agro Intermediates-(1)Para Chloro Benzyl Chloride, (2)Para Chloro Benzyl Cyanide, (3)Para Chloro Phenyl Acetic Acid, (4)Para Chloro Benzo Tri Chloride, (5)Ortho Methyl Benzyl Chloride, (6)Ortho Chloro Phenyl Acetic Acid, (7)2,5 Di Methyl Phenyl Acetic Acid, (8)2,5 Di Methyl Phenyl Acetyl Chloride, (9)2,4,6 Tri Methyl Phenyl Acetyl Chloride, (10)2,4 Di Chloro Phenyl Acetyl Chloride, (11)2,4 Di Chloro Phenyl Acetic Acid, (12)2,4 Di Chloro Benzaldehyde, (13)Para Chloro Benzyl Cyanide 75% Solution in N-Butyl Acetate, (14)1-Naphthyl Acetonitrile, (15)Isopropyl (4-Chlorophenyl) acetyl chloride (CPIC), (16)Para Chloro a-isopropyl Phenyl Acetic Acid (CPIA), (17)aaa'a' Tetra Chloro Ortho Xylene	137	MT/M
2	Speciality Chemicals Intermediates-(18)Ortho Anisoyl Chloride 75% Solution in Ethylene Dichloride,(19)aa Di Chloro Para Xylene, (20) Benzaldehyde 2,4 Di Sulphonic Acid Di Sodium Salt (Powder), (21) Benzaldehyde 2,4 Di Sulphonic Acid Di Sodium Salt (Liquid), (22) Benzaldehyde Ortho Sulphonic Acid Sodium Salt,(23) Para Hydroxy Benzaldehyde	13	MT/M
3	Pharma Intermediates-(24)Para Chloro Benzaldehyde,(25) Meta Chloro Benzyl Chloride, (26) Meta Chloro Benzyl Cyanide, (27) Meta Chloro Phenyl Acetic Acid, (28) Meta Chloro Benzaldehyde, (29) Ortho Methyl Benzyl Cyanide, (30) Ortho Methyl Phenyl Acetic Acid, (31) Ortho Chloro Benzyl Chloride, (32) Ortho Chloro Benzyl Cyanide, (33) Ortho Chloro Benzaldehyde, (34) Methyl 2-Chloro Phenyl Acetate, (35) 2,4 Di Chloro Benzyl Cyanide, (36) 2,4 Di Chloro Benzyl Chloride, (37) 2-Phenyl Acetyl Chloride, (38) 2-Bromo Benzyl Cyanide, (39) 4-Bromo Benzyl Cyanide, (40) 3,4 Di Chloro Benzyl Cyanide, (41) Para Methyl Benzyl Chloride, (42) Para Methyl Benzyl Cyanide,(43) Para Methyl Phenyl Acetic Acid	80	MT/M
4	Total	230	MT/M

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	72.55	As per Schedule-I	Recycle 100% to achieve ZLD
2.	Domestic effluent	16	As per Schedule-I	STP

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(6 TPH) (Existing) & Thermic Fluid Heater-1(6 Lakh Kcal/Hr) (Existing)	1	As per Schedule -II

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
2	S-2	Boiler -2 (10 TPH) (Proposed) & Thermic Fluid Heater—2 (6 Lakh Kcal/Hr) (Proposed)	1	As per Schedule -II
3	S-3	Thermic Fluid Heater -3 (2 Lakh Kcal/Hr)(Proposed)	1	As per Schedule -II
4	S-4	DG Set (1000 KVA) (Proposed)	1	As per Schedule -II
5	S-5	Process Stack-I-HCL/Cl ₂ Scrubber (Existing)	1	As per Schedule -II
6	S-6	Process Stack-II-Ammonia Scrubber (Existing)	1	As per Schedule -II
7	S-7	Process Stack-III-HBr Scrubber (Proposed)	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Coal Ash	282.46	MT/M	Sale	Sale to Brick Manufacturer

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	0.02	MT/M	Recycle	Sale to authorised party / CHWTSDF
2	20.2 Spent solvents	3.0	MT/M	Recycle*	Sale to authorised party / CHWTSDF
3	20.3 Distillation residues	18.50	MT/M	Incineration	CHWTSDF
4	33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	1.0	MT/M	Recycle	Sale to authorised party
5	33.2 Contaminated cotton rags or other cleaning materials	0.01	MT/M	Incineration	CHWTSDF
6	35.3 Chemical sludge from waste water treatment	3.0	MT/M	Landfill	CHWTSDF
7	37.3 Concentration or evaporation residues	70.0	MT/M	Landfill	CHWTSDF
8	28.1 Process Residue and wastes (Hydrochloric Acid)	100	MT/M	Recycle*	Sale to authorised party / CHWTSDF
9	28.1 Process Residue and wastes (Sodium Chloride)	39.40	MT/M	Recycle*	Sale to authorised party / CHWTSDF
10	28.1 Process Residue and wastes (Hydrobromic Acid)	3.0	MT/M	Recycle*	Sale to authorised party / CHWTSDF
11	28.1 Process Residue and wastes (Sodium Sulphite)	20.0	MT/M	Recycle*	Sale to authorised party / CHWTSDF

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
12	28.1 Process Residue and wastes (Ammonium Sulphate)	5.0	MT/M	Recycle*	Sale to authorised party / CHWTSDf
13	28.1 Process Residue and wastes (Sodium Bromide)	3.0	MT/M	Recycle*	Sale to authorised party / CHWTSDf
14	28.1 Process Residue and wastes (Mixed Solvents)	1.0	MT/M	Recycle*	Sale to authorised party / CHWTSDf
15	28.1 Process Residue and wastes (Ammonia)	65	MT/M	Recycle*	Sale to authorised party / CHWTSDf

[* Industry shall ensure disposal to the Actual user having permissions under Rule 9 of Hazardous and other Waste (M & TM) Rules, 2016]

8. Conditions under Batteries (Management & Handling) Rules, 2001:

Sr No	Type of Waste	Quantity	UoM	Disposal Path
1	Lead Acid Batteries from DG Set and UPS	30.00	Nos./Y	Sale to MPCB approved Battery recyclers

Specific Conditions for used Batteries:

- i. The applicant shall ensure that used batteries are not disposed of in any manner other than by depositing with the authorized dealer/ manufacturer/ registered recycler/ importer/ re-conditioner or at the designated collection center.
- ii. The applicant shall file half-yearly return in Form VIII to the M.P.C. Board.
- iii. Bulk consumers to their user units may auction used batteries to registered recyclers only.

9. Conditions under E-Waste Management:

Sr No	Type of Waste	Quantity	UoM	Disposal Path
1	ITEW-2 Personnel Computer (Central Processing units with input and output devices)	3.33	Kg/M	Sale to MPCB authorized recycler
2	ITEW-3 Personnel Computing Laptop Computers (Central Processing units with input and output devices)	1.67	Kg/M	Sale to MPCB authorized recycler
3	ITEW-6 Printer including cartage	1.67	Kg/M	Sale to MPCB authorized recycler
4	ITEW-12 Telephone	0.42	Kg/M	Sale to MPCB authorized recycler

10. **Treatment and Disposal of Biomedical Waste generated to CBMWTSDF:**

Sr.No	Category	Type of Waste	Quantity not to exceed (Kg/M)	Segregation Color coding	Treatment & Disposal
1	Yellow	a) Soiled Waste	0.67	Yellow colored non-chlorinated plastic bags or containers	CBMWTSDF
		b) Expired or Discarded Medicines	0.50		

11. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
12. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
13. The industry shall obtain necessary permission from the Directorate of Industrial Safety and Health (DISH).
14. The applicant shall not carry out any excess production or produce new products without Consent of the Board and without Environmental Clearance wherever it is applicable.
15. The applicant shall properly collect, transport & regularly dispose-off the Hazardous Waste to CHWTSDF, in compliance of the Hazardous and other Waste (M & TH) Rule-2016 and keep proper manifest thereof.
16. Industry shall 100% recycle treated effluent to achieve ZLD.
17. Industry shall comply with the conditions of Environmental Clearance accorded by MOEF & CC with vide F. no. IA-J-11011/175/2019-IA-II(I) dtd.-10/11/2020.
18. Industry shall complete installation of OCEMS within period of 2 months as per CPCB guidelines & data to be transmitted directly from Data Logger to Board server .
19. This consent is issued as per the Office Order for Consent Management of the Board No. 12/2020 dtd. 23.12.2020.
20. This Consent is issued without prejudice to the order passed as may be passed by the Hon'ble NGT, Western Zone, Bench, Pune in the matter of Application No. 124/2017 (WZ), M.A. 299/2017 filed by Arvind Mahajan & ors. V/s. M/s. Benzo Chem Industries Pvt. Ltd., Plot No. B-26/27, MIDC, Village Dasarkhed, Tal. Malkapur, Dist. Buldhana.

21. This Consent is issued with overriding effect on earlier Consent to Operate granted by the Board vide no. Format 1.0/AS(T)/UAN No.0000119715/CR/-2110000177 dtd. 05/10/2021 valid up to 30.09.2026.

. This consent is issued as per communication letter dated 03/11/2022 which is approved by competent authority of the board.



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Signed by: **Dr. J.B.Sangewar**
Assistant Secretary (Technical)
For and on behalf of
Maharashtra Pollution Control Board
ast@mpcb.gov.in
2023-04-12 11:30:05 IST

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	200000.00	MPCB-DR-13877	23/08/2022	RTGS
2	15000.00	TXN2303002678	17/03/2023	Online Payment

Copy to:

1. Regional Officer, MPCB, Amravati and Sub-Regional Officer, MPCB, Akola
- 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 provided Effluent Treatment Plant (ETP) of designed capacity of 100.00 CMD comprising of: 1) Strong COD/TDS stream of 18.76 CMD-Treatment system of comprising of Primary (Collection tank, Neutralization tank, Equalization tank),Stripper followed by ATFD 2) Weak COD/TDS stream of 53.79 CMD- Treatment system of comprising of Primary (Collection tank, Neutralization tank, Equalization tank, Primary Clarifier/Primary settling tank) Secondary (Activated Sludge Process, followed by secondary Clarifier)Tertiary (Pressure sand filter, Activated carbon filter) Advanced treatment Multiple Effect Evaporator (2 Nos having Capacity 100 CMD Each, Bio reactor followed by MBR and Reverse osmosis. The RO Permeate (64 CMD) is reuse into the process and RO reject send to MEE (2 Nos) with designed capacity of 100 CMD Each.
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] Industry shall install online monitoring system i.e. IP Camera and flow meter to ensure the Zero Liquid Discharge and it connectivity to the MPCB server. Industry shall also install separate energy meter to the pollution control devices.
2. A] As per your application, you have provided Sewage Treatment Plant of designed capacity of 30 CMD with MBBR Technology for the treatment of 16 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	BOD (3 days 27°C)	Not to exceed	30 mg/l
2	Suspended Solids	Not to exceed	100 mg/l

- C] The sewage shall be treated in Sewage Treatment Plant(STP) and recycled for utility purposes to the maximum extent and remaining shall be applied on land for gradening within premises after confirming above standards. In no case, sewage shall find its way outside the 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	441.10
2.	Domestic purpose	20.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	41.80
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	65.00

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:

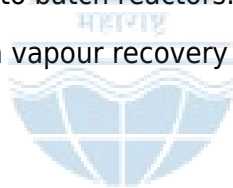
Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-1	Boiler 1(6 TPH) & Thermic Fluid Heater-1(6 Lakh Kcal/Hr) (Existing)	Multi Cyclone	30.50	Coal /Agro Waste 23.9 MT/Day	1	TPM	115.0 Mg/Nm ³
						SO2	239 Kg/Day
S-2	Boiler -2 (10 TPH) & Thermic Fluid Heater—2 (6 Lakh Kcal/Hr) (Proposed)	Multi Cyclone	30.50	Coal /Agro Waste 30.0 MT/Day	1	TPM	115.0 Mg/Nm ³
						SO2	300 Kg/Day
S-3	Thermic Fluid Heater -3 (2 Lakh Kcal/Hr) (Proposed)	Stack	11.00	LSHS 0.55 MT/Day	1	TPM	150 Mg/Nm ³
						SO2	11.17 Kg/Day
S-4	DG Set (1000 KVA) (Proposed)	Acoustic Enclosure	7.00	HSD 194 Ltr/Hr	1	TPM	150 Mg/Nm ³
						SO2	78.22 Kg/Day
S-5	Process Stack-I- HCL/Cl ₂ (Scrubber (Existing)	Scrubber	12.00	-	-	Acid Mist/HCl	35 Mg/Nm ³
S-6	Process Stack-II- Ammonia Scrubber(Existing)	Scrubber	12.00	-	-	NH ₃	30 Mg/Nm ³
S-7	Process Stack-III- HBr Scrubber (Proposed)	Scrubber	12.00	-	-	Bromine	3 PPM

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 (mg/l)	
Total Particulate Matter	Not to exceed	30 mg/ Nm ³

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 O	Rs. 5.0/- Lakh	15 days	Towards compliance of consent conditions Towards compliance of consent conditions	Continuous	31.03.2027

****Existing BG obtained for above purpose if any, may be extended for period of validity as above.**

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. Consumers or bulk consumers of electrical and electronic equipment listed in Schedule I shall ensure that e-waste generated by them is channelised through collection centre or dealer of authorised producer or dismantler or recycler or through the designated take back service provider of the producer to authorised dismantler or recycler
2. Bulk consumers of electrical and electronic equipment listed in Schedule I shall maintain records of e-waste generated by them in Form-2 and make such records available for scrutiny by the concerned State Pollution Control Board
3. Consumers or bulk consumers of electrical and electronic equipment listed in Schedule I shall ensure that such end-of-life electrical and electronic equipment are not admixed with e-waste containing radioactive material as covered under the provisions of the Atomic Energy Act, 1962 (33 of 1962) and rules made there under;
4. Bulk consumers of electrical and electronic equipment listed in Schedule I shall file annual returns in Form-3, to the concerned State Pollution Control Board on or before the 30th day of June following the financial year to which that return relates. In case of the bulk consumer with multiple offices in a State, one annual return combining information from all the offices shall be filed to the concerned State Pollution Control Board on or before the 30th day of June following the financial year to which that return relates.



5. Specific Conditions for storage, Handling and Disposal of Waste from Electrical & Electronic equipment (WEEE):
1. **Collection of WEEE** - The applicant must provide appropriate and dedicated vehicles duly identified as per the norms for transportation of Hazardous Waste. The applicant shall obtain all the required permits for transportation of WEEE from competent authority. The applicant shall ensure the safe transport of the WEEE without any spillage during transportation.
Storage for disassembled parts: The applicant must provide appropriate storage for disassembled spare parts from WEEE. Some spare parts (e.g. motors and compressors) will contain oil and/or other fluids. Such part must be appropriately segregated and stored in containers that are secured such that oil and other fluids cannot escape from them. These containers must be stored on an area with an area with an impermeable surface and a sealed drainage system.
 2. **Storage for other components and residues:** Other components and residues arising from the treatment of WEEE will need to be contained following their removal for disposal or recovery. Where they contain hazardous substances they should be stored on impermeable surface and in appropriate containers or bays with weatherproof covering. Containers should be clearly labelled to identify their contents and must be secured so that liquids, including rain water cannot enter them. Components should be segregated having regard to their eventual destinations and the compatibility of the component types. All batteries should be handled and stored having regard to the potential fire risk associated with them.
 3. **Balances** : WEEE Guidelines also requires that sites for handling of WEEE have "balances to measure the weight of the segregated waste". The objective is to ensure that a record of weights can be maintained of WEEE entering a facility and components and materials leaving each site (together with their destinations). The nature of the weighing equipment should be appropriate for the type and quantity of WEEE being processed.
 4. Plastic, which cannot be recycled and is hazardous in nature, is recommended to be land filled in nearby CHWTSDF.
 5. Ferrous and nonferrous metal recycling facilities fall under the purview of existing environmental regulations for air, water, noise, land and soil pollution and generation of hazardous waste and the same should be followed.
 6. CFCS should be either reused or incinerated in common hazardous waste Incineration facilities at CHWTSDF.
 7. Waste Oil should be either reused or incinerated in common hazardous waste incineration facilities.
 8. PCB's containing capacitors shall be incinerated in common hazardous waste incineration facilities at CHWTSDF.
 9. Mercury recovery and lead recycling facilities from batteries fall under the Hazardous & Other Wastes (M & TM) Rules, 2016.
 10. Existing environmental regulations for air; water; noise, land and soil pollution and generation of hazardous waste and the same should be followed. In case Mercury or lead recovery is very low, they can be temporarily stored at e-waste recycling facility and later disposed in TSDF.
 11. The industry shall maintain records of the e-waste purchased, processed in Form-2 and shall file annual returns of its activities of previous year in Form-3 as per Rules 11(9) & 13(3)(vii) of the E-Waste(M) Rules, 2016; on or before 30th day of June of every year.
6. The Energy source for lighting purpose shall preferably be LED based

7. 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
8. 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 siting 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.
9. The applicant shall maintain good housekeeping.
10. 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.
11. 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.
12. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
13. 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).
14. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
15. 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.
16. 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.
17. 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.
18. The PP shall provide personal protection equipment as per norms of Factory Act

19. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
20. 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.
21. 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.
22. 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.
23. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
24. Industry 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).
25. 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.
26. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
27. The industry should not cause any nuisance in surrounding area.
28. 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.
29. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
30. 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.
31. The industry should comply with the Hazardous and Other Wastes (M & TM) 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 April to March in Form-IV by 30th June of every year.

32. 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.
33. 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.
34. 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.
35. 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.
36. 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.
37. 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).
38. 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.



This certificate is digitally & electronically signed.



**MAHARASHTRA ENVIRO POWER LIMITED
(Nagpur Unit)**

Agreement to provide facility of
**'COMMON HAZARDOUS WASTE TREATMENT,
STORAGE & DISPOSAL FACILITY'**

Between

**MAHARASHTRA ENVIRO POWER LIMITED
(Nagpur Unit)**

AND

BENZO CHEM INDUSTRIES PVT. LTD.(OLD)

PLOT NO. B - 26,27, MIDC AREA , DASARKHED, TAL. MALKAPUR, DIST. BULDHANA - 443101.

ON

23 July 2024

TO

22 July 2029

Registered Office

20, IT Park Gayatri Nagar, Parsodi, Ranapratap Nagar,
Nagpur 440022. (M.S.) India

Tel. No: +91 712 7125000, 7125200 Fax: +91 712 7125100 Web: www.smsl.co.in

CLIENT CODE: 33000163



Sign Seal (MEPL)



Sign Seal (Member Unit)



महाराष्ट्र MAHARASHTRA

2024

11AB 360825

12 JUL 2024

व्यक्तिगत रूप से
 कक्षा दिनांक - मोरडला राशन
 जम्कोबाबाय चलकापुर
 मुद्रांक विभाग, यशवन्तराव नाग चमरे
 मुद्रांक पत्राचारदरचे भांड
 मुद्रांक शुल्क रकम
 मुद्रांक विक्री नोंद घेणे सा. अंक
 दिनांक 21/07/24
 मुद्रांक विक्रय, कक्षाच्याची नाही

केरला केम इंडस्ट्रीज लिमिटेड
 444K
 धुल



MEMBERSHIP AGREEMENT

This Membership Agreement ("Agreement") is executed at Nagpur on this 1st day of July, 2024, by & between:

केरला खानी तथा काल्यादायी मुद्रांक
 खरेदी केल्यापासून ६ महिन्यांचा काळामे

एच.एस.पी.टी.एल.
 मुद्रांक विभाग, यशवन्तराव
 चमरे, मुद्रांक विभाग, (सा.नं. 9/98)

23rd
 [Signature]

Maharashtra Enviro Power Limited (Nagpur Unit) (hereinafter referred to as 'MEPL' for short), a company incorporated and registered under the provisions of the Companies Act, 2013 and having its registered office at 20, IT Park Gayatri Nagar, Parsodi, Ranapratap Nagar, Nagpur 440022, Maharashtra, (India) (hereinafter referred to as "The First Party" which expression shall unless repugnant to the context or meaning thereof shall mean and include its successors, assignees etc.)

AND

M/s. BENZO CHEM INDUSTRIES PVT. LTD.(OLD)

(hereinafter referred to as "THE MEMBER"), which is a Company duly incorporated under the Provisions of The Companies Act 2013 and having its registered office at C-31 to C-36 & B-35, 3rd Floor, C Wing, 224, Mittal Court, Jarnalal Bajaj Marg, Nariman Point Mumbai - 400 021.

hereinafter referred to as "The Second Party", which expression shall unless repugnant to the context of meaning thereof shall mean and include its Successors, Business, Assignees etc.) On the



[Handwritten signature]



[Handwritten signature]
 Sign Seal (Member Unit)

WHEREAS:

- 1 The Second Party is, interalia, engaged in the business activities relating to CHEMICAL

Hazardous / Industrial Solid Waste (hereinafter referred to as "Hazardous Waste") as specified in Hazardous Waste (Management and Handling) Rules, 1989 and now amended The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and further amendments thereof.

The Hazardous Waste is specified below as per consent to Operate and actual waste generation.

Sr.No.	Items No. of process generating HW as per Schedule-I	Type of Waste	Qty. (MT/A)	Disposal
1	5.1	Used or spent oil	0.240	Sale to Authorized Party / CHWTSDF
2	20.2	Spent solvents	36.000	Sale to Authorized Party / CHWTSDF
3	20.3	Distillation residues	222.000	CHWTSDF
4	33.1	Empty barrels/ containers /liners contaminated with hazardous chemicals /wastes	12.000	Sale to Authorized Party / CHWTSDF
5	33.2	Contaminated cotton rags or other cleaning materials	0.120	CHWTSDF
6	35.3	Chemical sludge from waste water treatment	36.000	CHWTSDF
7	37.3	Concentration or evaporation residues	840.000	CHWTSDF

2

The Party of the second part is desirous of disposing off its 'Hazardous Waste' as specified in the Rules and confirming to the norms laid down by MPCB and in furtherance thereto, the Party of the second part has approached to the First Party for managing the disposal of its 'Hazardous Waste' as specified in the Rules and conforming to the norms laid down by MPCB, since the Party of the first part has set up 'Common Hazardous Waste Treatment, Storage & Disposal Facility' at MIDC Industrial Area, Butibori NAGPUR.

3

The First Party has agreed to treat 'Hazardous Waste' of the Second Party on the 'Terms and Conditions' stated hereunder which have been mutually agreed to between the 'MEPL' and 'THE MEMBER'.

NOW THIS AGREEMENT WITNESSTH AS FOLLOWS:

1 DEFINITIONS AND INTERPRETATIONS

1.1 "TIME" shall be stated in Hours and shall mean Indian Standard Time.

"WORKING DAY" means a period of twelve (12) consecutive hours beginning at 08.00 hours and ending at 20.00 hours.



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- 1.3 "WEEK" means a period of seven (7) consecutive days beginning from the first day of the week i.e. Monday.
- 1.4 MONTH means a period beginning at 8.00 hours on the first day of Calendar Month and ending at 8.00hours on the first day of succeeding Calendar Month.
- 1.5 "YEAR" means a period of three hundred and sixty five (365) consecutive days or three hundred and sixty six (366) consecutive days when such period includes a twenty ninth (29th) day of February beginning at 8.00 hours from a day.
- 1.6 "FINANCIAL YEAR" means a period of three hundred and sixty five (365) consecutive days or three hundred and sixty six (366) consecutive days when such period includes a twenty ninth (29th) day of February beginning at 8.00 hours from a day of first April.
- 1.7 "FACILITY" means 'Common Hazardous Waste, Treatment, Storage & Disposal Facility cum Power Generation'
- 1.8 "Hazardous Waste" means 'Hazardous Waste' as specified in the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and further amendments thereof.
- 1.9 "Rules" means Hazardous Waste (Management and Handling) Rules, 1989 and now amended as Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2016.
- 1.10 "MPCB" means 'Maharashtra Pollution Control Board' (a state pollution control board)
- 1.11 "MIDC" means 'Maharashtra Industrial Development Corporation' (a state industrial corporation).
- 1.12 "CPCB" means 'Central Pollution Control Board'.
- 1.13 "MoEF & CC" means "Ministry of Environment Forest and Climate Change"
- 1.14 "RATE LIST" means rates fixed by "MEPL" from time to time w.r.t. Membership deposit, treatment charges, transportation charges, MIDC charges, toll tax, service tax and others as applicable.
- 1.15 The headings of or title to the Clauses in this AGREEMENT shall not be deemed to be a part thereof or be taken into consideration in the interpretation or construction thereof of the AGREEMENT.
- 1.16 Words imparting the singular only also include the plural and vice versa where the contexts so require.
- 1.17 The present agreement is entered into by 'MEPL' for Collection, Transportation, Treatment & Disposal of Hazardous Waste generated by Second Party.



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2 PERIOD OF AGREEMENT :

2.1 The present agreement shall come into force from

23 July 2024

The date mentioned on the Membership Certificate and that the present Agreement shall remain in force for a period of five (5) consecutive years, effective from above named date, and ends on

22 July 2029

3 EXTENSION PERIOD OF AGREEMENT :

3.1

If the Members wishes to send its Hazardous Waste after the expiry of the present Agreement, it shall give five (5) months advance notice to 'MEPL' of its desire of extended period of facility and 'MEPL' shall, subject to the availability of space, consider the request and may in its absolute discretion, offer terms for the fresh Agreement. Both the parties hereto shall, after reaching an Agreement on the offered terms, execute a fresh Agreement at least one (1) month before the date expiry of this Agreement.

3.2 Both the Parties hereto agree that the present Agreement shall automatically come to an end in any of the following eventualities:

(i) On expiry of Authorization granted to the Member and the same having not been renewed or the same having been not granted by MPCB.

(ii) On expiry of the present Agreement where no fresh agreement is signed and executed between parties hereto as mentioned above.

(ii) On Authorization to 'MEPL' being cancelled refused or not granted by MPCB. In such case MEPL will inform the generator immediately.

4 MEMBERSHIP

4.1 The membership under this agreement is **Not Transferable** in any manner whatsoever.

5 TRANSPORTATION

5.1 As agreed herein above, 'MEPL' shall provide Dumpers / Tractors / Trucks duly authorized by 'MEPL' / 'MPCB' to the Member for transporting its Hazardous Waste to the disposal site of 'MEPL' at the cost of the Member.

5.2 The 'Transportation Charges' per MT per km from disposal site to the destination and back to disposal site will be as per the rate list fixed by 'MEPL' from time to time, which will be intimated to Member from time to time.



- 5.3 The generator will provide details of the waste by filling Form 10 as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and further amendments thereof.
- 5.4 The Generator will provide details of the Hazardous Waste & its characteristics regarding presence of explosive / ignitibility /corrosiveness/ toxicity/ odor in the manifest Form -10 as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and further amendments thereof
- 5.5 TREM Card i.e. form-9 to be duly filled & handed over to the Transporter.
- 5.6 In case of any false information provided by the generator, liabilities will lie on him as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 & amendments thereafter.

6 OBLIGATION OF THE MEMBERS

- 6.1 While entering into the present Agreement with 'MEPL', Member shall submit the categories of Hazardous Waste and its desire to dispose off the same and that the said categories of Waste shall be as per the parameters specified in the Schedule of Hazardous Waste (Management and Handling) Rules 1989, as amended from time to time. The member shall also give true and correct information related to the description, amount, nature and toxicity of Hazardous Waste Substance.
- 6.2 The Member will declare that it shall take all Primary Treatment arrangement at its premises for any toxic material that may be notified by 'MEPL' or MPCB or any other Authority prescribed under the relevant provisions of Law in this behalf for the time being in force, before disposing its Hazardous Waste to 'MEPL'
- 6.3 The Member is obliged to intimate 'MEPL' to send Dumpers / Tractors / Trucks duly authorized by 'MEPL' and on arrival of the same at the member's site, the member shall be responsible for loading its Hazardous Waste into the said Dumpers / Tractors / Trucks, at the member's own cost and within 4 (four) hours of the said arrival or less, as may be notified by 'MEPL' from time to time. If the detention of the said Dumpers / Tractor / Trucks at the member's site exceeds the notified period, there shall be levied detention charges per an extra hours and part thereof to the respective member at the rate which may be fixed and/or revised by 'MEPL' from time to time.
- 6.4 Before Hazardous Waste is loaded in the vehicles of 'MEPL', the Member shall ensure that the said waste is packed in a manner suitable for transportation. The packing cost will be borne by the member.
- 6.5 If and when an accident occurs while loading Hazardous Waste at the Member's site, the Member availing facility shall immediately report to MEPL and MPCB about the accident.



- 6.6 MEPL will not send the Hazardous Waste Vehicles for Waste Lifting to the Member Industry if the membership is expired. If the Member Industry send the Hazardous Waste by the authorized transporter the same will be returned back by the MEPL facility
- 6.7 MEPL will not send the Hazardous Waste Vehicle to the Industry if there is outstanding towards the disposal charges. Similarly if the Member Industry send the Hazardous Waste by the authorized transporter the same will be returned back by the MEPL Facility.
- 6.8 In case of improper packing and loading of waste resulting in Spillage and leakage MEPL will not be held responsible and the Member Industry will be held responsible for any liabilities arising out of this non-compliance.
- 6.9 In case the Member Industry is availing the services of Authorized Transporter MEPL will not be liable of any consequences arising out of non-compliances as per the HW Rules 2016 and amendments.
- 6.10 MEPL will not accept the Hazardous Waste if the Member Industry is availing the services of the authorized Transporter and there is any shortfall in the compliance part legally as per the Hazardous Waste Rules 2016 and amendments and the Motor Vehicle act.
- 6.11 The Member Industry is bound to follow the online manifest system and any deviation on the part will result in non-acceptance of the vehicle till the time the documents are rectified and MEPL is satisfied.
- 6.12 The Member Industry will not load multiple waste in the same vehicle unless and until it is approved by MEPL. Any mishaps occurring during transportation or at the MEPL site it will be the legal liability of the Member Industry.
- 6.13 The Member shall comply with the provision of Environment (Protection) Act, 1986 and the Hazardous Waste Rules as amended from time to time as also with the condition of the present agreement and that any breach of this agreement committed by the member will allow MEPL to terminate this agreement.
- 7 COMPREHENSIVE ANALYSIS OF WASTE
- 7.1 The Composite sample for the Comprehensive analysis will be drawn and analyzed at MEPL laboratory. The analysis charges as per the rate informed by MEPL for this purpose shall be borne by the respective Member only. The Member Industry will accept the CAR report shared by MEPL and will accept the disposal pathway and the disposal rate shared by MEPL.
- 7.2 The Member shall be bound by the analysis result / reports of 'MEPL' for disposal charges and shall not call the same in question for any reason whatsoever.



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8 FINGER PRINT ANALYSIS

- 8.1 Once the Industry becomes our member and sends waste for disposal, MEPL shall conduct a Finger Print Analysis (FPA) on the waste/ wastes (if more than one category of waste is loaded with the consent of MEPL). MEPL shall accept the waste for disposal only if the result of the FPA matches with Comprehensive Analysis Report of the waste. The Comprehensive Analysis and the Finger Print Analysis of waste is done according to the Hazardous Waste Management Series: HAZWAMS/..... /2009-2010 Protocol for Performance Evaluation and Monitoring of the Common Hazardous Waste Treatment Storage and Disposal Facilities including Common Hazardous Waste Incinerators issued by Central Pollution Control Board, Delhi. The requirement of Comprehensive Analysis and Finger Print Analysis is mandatory as per the TSDF guidelines of CPCB and as per the consent conditions issued by SPCB to MEPL.'

9 DISPUTE WASTE RESOLUTION

- 9.1 In case the Comprehensive Analysis and the Finger print analysis for a particular waste coming from an industry does not match the waste will be considered as a dispute.
- 9.2 Further to this if member industry sends a waste consignment and that is disputed and informed to the concern industry, the industry will have to confirm the acceptance of the disputed consignment along with the acceptance of the commercial impact.
- 9.3 As the Member Industry has agreed the mode of the disposal on the comprehensive analysis of MEPL they will have to accept the Finger print Analysis result of MEPL and MEPL will not accept any third part result for the dispute resolution.
- 9.4 In case the Industry does not agrees for the dispute they have to depute their authorized representative to the facility for joint sampling and reanalysis. If the result arrived is as per the finger print results already shared with the industry it will immediately accept the discrepancy as well as the cost of disposal. Once the same is received by the facility they will dispose the waste as per the assigned pathway.
- 9.5 Any dispute should be resolved within 24 hours and failing to this would demand vehicle holding charges as applicable.
- 9.6 If the same is not cleared within 48 hours then the Member Industry will have to bear demurrage charges @ Rs. 50 / MT / Hour. The same will be reviewed and informed to the member Industry time to time.
- 9.7 Any Waste that is disputed will not be sent back to the Member Industry and dispute has to be resolved legally & amicably for the final Scientific Disposal.



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- 9.8 The Member Industry has to fill the manifest properly as per the Waste name and category number mentioned in our comprehensive analysis. Any deviation will result in dispute and the vehicle will be cleared only once the manifest is corrected online and MEPL is satisfied. Any vehicle that is kept on hold for more than six hour will attract @Rs.50/MT/hour. The same will be reviewed and informed to the member Industry time to time.
- 10 QUALITY
- 10.1 The Member hereby covenants to see that its Hazardous Waste shall, under all circumstances, confirm to the norms specified by MPCB and as prescribed under the provisions of law for the time being in force.
- 10.2 The Member shall not send in any case, Hazardous Waste containing toxic materials exceeding the limits of concentration as specified in The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and further amendments thereof or that may be notified by the Regulatory Authority/MEPL/MPCB from time to time.
- 11 QUANTITY
- 11.1 Subject always to the availability of space with 'MEPL', the member agrees to send on firm basis to 'MEPL', its own Hazardous Waste subject to minimum _____ MT/ Yr. which will be called the contracted minimum quantity
- 11.2 If the member sends the Hazardous Waste at the rate less than 60% of the aforesaid contracted minimum quantity, the member shall be liable to still pay to 'MEPL' for the 60% of the minimum quantity.
- 11.3 If the generation of Hazardous waste of the member increases due to expansion in the capacity and thus increases the Capital Investment of the member, the member will have to pay additional membership deposit as per the rate list, if he shifts in a higher bracket as per the rate list.
- 12 BILLING AND PAYMENT OF DISPOSAL CHARGES
- 12.1 The rate list in respect of providing the services by MEPL has been duly approved and agreed by the member and member undertake and agrees to pay MEPL as per the rate prescribed in the rate list. The rate list prevailing as on the date of execution of the present agreement is annexed here with as annexure A1 to this agreement and it shall be the part and parcel of the present agreement. It is further mutually agreed that the said rate & the rate list is subject to change as enumerated here in under clause pertaining to escalation.
- 12.2 The member shall effect arrangement to make the payment of interest free deposit as per the rate list. The said rate amount of interest free deposit will be adjusted against the waste disposal charges whenever the generator desires to withdraw due to non-generation of Hazardous Waste amended in the consent by MPCB /Closure of facility at our end and the balance amount will be refunded to the member forthwith.



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- 12.3 'MEPL' shall charge the Member on the basis of weighment to be done at disposal site at the rates as per rate list. If the Weigh Bridge at disposal site is not working, it will be weighed at outside Weigh Bridge approved by 'MEPL'.
- 12.4 The member covenants that the charges for the disposal of its Hazardous Waste as notified by 'MEPL' shall be subject to revision during the currency of this Agreement and as and when the revision is called for, 'MEPL' shall inform the Member in advance. The revision in the charges shall be done as per the escalation clause given as below: -

Material Component	POL Component
K1	K2
50%	50%

(A) Formula for Materials Component

$$V1 = P \times (K1)/100 \times (i-i_0)/i_0$$

Where,

V1 = Amount of price variation Rupees to be applied.

P = Base Rate

K1 = Percentage of material component as indicated above

i_0 = Basis wholesale price index determine and published by the Reserve Bank of India from time to time, as above on the date 30 days preceding the last date prescribed for the receipt of proposal.

i = Average Wholesale price ascertained as above during the period under consideration, determine and published by the reserve bank of India from time to time.

(B) Formula for Petrol, Oil & Lubricant Component

$$V2 = P \times (K2)/100 \times (P1-P_0)/P_0$$

Where,

V2 = Amount of price variation Rupees to be applied.

P = Base Rate

K2 = Percentage of Petrol, Oil & Lubricant component as indicated above

P1 = Average price of H.S.D. at the nearest petrol pump to the project site during the period under consideration.

P0 -

Average price of H.S.D. at the nearest petrol pump to the project site on the 30 days preceding the last date prescribed for the receipt of proposal.



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- 12.5 The member shall immediately upon the receipt of the bill from the 'MEPL', make the payment on or before the due agreed by both the Parties either by Valid Purchase Order or written communication agreed by both the parties. In case of delayed payment interest at the rate of 18% per annum shall be charged by 'MEPL'.
- 12.6 It is hereby agreed by and between the parties hereto that delayed payment means any payment not received within the stipulated due date of any invoice raised against the Member by 'MEPL'. 'MEPL' reserve its right to discontinue the arrangement under this agreement on account of non-payment of any of its outstanding amounts in due course.
- 12.7 All payments towards membership deposit, analysis charges, disposal and transportation charges will be accepted by electronic mode of payment like NEFT/RTGS only.
- 13 DEFAULT
- 13.1 If the Member fails and /or defaults in the discharge of any of his obligation under the present Agreement, the 'MEPL' shall have discretion to (i) refuse to accept Hazardous Waste of the Member for disposal without assigning any reason, and / or (ii) notify to the MPCB the name of the Member informing about such default and that its Hazardous Waste would not be taken for disposal by 'MEPL' on account of such deemed to cause pollution and that the Member be liable as polluter under the Pollution Laws, and/or, (iii) notify to MPCB to take such action as may be deemed necessary in respect of such member.
- 13.2 'MEPL' reserve its right to accept or refuse membership. In event of Member committing any breach/violation of the condition of the present Agreement or any provision of Law/Act/Rules for the time being in force, 'MEPL' reserves its right to suspend/cancel the membership for such period as it deem fit without giving any reason or prior notice.
- 13.3 'MEPL' shall inform the MPCB and/or concerned authority about the same in the event of discontinuation of the membership of any member.
- 13.4 The suspension / termination shall be revoked only at the sole discretion of 'MEPL' after it is satisfied that its conditions have been met.
- 14 TRANSFER OF RIGHTS
- 14.1 'MEPL' may at any time transfer or assign its rights and obligations under the AGREEMENT to any other company or business concern by giving intimation in writing to the Member. Upon such transfer or assignment, only the transferee or assignee shall be liable for the obligations herein contained.



Sign Seal (Member)



Sign Seal (Member Unit)

15 PREVIOUS CORRESPONDANCE

15.1 No references of discussions and meetings held and correspondence exchanged between all parties in respect of the Agreement and any decisions arrived at therein in the past and before the coming into force of the present AGREEMENT will not be a part of this agreement. No reference of such discussions should be interpreted with the present Agreement or otherwise.

16 ARBITRATION

16.1 In case of any dispute or difference of opinion arising out of the present Agreement, the matter shall be referred to an Arbitrator mutually agreed upon by the member and the 'MEPL', whose decision on the issue shall be final and binding on both the parties.

17 LAWS GOVERNING THE AGREEMENT

17.1 The present Agreement shall be subject to Indian Laws, rules and regulations and notifications etc. issued under such laws.

18 AMENDMENTS

18.1 'MEPL' has at any point of time make suitable change in the present Agreement after serving a notice to the said Member & after mutually agreeing to the amendments.

19 TERMINATION OF AGREEMENT

19.1 'MEPL' has the unrestricted right to terminate this AGREEMENT by producing 30 days notice and deduct its all pending claims from the deposit of the MEMBER.

19.2 Second Party can terminate this Agreement after giving a written Notice of at least 30 days to the other party. The provision relating to minimum charges shall be applicable, also during the notice period.

20 JURISDICTION

20.1 Subject to the provisions of Clause - 15 of the present Agreement, 'MEPL' and the Member mutually agree that the Civil Court at Nagpur only shall have jurisdiction for all the disputes/differences arising out of this Agreement.

20.2 The addressees of the parties hereto unless changed by written notification to be given at least 15 days in advance by registered letter prior to proposed date of change, shall be as follows:



Sign Seal (Member Unit)



Sign Seal (Member Unit)

First Party:
MAHARASHTRA ENVIRO POWER LIMITED (Nagpur Unit)

Reg. Office:
20, IT Park Gayatri Nagar,
Parsodi, Ranapratap Nagar,
Nagpur 440022.

Site Office:
Plot No. CHW-01, Village Mandwa,
MIDC Butibori
Dist. Nagpur - 441122.

Second Party:
BENZO CHEM INDUSTRIES PVT. LTD.(OLD)

Reg. Office:
C-31 to C-36 & B-35, 3rd Floor, C Wing, 224,
Mittal Court, Jammalal Bajaj Marg, Nariman
Point Mumbai - 400 021..

Site Office:
Plot No. B - 26,27 & B-14,15, MIDC Area ,
Dasarkhed, Tal. Malkapur, Dist. Buldhana
-443101.

IN WITNESS WHEREOF the parties hereto acting through their properly constituted representatives have set their hands to cause this AGREEMENT signed and executed in their respective names and on their behalf.

For and on behalf of MEPL

Name: Prashant Maske
Designation: Unit Head
Address: CHW-01, Village Mandwa
MIDC Butibori
Dist Nagpur 441122.

Witness

1
Name: Hemant Kale
Designation: Manager Marketing
Address: CHW-01, Village Mandwa
MIDC Butibori
Dist Nagpur 441122.

2
Name: Rajesh Kumbharkhane
Designation: Marketing Officer
Address: CHW-01, Village Mandwa
MIDC Butibori
Dist Nagpur 441122.

For and on Behalf of MEMBER

Name: Pralhad P. Zope
Designation: Director
Address: B-26, 27 & B-14, 15
MIDC Area, Dasarkhed
Malkapur - 443101

1
Name: D. D. JOSHI
Designation: Accounts Manager
Address: B-26, 27 & B-14, 15,
MIDC Area, Dasarkhed,
Malkapur - 443101

2
Name: D. S. DHAKE
Designation: HR Manager
Address: B-26, 27 & B-14, 15,
MIDC Area, Dasarkhed,
Malkapur - 443101



WASTE MANAGEMENT & HANDLING SERVICE CHARGES OF CHWTSDF BUTIBORI NAGPUR.
MEMBERSHIP DEPOSIT SLAB:

CATEGORY	RED	RED	ORANGE	ORANGE
Capital investment less than 60 Lakhs	MIDC	NON MIDC	MIDC	NON MIDC
60 Lakhs to 1 Crore	20000	30000	10000	15000
1 - 5 Crores	35000	50000	20000	25000
5 - 10 Crores	75000	100000	40000	50000
10 - 50 Crores	100000	150000	50000	75000
50 - 100 Crores	150000	225000	75000	110000
100 - 200 Crores	200000	300000	100000	150000
200 Crores and above	300000	450000	150000	225000
	500000	750000	250000	375000

The generator has to pay the following charges for availing the services provided by MEPL:

AS PER QUOTATION/TECHNO COMMERCIAL OFFER (TCO) ISSUED BY MEPL

SAMPLE ANALYSIS CHARGES RS. 9500 PER SAMPLE

CONDITIONS FOR MEMBERSHIP:

Membr

- The membership deposit is one time refundable deposit. The membership deposit will be adjusted against the waste disposal charges, whenever the Generator desires to withdraw.
- Your membership can be used for disposing wastes at the CHWTSDF on a "user-pay-principle" against payment for disposal of wastes generated by your industry.
- This is valid only for disposal of Hazardous waste & shall not accept any other radioactive wastes, municipal wastes, Bio medical waste.
- Acceptance of wastes is dependent on the fulfilment of regulatory & statutory guidelines for operations of CHWTSDF issued from time to time.
- Pathway of Disposal of waste & its price shall be decided based on the guidelines issued from time to time & shall be at the discretion of CHWTSDF, as mutually agreed/and accepted by the party.
- Container requirement is dependent on member demand. Kindly discuss on the maintenance charges as applicable.
- Loading to be done by the generator.
- GST applicable on all above charges @18%

PAYMENTS:

All

All bill payments should reach to MEPL office within 15 days from the date of issue of bill.



Sign Seal (Member Unit)



Sign Seal (Member Unit)



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:

MPCB-HW_ANNUAL_RETURN-0000054742

Submitted On:

12-06-2025

Industry Type :

Generator

Submitted for Year:

2025

1. Name of the generator/operator of facility

BenzoChem Industries Private Limited.

Address of the unit/facility

Plot No. B-26,27 & B-14,15 MIDC Area
Dasarkhed, Tal: Malakpur, Dist: Buldhana

1b. Authorization Number

Format1.0/CC/UAN No.MPCB-CONSENT-0000145878/CO/2304000668

Date of issue

Apr 12, 2023

Date of validity of consent

Sep 30, 2026

2. Name of the authorised person

Pralhad Zope

Full address of authorised person

Plot No. B-26,27 & B-14,15 MIDC Area
Dasarkhed, Tal: Malakpur, Dist: Buldhana

Telephone

9370327217

Fax

07267-262341

Email

zope@benzochem.co.in

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

Product Type *	Product Name *	Consented Quantity	Actual Quantity	UOM
Agrobase	2,5 Di Methyl Phenyl Acetyl Chloride	1644.0000	108	MT/A
Agrobase	Ortho Chloro Phenyl Acetic Acid	1644.0000	157.007	MT/A
Agrobase	Para Chloro Benzyl Cyanide	1644.0000	89.450	MT/A
Agrobase	Para Chloro Phenyl Acetic Acid	1644.0000	57.450	MT/A
Agrobase	2,4,6 Tri Methyl Phenyl Acetyl Chloride	1644.0000	120	MT/A
Agrobase	Ortho Methyl Benzyl Chloride	1644.0000	45	MT/A
Pharmaceuticals(excluding formulation)	2,4 Di Chloro Benzyl Cyanide	960.0000	216.700	MT/A
Pharmaceuticals(excluding formulation)	Meta Chloro Benzyl Cyanide	960.0000	258.732	MT/A
Pharmaceuticals(excluding formulation)	Methyl 2-Chloro Phenyl Acetate	960.0000	36.255	MT/A
Pharmaceuticals(excluding formulation)	Ortho Chloro Benzyl Chloride	960.0000	52.433	MT/A
Pharmaceuticals(excluding formulation)	Ortho Methyl Phenyl Acetic Acid	960.0000	15.912	MT/A
Pharmaceuticals(excluding formulation)	Para Methyl Benzyl Chloride	960.0000	29.200	MT/A
Pharmaceuticals(excluding formulation)	Meta Chloro Benzyl Chloride	960.0000	1.272	MT/A
Pharmaceuticals(excluding formulation)	Ortho Chloro Benzyl Cyanide	960.0000	43.801	MT/A
Pharmaceuticals(excluding formulation)	Ortho Methyl Benzyl Cyanide	960.0000	26.200	MT/A
Pharmaceuticals(excluding formulation)	2 - Phenyl Acetyl Chloride	960.0000	2.200	MT/A

PART A: To be filled by hazardous waste generators

1. Total Quantity of waste generated category wise

Type of hazardous waste	Waste Name	Consented Quantity	Quantity	UOM
20.3 Distillation residues	Distillation Residues	222.000	36.460	MTA
35.3 Chemical sludge from waste water treatment	ETP Sludge	36.000	11	KL/Anum
37.3 Concentration or evaporation residues	MEE Salt	840.000	108.970	KL/Anum
			MTA	

2. Quantity dispatched category wise.

Type of Waste	Quantity of waste	UOM	Dispatched to	Facility Name
20.3 Distillation residues	36.460	MTA	Disposal Facility	MEPL, Butibori Nagpur.
35.3 Chemical sludge from waste water treatment	11	MTA	Disposal Facility	MEPL, Butibori Nagpur.
37.3 Concentration or evaporation residues	108.970	MTA	Disposal Facility	MEPL, Butibori Nagpur.

3. Quantity Utilised in-house, If any

Type of Waste	Name of Waste	Quantity of Waste	UOM
	NA	00	MTA

4. Quantity in storage at the end of the year

Type of Waste	Name of Waste	Quantity of Waste	UOM
20.3 Distillation residues	Distillation Residues	00	MTA
35.3 Chemical sludge from waste water treatment	ETP Sludge	00	MTA
37.3 Concentration or evaporation residues	MEE Salt	00	MTA

5. Quantity disposed in landfills as such and after treatment

Type	Quantity	UOM
Direct landfilling	NA	MTA
Landfill after treatment	NA	MTA

6. Quantity incinerated (if applicable)

UOM
NA
MTA

Personal Details

Place	Date	Designation
Dasarkhed, Malkapur	2025-06-12	G.M.Works



Health, Safety and Environment Policy

Vision

We will seek to minimize our working impact on the environment in all our operations. Benzo Chem is committed to providing a working environment that is safe and environment friendly, with all of our employees and partners being required to demonstrate exemplary behavior in the field of HSE.

Commitment

We are committed to:

1. Standardizing and enforcing HSE policies and procedures
2. Control and continuous improvement in the HSE performance at all levels
3. Ensuring compliance with regulations
4. Embedding an HSE-driven culture
5. Building strong HSE knowledge, awareness and capabilities
6. Enacting emission reduction measures to minimize environmental impact

Each of our business units must take responsibility for HSE excellence, consistent with the principles of subsidiarity evoked in the Group Charter.

Policy

We shall operate in a manner to continually improve Environment, Health & Safety Performance of the Organization and protecting the environment by Prevention of Pollution and initiating actions against identified Contexts during Manufacture of Intermediates for Pharmaceuticals, Agrochemicals and Specialty Chemicals

- Abide by applicable Compliance Obligations and other relevant requirements and emphasis on continual improvements and preventive measures for environment, Health and safety.
- Eliminate Environmental, Health & Safety incidents.
- Minimize the risks when handling, storage, processing of products and carrying out various processes.
- Conserving Natural Resources, minimizing Waste generation and recycle / reuse of waste where feasible.
- Communicating & insisting all interested parties to carry out their tasks in safe and environment friendly manner.

Date: 01st January 2017

Director

EXTERNAL SAFETY AUDIT REPORT



M/s. BENZO CHEM INDUSTRIES PVT. LTD.

B-26 27/B-14 15 MIDC Area,
Dasarkhed, Malkapur, Buldana, Maharashtra

DATE: 18.07.2025



The Safety Confederation of India

PLOT NO. 9A, VINAYAK NAGAR, NEAR SANT GADGE NAGAR

HINGNA ROAD, NAGPUR – 440036.

MOBILE: 8329570624, PHONE NO.0712-2244948

Email: safetyconfederationofindia@gmail.com

Acknowledgement

We give sincere thanks and gratitude to the management of **M/s. Benzo Chem Industries Private Limited.** for giving us the opportunity to carry out the safety audit at the plant located at **Malkapur.** We also pay our special thanks to HR & Safety department for their help and sparing time for the discussion and their deep concern towards the task is highly appreciable. Our sincere thanks to the all department who gives us full co-operation to reach each corner of the plant and provide all relevant information.

We also express our Special thanks to Plant head and employees with whom we interact and with their open and positive attitude we can able to gather objective evidences which are shown to concern Auditee and after their acceptance given in the form of findings in the report.

Thanks to all once again

About Team:

Dnyanesh Mase:

Qualification:

- Mechanical Engineer & Advanced Diploma in Industrial safety from Central Labour Institute, Mumbai, Govt. of India.
- Competent Person under The Maharashtra Factories Rules 1963
- Safety Auditor approved by DISH - (MS/DISH/SA/M-001/2020)
- Chartered Engineer (Mechanical Engineering)
- Safety Auditor trained from National Safety Council, Mumbai
- Lead auditor ISO 14001 and Lead Auditor OHSAS 18001.

Experience:

More than 24 Years of working in Construction Industry, Steel Industry, Logistic and Engineering industry.

Member of:

- Member of Institute of Engineers (India)
- Life member for Indian Society of Non-Destructive Testing (LM 6225 NP)

Amol Vatsal:

Qualification:

- PG Diploma in Sustainable Environment Management from SIES IEM, Mumbai (Part Time)
- 2004 Advance Diploma in Industrial Safety from Central Labour Institute, Mumbai
- 2000 Electrical Engineering from Nagpur University

Experience:

- Persuasive & Influential Professional with nearly 23 years of rich & extensive experience in FMCG, Auto, Construction, Chemical & Consulting Sectors

Sanjay P. Diwate**Qualification:**

- Advanced Diploma in Industrial Safety (ADIS) by MSBTE, from K.K. Wagh Polytechnic, Nashik
- Post Graduate Diploma in Materials Management from Bhartiya Vidya Bhavan, Nagpur; adjudged as Gold Medalist & Best Student
- M.B.A in Personnel & Finance Management from Dr. Babasaheb Ambedkar College of Management Studies, Nagpur, Nagpur University
- 1996 B.Tech. in Chemical Engineering from Laxminarain Institute of Technology, Nagpur, Nagpur University

Experience:

Sr Safety Assessor with DNV Business Assurance SCPA Energy & Safety Division since November 2023. Have conducted H&S audits and training for Ultratech Cement Ltd plants at multiple locations as well as VSAP audit for Vedanta Ltd manufacturing plant based on the organization protocol. Conducted ABGSAP audits at Aditya Birla Group Textile Plants and also Indian Hotel Company Ltd (Tata Group) for FLS audits.

For The Safety Confederation of India

Dnyanesh Mase

Safety Auditor

About The Safety Confederation of India:

It is our immense Pleasure to introduce our company as a, Safety & Risk Management Consultancy Organization. We have mission to safeguard people, processes, and the environment by assisting our clients in maintaining the safety of their operations. Our mission is accomplished through systematic identification of safety-related deficiencies, and the development of risk-minimizing solutions as per statutory & legal requirements and beyond that which are cost-effective and based on sound engineering principles.

We offer following Consulting services for Industries like Refineries, Petrochemicals plants, Oil & Gas, Chemical & Pharmaceutical Plants, Engineering Plants, Cement Plants, Power Plant, Sponge iron plant etc.

For The Safety Confederation of India

Dnyanesh Mase
Safety Auditor

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*Audit documentary evidences maintained with company.

SCHEDULE II
(See rule 8 and 9)
Proforma for Safety Audit Report

Sr. No.	Questionnaire	Remark
1	Name and address of the factory	M/s. Benzo Chem Industries Private Limited. B-26 27/B-14 15 MIDC Area, Dasarkhed, Malkapur, Buldana, Maharashtra.
2	Name of the occupier	Mr. Sunil Shantilal Nawal
3	a) Date & time of opening meeting of safety audit b) Date & time of closing meeting of safety audit c) Total man days taken to conduct the safety audit	18.07.2025 19.07.2025 Six - Man Days
4	List of raw material with maximum storage quantity & its mode of storage	As per consent condition
5	List of finished products with maximum storage quantity & its mode of storage	As per consent condition
6	Manufacturing process flow chart (attach separate sheet)	Attached
7	List of dangerous operation carried out in the factory as defined in rule	Nil
8	P.I. Diagram of all plants (Chemical Factories)	NA
9	a) Name/s of the Safety Auditor/s b) Certificate No. and its validity duration	Auditor Name: Dnyanesh D. Mase - Mechanical Engineer Amol S. Vatsal - Electrical Engineer Sanjay P. Diwate - Chemical Engineer Certificate No.: MS/DISH/SA/D-01/2024 Issue date : 16.10.2024 Valid till : 15. 10.2026
10	Whether enclosed safety audit report as per IS14489 or any such standards prevailing at the relevant time whichever is latest	As per IS 14489:2018

Amol Vastal
(Electrical Engineer)

Dnyanesh Mase
(Mechanical Engineer)

Sanjay Diwate
(Chemical Engineer)

Signature of Safety Auditor/Person or employee of an Institution authorized to carry out safety audit
I (Occupier) undertake to submit the action taken report on recommendations of Safety Audit on or
before.....

Signature of the Occupier

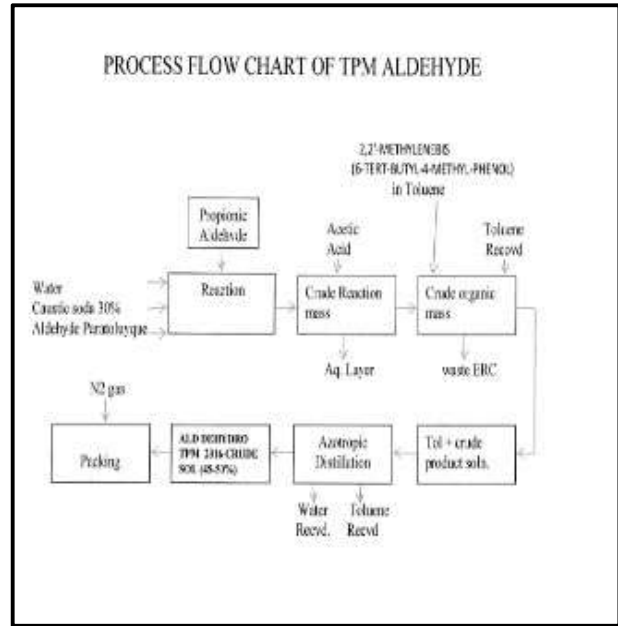
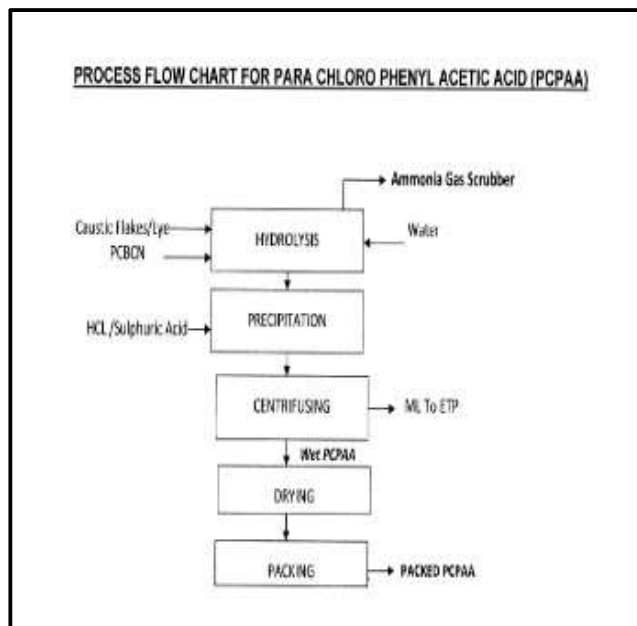
SECTION 1: EXECUTIVE SUMMARY

1.1 THE ASSIGNMENT

1.1.1 GROUP OVERVIEW

Benzo Chem Industries Pvt Ltd has a manufacturing unit located in Dasarkhed MIDC, Malkapur, in the Buldhana district of Maharashtra. The company is part of the Mohatta Group and produces intermediates for the pharmaceutical, agrochemical, and specialty chemical industries

Process Flow Diagram:



Chemical Information

Sl. No.	Product	Production Quantity	STOCK
1	Para Chloro Phenyl Acetic Acid (PCPAA)	127	MTM
2	Propionic Aldehyde	12	MTM
3	2,2'-Methylenebis[6-Tert-butyl-4-Methyl-Phenol] in Toluene	46	MTM
4	Toluene	219	MTM

1.1.2 NEED FOR SAFETY AUDIT

The factory is engaged in Manufacturing of intermediates for the pharmaceutical, agrochemical, and specialty chemical industries the company having the employment worker limit of 500 as per the factory license. As company is employing workers more than 280 it is the legal requirement as per The Maharashtra Safety Audit Rule 2014 amendment 2024, it is legal requirement to conduct External Safety Audit once in two years. Accordingly, management has decided to conduct the external safety audit, management has taken all due cares regarding safety of the workers at all stages, but in spite of effort taken by the management about safety implementation, minor or serious accidents may occur in the factory results in loss of man days and reduction in production. Hence to minimize the accidents, to propagate the safety culture, to improve the condition at work, to bring safety awareness in the workers, to identify the opportunity for safety improvements on shop floor and to identify scope for improvements need for safety audit is a must.

The company has a clear commitment to meet the highest standards of quality goods without sacrificing safety and environmental regulations. During the course of the assignment, discussions were held with various officials of the company. The company has a clear commitment to meet the highest standards of quality goods without sacrificing safety and environmental regulations. During the course of the assignment, discussions were held with various officials of the company. From these dialogues it was quite evident that apart from the legal obligations the management of **M/s. Benzo Chem Industries Private Limited, B-26 27/B-14 15 MIDC Area, Dasarkhed, Malkapur, Buldana, Maharashtra** was really keen for improving the safety culture of the factory. It was, therefore, very prudently thought that if an independent assessment of the status of safety is carried out, it could help the management to identify the areas, and likely hood of any accidents which may take place in the factory. The future safety program could then be designed so as to take corrective actions for “Vulnerable conditions and Actions.”

We are having team of accredited safety auditor by state government, competent person under factories act & rules and is a consultant in the field of safety and conducts Safety Audit regularly. Audit team consists of experience experts and certified auditors from DGFASLI and NSC.

Top management of **M/s. Benzo Chem Industries Private Limited.** initiated this Safety Audit and engaged auditor for the same. The present Safety Audit is an off – shoot of the above considerations.

1.2 OBJECTIVES

This audit is conducted with the objectives to carry out a systematic critical appraisal of all potential hazards involving personnel, plant, services and operations method; and to ensure that Safety systems fully satisfy the legal requirements and those of the company's written safety policies, objectives and progress.

1.3 SCOPE

The scope of the audit is restricted to **M/s. Benzo Chem Industries Private Limited**. Plant only. The entire Audit plan including the scope of the audit and depth of the audit is designed to meet the client's specific safety needs, statutory requirements.

1.4 TIME SCHEDULE

The time schedule was finalized in the opening meeting for document verification, plant visits and discussion on the draft and cleared the scope and methodology to be adopted for the audit. Audit was carried out during **02.07.2025**.

1.5 AUDIT METHODOLOGY

Audit method and procedure as per Indian Standard 14489: 2018 is used to conduct the audit. The methodology is explained in detail in section Six and the same was explained to the senior management of auditee. Evidence is collected through discussion with plant personnel; documents verification and observation of activities and conditions in the areas of concern. Clues suggesting non-conformities are noted if they seem significant, even though not covered by check lists. As the purpose of audit is not to comprehensively check implementation of each safety system element, sample/test check information is collected for the implementation of each element of the safety systems. However, recommendations are not only to correct the observed non-conformity, but the implementation of the element as a whole. The audit was conducted by data collection through questionnaire; document verification and plant visit to observe the operations. The employees were contacted and discussions were held with department heads.

1.6 OBSERVATIONS AND COMMENTS

As the purpose of audit is not to comprehensively check, implementation of each safety system element, sample/test check information is collected for the implementation of each element of the SAFETY system. During plant visit observations for unsafe conditions/unsafe acts were carried out. Status of the following safety aspects noted and discussed with the concerned persons and comments recorded in the text of this with suggestions wherever appropriate.

- Health and safety policy.
- Safety and Health organization.
 - Safety department
 - Safety committee (s)
- Accident reporting, investigation and analysis
- Safety inspections
- Safety, education and training
 - Training
 - Periodic training/retraining
 - Safety communication/motivation promotion
- First aid
- Occupational health center
- General working conditions
 - House keeping
 - Noise
 - Ventilation
 - Illumination
- Hazard identification control
- Safe operating procedures (SOPs)
- Work permit system
- Waste disposal system
- Personal protective equipment's (PPE)
- Fire protection
- Emergency preparedness
- Plant layout and area classification
- Static electricity
- Pressure vessels (fired and unfired)
- New equipment review

- Lifting machines and tackle
- Mobile equipment and vehicular traffic
- Access
- Material handling
- Tank storage vessel area
- On – site gas cylinders storage area
- Transportation
- Communication system adopted in plant
- Statutory approvals

1.7 AUDIT EVIDENCE

Records of the evidence collected are maintained at site. After agree upon the Audit findings based on evidences points were finalized.

1.8 ACTION PLAN

Action on the safety audit report is most important. As the nature of recommendations covers number of aspects of the site activity all cannot be implemented immediately. However, with definite action plan, in a phased manner, the objective can be achieved.

1.9 CONCLUSION

The management has undertaken systematic safety study program. There is a need for introduction of formal safety systems designed to the safety needs of the site, backed by documentation, management support, strict administrative control, follow up and records. Internal inspections, training programs, Mock drills are to be carried out at regular intervals. It is observed that there is satisfactory system for compliance to the statutory requirements. There is regular follow up system towards the compliance of the statutory requirements and fulfilling occupier`s obligations. In conclusion the audit team finds the safety standard of the installations is GOOD to ensure the safe operations at site.

1.10 STRUCTURE OF THE REPORT

The methodology of the SAFETY AUDIT is described in Section 1.5. Audit Questionnaire collected data followed by audit check sheet is available in section 8. Compliance of statutory approvals status is described in section 9. The audit Recommendations, site visit observations and comments are in section 10 and it is concluded in section 11. The evidence collected is maintained separately at site itself by the company.

SECTION 2: INTRODUCTION

2.1 SITE



SECTION 3: AUDIT CONCEPT

- 3.1 Safety Audit is an important tool for identifying falling standards, areas of risks or vulnerability hazards and potential accidents in proposed and existing plants and processes for determining the action necessary to remove hazards before personal injuries or damage occur. The loss potential in the factory in particular is high and not restricted to large – scale incidents to accidents, fires, spillage of hazardous chemical explosions, toxic gas release and similar incidents. For example, failure or damage to cables and instrumentation equipment as the result of a minor incident has led to lengthy down time to plant, resulting in heavy financial loss. Also, loss potential is not confined to activities concerned with the production.
- 3.2 Safety Audit and inspections are necessary for all industrial activity. The Health and Safety performance of the Organization depends on Management control. Health and Safety must therefore be efficiently managed, if performance is to be effective. Improvement to Health and Safety performance can be stimulated by various means by including the following.
- 3.3 Moving from a reactive to a protective approach to Health and Safety issues i.e. not waiting for an accident, injury or loss to occur before acting. Identifying what exactly needs to be controlled and setting standards and performance measurements criteria.
- 3.4 Adopting the same disciplines to Management Control and Responsibility as are applied to financial or production management.
- 3.5 In short, successful Health and Safety Management requires commitment to a policy and program of continuous improvement by those in charge, together with a regular audit of that program, as an ongoing process.
- 3.6 Updating is the means by which information can be gathered in order to fulfill the requirement for review stipulated in the statute. It is the culmination of a series of activities, which make up and organizations Health and Safety program beginning with the policy statement from the Occupier, which is developed into systems and procedures by middle management for implementation by those carrying out the work of the organization.
- 3.7 Auditing examines each stage in the Health and Safety Management system by measuring compliance, with the controls the organization has developed with the ultimate aim of assessing their effectiveness and their validity for the future.
- 3.8 The Audit system is based on the code of practices on Occupational Health and Safety Audit; framed by the Bureau of Indian Standards (IS 14489: 2018)

SECTION 4: AUDIT OBJECTIVES

This audit is conducted with the following objectives:

- 4.1 To carry out a systematic critical appraisal of all potential hazards involving personnel, plant, services and operation method.
- 4.2 To ensure that SAFETY system fully satisfies the legal requirements and those of the company's written safety policies, objectives and programs.
- 4.3 Audits are designed to achieve the following goals:
- 4.4 To provide the auditee with an opportunity to assess its own SAFETY system standard and identify areas for improvement.
- 4.5 To determine the conformity of the implemented O S & H system with specified requirements and identify areas for improvement and
- 4.6 To meet regulatory requirements.
- 4.7 **The following aims were set for the Audit Team:**
 - To examine and evaluate the accident prevention measures.
 - To analyze the safety procedures, systems and practices.
 - To observe the working conditions and operating methods, including storage/handling of raw Materials/finished products.
 - To pinpoint occupational health hazard.
 - To check the adequacy of firefighting arrangements.
 - To study waste disposal arrangements.
 - To Comment upon various statutory compliance.

SECTION 5: SCOPE OF WORK

The scope of this report is restricted to **M/s. Benzo Chem Industries Private Limited.** Plant. All the departments are audited in the plant as per the audit plan.

The following locations/departments are considered during Audit as thrust area.

- Legal
- Safety & Environment
- Plant Process
- Maintenance
- HR & Admin
- Store
- Security

SECTION 6: AUDIT METHODOLOGY

6.1 The Indian Standard IS 14489: 2018 is used as basis for this audit.

6.2 Safety Audit subjects each area of a company's activity to a critical appraisal of all potential hazards. Every component of the total system is included, e.g. policy attitudes, training, features of the process and design, layout of the plant, operating, emergency plans, personnel protection, accident records etc.

6.3 AUDIT PLAN

The Audit plan is finalized after consultation with lead auditor and the client and communicated to the auditors and auditee.

The audit plan is kept flexible to suit site specifics, in order to permit changes in emphasis based on information gathered during the audit and to permit effective use of resources. The plan includes:

- The audit objectives and scope.
- Identification of reference documents (such as the applicable SAFETY System standard and the audit's description and specified requirements of their safety system.
- Size of the audit team.
- Identification of the organizational units is to be studied.
- The schedule for audit activities.
- The schedule of meetings is to be held with audit management.
- The list of documents is to be verified by the audit team
- Audit schedule.

Working Documents: The documents required facilitating the auditor's investigations and to document and report results include:

- Checklist used for evaluating SAFETY System elements (normally prepared by the auditor assigned to audit the specific element)
- Audit evidence copies of the document as supporting evidence.

6.4 ELEMENTS OF OCCUPATIONAL SAFETY & HEALTH SYSTEM

1	Occupational safety and health policy
2	Safety organizational set – up
3	Education and training
4	Employees participation in Safety management
5	Motivational and promotional
6	Safety manual and rules
7	Compliance with statutory requirements
8	New equipment review/inspection
9	Accident reporting analysis investigation and implementation of recommendations
10	Risk assessment including hazard identification
11	Safety inspection
12	Health and safety improvement plan/targets
13	First aid facilities - occupational health center
14	Personal protective equipment
15	Good housekeeping
16	Machine and general area guarding
17	Material handling equipment
18	Electrical and personal safeguarding
19	Ventilation, illumination and noise
20	Work environment monitoring system
21	Prevention of occupational diseases including periodic medical examination
22	Safe operating procedures
23	Work permit systems
24	Fire prevention, protection and fighting systems
25	Emergency preparedness plans (on-site/off-site)
26	Process/plant modification procedure
27	Transportation of hazardous substances
28	Hazardous waste treatment and disposal
29	Safety in storage and warehousing
30	Contractor safety systems
31	Safety for customers (including material safety data sheets)

6.5 TYPES OF RECORDS EXAMINED DURING THE SAFETY AUDIT

1	Safety policy
2	Safety organization chart
3	Training records on Safety fire and first – aid
4	Record of plant Safety inspections
5	Accidents investigation reports
6	Accidents and dangerous occurrences statistics and analysis
7	Record of tests and examination of equipment's and structures as per statues
8	Safe operating procedures for various operations
9	Record of work permits
10	Record of monitoring of flammable and explosives substances at workplace
11	Maintenance and testing records of fire detection and firefighting equipment
12	Medical records of employees
13	Records of industrial hygiene surveys (noise, ventilation and levels, illumination levels, airborne and toxic substances, explosive gases)
14	Material safety data sheets
15	On site emergency plans and record of Mock Drills
16	Records of waste disposal
17	Records of effluent discharges to the environment
18	Housekeeping inspection records
19	Minutes of safety committee meetings
20	Approval of layouts from statutory authorities
21	Records of any modifications carried out in plant or process
22	Maintenance procedure records
23	Calibration and testing records
24	Shut down maintenance procedures
25	In service inspection manuals, records including that of material handling
26	Safety budget
27	Inspection books and other statutory records
28	Records of previous audits
29	Safety in transportation of hazardous substances

Questionnaire of preliminary information about various elements of Safety system is prepared. This is to be filled in by the auditee, and returned to the audit team for study before the field visits.

6.6 KEY ON-SITE ACTIVITIES

Understanding management systems, factory processes, plant organization and responsibilities, compliance parameters and other applicable requirements.

Plant visits discussions with management personnel, supervisors and workers, Discussion with Factory Personnel. Specially designed internal controls questionnaire. Assessing strengths and weaknesses.

Collecting Audit Evidence, Record Reviews and Examination of available Data, applicable codes and standards, detailed plant descriptions such as piping and instrumentation drawings flowchart, plant procedures for start-up, shut down, normal operation and emergencies, personnel injury reports, hazardous reports, maintenance records such as

- Critical instrument checks, pressure relief valve tests, pressure vessel inspections process material characteristics.
- Plant visit observations as the purpose of audit is not to comprehensively check implementation of each safety system element; sample/test check information is collected for the implementation of each element of the safety system. However, recommendations are not only to correct the observed non-conformities, but the implementation of the element as a whole.
- In order to verify the status of inspection systems at site observations for unsafe conditions/unsafe acts are carried out such as follows:
 - Spillage of oil and material on floor
 - Machinery guarding
 - Poor lighting in some area
 - Excess dust
 - Short cuts
 - Not wearing personal protective equipment's
 - House keeping
 - Not following safety rules
 - Lack of classroom and on job training
 - Lack of motivation
- Evaluating audit evidence, Reporting audit findings

The desired end result of a safety audit is the identification of primarily unrecognized hazards in the light of experience and early recognition of shortcomings in the areas such as the maintenance and testing of

critical equipment. These recommendations are of two types: For improvement in the system`s specified requirements and for more effective implementation of the specified requirements of the system.

Purpose of the closing meeting with Auditee is to present audit observations and recommendations to the senior management is such so as to ensure that they clearly understand the results of the audit.

6.7 POST AUDIT ACTIVITIES

Action plans and follow – up.

SECTION 7: MANAGEMENT CO-OPERATION

The Safety Audit Team expresses deep gratitude towards the Management for giving them the opportunity to review the Safety Systems and share in the experience and expertise on this critical subject. This subject is of vital importance for the Welfare and Economic Prosperity of the Organization on the whole. The Management has, at every stage shown a positive approach while parting with information and while giving facilities to the Team for effectively carrying out the Safety Audit.

Sr. No.	Name of Officers	Designation
1.	Mr. Sunil Shantilal Nawal	Occupier
2.	Mr. Pralhad Pandarinath Zope	Factory Manager
3.	Mr. Lalit Chavhan	Safety Manager

Every effort has been made to ensure that all statements and information offered in this report are given in good faith and without bias or prejudice. They refer to conditions prevalent at the time of the Audit. All documents and procedures submitted to the Auditor have been verified. During the Audit no test were conducts nor were any tests started, not was any plant or equipment operated for the benefit of our Audit requirement.

Once again, the Safety Audit Team sincerely thanks the concerned Management personnel for all the courtesy and assistance rendered by them during the course of the above Safety Audit.

SECTION 8 : SAFETY AUDIT CHECKSHEET

8.1 RECOMMENDATIONS

The desired end result of a safety audit is the identification of primarily unrecognized hazards in the light of experience and early recognition of shortcomings in the areas such as the maintenance and testing of critical equipment.

Good Safety Practices:

These recommendations are of two types:

1. For improvement in the system`s specified requirements and
2. For more effective implementations of the specified requirements of the system.

The audit team makes following recommendations to the management to improve up on the Safety standards. Also, at the time of audit plant was under preventive maintenance activity & no production was carried out.

SAFETY AUDIT QUESTIONNAIRE

Q-1 OCCUPATIONAL HEALTH & SAFETY MANAGEMENT

Q-1.1 OCCUPATIONAL HEALTH & SAFETY POLICY

a	Does the organization have a occupational health and safety Policy?	Yes
b	Who has signed the occupational health & safety policy?	Signed by occupier
c	Whether the OH & S policy is per guidelines of the statutory provisions?	Yes
d	When was the OH & S policy declared and adopted?	05 November 2020
e	Whether the OH & S policy reviewed periodically?	Yes
f	Whether the OH & S policy is available in local language and made known to all?	Yes
g	What was the last date of updation?	05 November 2020
h	Does the policy find a place in the annual report?	Yes

Q-1.1 OBSERVATIONS

a	Safety policy is available in plant
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Q-1.1 COMMENTS

a	Safety Policy is available and found displayed in local language is in line with The Maharashtra Factory Rule 1963, R-73L. Also, can be circulated as a pocket calendar to all employees to increase awareness in employees.
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Q-2 OCCUPATIONAL HEALTH & SAFETY ORGANIZATION SET UP**Q-2.1 SAFETY DEPARTMENT**

a	Does the factory have a safety department and what is strength of safety department?	Yes, 02 Nos - Safety officers available.
b	Whether the strength and qualifications of safety officers are as per the statutes?	Yes
c	Does the head of Safety department report to the Chief Executive?	Yes
d	How often are the safety officers retrained in the latest techniques of total Safety Management? What is the frequency retraining?	01 Hour
e	What additional duties the safety officer is required to do?	No other duties than Safety
f	What is the power of safety officer vis-à-vis unsafe condition or unsafe act?	Intervening and stopping work if unsafe conditions or unsafe act are detected.

Q-2.1 OBSERVATIONS

a	Factory Manager controls the overall operations of the factory. Safety officer is controlling and in advisory support to factory management including monitoring of day – to – day safety activities of the factory.
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Q-2.1 COMMENTS

a	The factory has a separate safety department to take care of the industrial safety aspects of the factory. Qualified safety officers are available in the factory.
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Q-2.2 SAFETY COMMITTEE

a	Does the factory have a safety committee(s)? What are the types, structures and terms of reference of the committees?	Yes
b	Is the constitution of the safety committee (s) as per the statute?	Yes
c	How are the members of safety committee (s) selected? (elected/nominated)	Nominated
d	How often are the meetings of safety committee(s) held?	Quarterly, record needs to be maintained
e	Are the recommendations of the committee(s) implemented?	Yes, need to display on notice board
f	Are the minutes of safety committee(s) meetings circulated among the members?	Yes, through mail
g	Are the minutes forwarded to the trade union(s), CEO and Occupier?	Yes
h	Whether the management and trade union play their active role in supporting and accepting the committee (s) recommendation?	Yes
i	What are the subjects? Are the problems discussed in the meeting?	Yes
j	How are the safety committee(s) members apprised of the latest developments in safety, health and environment?	Yes

Q-2.2 OBSERVATIONS

a	Safety committee is available, needs to be formed in compliance with TMFR, 1963 R-73J.
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Q-2.2 COMMENTS

a	The suggestions/recommendations of the safety committee found compiled and safety systems need to be modified wherever necessary. Such compliance status should form part of the discussion in the following safety committee and recorded.
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Q-2.3 SAFETY BUDGET

a	What is the annual safety budget?	There is no limit for Safety related Expenses. Management is providing budget as per requirement.
b	How much percentage is this budget of the total turnover of the company?	NA
c	How much budget has been utilized till date?	NA
d	Is the safety budget adequate?	Yes
e	How is the safety budget arrived at?	Through approval of management
f	What is the pattern of expenditure for the last five years?	As per requirement
g	What are the approved sanctions for the expenditure in this budget?	Yes
h	Does this budget get reflected in the annual report of the company?	Yes

Q-2.3 OBSERVATIONS

a	Management is taking all measures to make sure to maintain the safety related things in time with proper approvals from top management
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Q-2.3 COMMENTS

a	All things related to safety activities in safety budget is available.
b	Expenditure on safety activity need to maintain. As and when required adequate provision is made if additional budget required. In fact, there is no constraints for safety related activities.

Q-3 SAFETY MANUAL

a	What is the periodicity of updation / review of safety manual?	Manual available as per Iso requirement.
b	Does the safety manual adequately address all the hazards in the plant?	Yes, review needs to be done regularly
c	Are the employee made aware of safety rules/ instruction mentioned in the safety manual?	Yes, Pocket type manual can be distributed

Q-3 OBSERVATIONS

a	Safety Manuals is available.
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Q-3 COMMENTS

a	Safety Manuals with do's and don'ts can be prepared in local language and distributed to workers to make them aware of safety rules/ instruction mentioned in the safety manual.
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Q-4 STANDARD OPERATING PROCEDURE (SOPs)

a	Are written standard/Safe operating procedures available for all operations and processes?	Yes, in English
b	Whether the written safe operating procedures displayed or made available and explained in the local languages to the workers?	Needs to be displayed in local language
c	Whether concerned section and safety department prepares standard / safe operating procedures jointly?	Need to form team for review of SOP's
d	Are standard / safe operating procedures reviewed and update?	Needs to be updated
e	Have the workers been informed of the consequences of failure to observe the safe operating procedures?	Awareness training give, record to be maintained
f	Whether contractor's workers are permitted on process / operations? Give details.	NA

Q-4 OBSERVATIONS

a	SOPs are available at work place in English language
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Q-4 COMMENTS

a	SOPs are available at work place in English language, needs to be prepared and displayed in local language.
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Q-5 PLANT MODIFICATION PROCEDURES

a	What is the system for effecting any change in the existing plant, equipment or process?	SOP for MOC needs to be prepared and adhered
b	Whether the P & I diagram and other related documents are updated accordingly?	Yes, documents to be maintained
c	Whether hazard assessment done before implementation of modification?	Yes, Quantitative risk assessment to be done

Q-5 OBSERVATIONS

a	Any modifications / changes in the process are got approved from the competent authorities and the hazard assessments done before the implementation of modification/changes in the process.	
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Q-5 COMMENTS

a	Process is being updated whenever the modification is done in plant, these changes need to be documented, equipment or process and hazard assessment needs to be done before implementation of modification and P & I diagram and other related documents is needs to be updated accordingly.	
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Q- 6 WORK PERMIT SYSTEM

a	What types of work permits exist in the factory?	Hot, Cold, Confined space working on Height available.
b	Are the necessary forms detailing required safety precautions have been prepared and used for each type of work- permit?	Yes, data needs to be maintained
c	Is the responsibility assigned to authorized person for issuing of safety work permit?	Yes, monitoring needs to be done
d	Is the copy of safe work permit sent to safety officer before execution of the job?	Yes
e	Is validity period specified in the safety work permit?	Yes, data needs to be maintained
f	Are the records of work permit available and maintained in proper order?	Records of Work Permit available, effective monitoring needs to be done

Q-6 OBSERVATIONS

a	The work permit system is available inside the plant.	
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Q-6 COMMENTS

a	SOP is available for implementation of work permit system inside the plant premises. Regular monitoring needs to be done for effective implementation of work permit system and safety measures mentioned
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Q-6.1 CONTROL MEASURES FOR WORK AT HEIGHT

a	Is adequate safe access provided to all places where workers need to work?	Yes, Old damaged roof sheets need to be replaced
b	Are all such access in good condition?	Needs to be provided for roof work
c	Are all scaffolds are properly designed and erected?	SOP need to be prepared and adhered
d	Are scaffolds inspected every day before work begins?	Green Tag / Red Tag system needs to follow with use of check sheet
e	Are ladders securely clamped or lashed in place?	Yes, hand railings to be provided as applicable
f	Are planks in good condition?	Check sheet to be used for monitoring
g	Are scaffold walkways, platforms, runs or stairs free of debris, grease any unnecessary obstruction and projecting nails?	Yes
h	Are the scaffolds higher than 20 m? If yes, is a netting or intermediates railing provided between toe-boards and hand railing?	NA
i	Are folding stepladders properly used?	NA
j	Are ladder set up at the proper slope of about 1:4?	NA
k	Do workers use hand lines to lift tools or materials?	NA
l	Are proper ladders used around electrical hazards?	NA
m	On sloping roofs, are crawling boards, lifelines, safety belts and edge protection provided where needed?	NA
n	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?	NA

o	Are the workers being medically examined for their fitness to work at height?	Needs to be done when work will start
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Q-6.1 OBSERVATIONS

a	Work permit system to work at height is available.
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Q-6.1 COMMENTS

a	No work to be carried out at height without a valid permit. All ladder, working platforms, scaffoldings etc. to be maintained in sound condition and working at height activities to be carried out by using suitable safety ladders, duck ladders, crawling boards, life lines, safety Harness, safety belt, Safety nets and other required PPEs as and when required. For working at height, the workers to be medically examined for their fitness. The provisions of section 32 C of the Factories act 1948 and the provisions of R-76 F (for fragile roof) of TMFR, 1963 for working at height to be followed when work is in process.
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Q-6.2 WORK IN CONFINED SPACE

a	Is work permit system followed for working in confined space?	Yes
b	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
c	Whether the person entering the confined space is using suitable personal protective equipment (PPE)?	Needs to be provided
d	Is rescue team is available in case of emergency?	Yes

Q-6.2 OBSERVATIONS

a	Confined space available in premises.
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Q-6.2 COMMENTS

a	The provisions of section 36 of TFA,1948 to be strictly compiled with for doing works in confined spaces. The workers to be provided with suitable PPEs including the breathing apparatus and life support system their use to be insisted upon.
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Q-7 CONTRACTORS SAFETY SYSTEM

a	Is there any system for selection of contractors?	Yes, performance monitoring record to be maintained
b	Are there any guidelines on contractor's safety and training?	Yes
c	Whether contract document includes necessary safety and welfare clause as per status?	Yes, conditions to be mentioned in work order
d	Is there any programme to ensure use of PPE by contractors' personnel?	Monitoring needs to be done. PPE matrix to be prepared based on process requirements
e	Do the contractors have their own safety organization?	No
f	Are the contractors reporting all accidents and injuries?	Yes
g	Are contractors' workers trained to observe safety at work place?	NA
h	Whether contractors' workers are engaged in process/operation? If yes, are they aware of safe operating procedure?	Yes

Q-7 OBSERVATIONS

a	Contractor safety system is partially available.
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Q-7 COMMENTS

a	The data regarding contractor Safety system needs to be maintained.
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Q-8 PLANT DESIGN AND LAYOUT

a	Whether hazardous operation in the plant is segregated?	Yes, plan approved by DISH
b	Whether occupational health & safety aspects are considered during the design?	Yes, quantitative risk assessment needs to be done
c	Are all the equipment provided with adequate space for working maintenance etc.	Yes, plans approved by DISH. Minimum 1 Mtr. distance to be maintained as per approval
d	Are the storage tanks provided with enough space clearance between them?	Yes

e	Whether the plant layout has taken care of the movement of firefighting equipment and emergency exits?	Yes, housekeeping needs to be maintained
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Q-8 COMMENTS

a	Hazardous operations in the plant are segregated	
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Q-9 MEDICAL MANAGEMENT OF ACCIDENTS

a	Are medical facilities available with trained first aid staff and equipment in round the clock shift for all including contractors?	Yes
b	Is the ambulance van available for round the clock basis with the dedicated driver?	Ambulance available
c	Is there any mutual aid scheme available with the nearest hospitals to manage and treat injuries during emergency?	Yes
d	Are the workers/contractor workers aware of emergency medical facilities?	Yes

Q-9 BSERVATIONS

a	First aid facilities available inside the plant.	
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Q-10 MANAGEMENT OF EMERGENCIES (NATURAL/ MAN-MADE)

a	Does the system exist to detect and control these emergencies?	On site emergency plan is available
b	Are the employee aware of the measures to be taken during emergencies?	Yes

Q-10 OBSERVATIONS

a	The system of management of emergencies is available	
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Q-11 EMPLOYEES SELECTION AND PLACEMENT

a	Whether norms are available for selection of different category of employees?	Yes, done through HR
b	Whether pre-employment medical examination is being conducted for employees?	Yes, record to be maintained
c	Is there any procedure to evaluate safety awareness and record of the employees during their promotion?	Process needs to be developed

Q-11 OBSERVATIONS

a	The process for Pre-employment medical examination of employees is available, record to be maintained	
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Q-11 COMMENTS

a	Medical examination of employees once in a year found done, needs to be carried out once in six months as per R-73V of TMFR, 1963.	
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Q-12 SAFETY CULTURE**Q-12.1 ATTITUDE OF MANAGER**

a	Do the manager follow the plant safety rules at all times?	Yes
b	What are their attitudes towards safety review and audits?	BBS survey needs to be carried out
c	What is the response of management to safety violation?	Take legal action
d	Whether safety related decisions are taken in consultation with the workers?	Yes
e	What is the attitude of the managers towards non-use of personal protective equipment?	To instruct workers to use PPEs

Q-12.1. OBSERVATIONS

a	Safety culture and awareness of worker related to safety at work place needs to increase.
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Q-12.1. COMMENTS

a	Safety rules, safety culture and manager attituded towards PPEs use needs to be increase.
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Q-12.2 ATTITUDE OF WORKERS

a	Whether workers are aware of the consequences of their wrong actions?	BBS training needs to be conducted and record to be maintained
b	Are laid down safe working procedures followed strictly?	Monitoring needs to be done
c	What is the attitude of the workers towards their own mistake, which can prejudice safety?	BBS survey needs to be carried out
d	Do the workers report near miss incidents and suggest safety improvements?	SOP is available
e	Are the workers aware of the system of rewards and sanctions relating to safety matters?	System needs to be developed
f	What is the attitude of workers towards use of PPEs?	Focus to be given towards use of PPEs

Q-12.2 OBSERVATIONS

a	Safe working procedure to be followed, BBS Survey needs to be carried out
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Q-12.2 COMMENTS

a	Attitude of workers towards use of PPEs needs to increase and insisted their use upon
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Q-13 STATUTORY LICENSES, APPROVALS AND RECORDS

a	Whether all the safety related Acts/ Rules (with latest amendments) applicable to your organization identified, informed to all employees and complied?	Yes
b	Whether the licenses have been validated?	Yes

Q- 14 MOTIVATIONAL AND PROMOTIONAL MEASURES FOR OH & S

a	Does the factory have OH & S suggestion scheme?	Yes, safety suggestion scheme available.
b	Are occupational health and safety contests organized in the factory?	Yes
c	Does the factory participate in National awards?	No
d	Has the factory been awarded during last five years?	No
e	Does the organization publish safety bulletin/ newsletters?	No
f	Whether the safety bulletins are widely distributed?	No
g	How is the occupational health and safety information including accident statistics disseminated in the factory? (Bulletin boards, Newsletters etc.)	No
h	What are the activities conducted during National Safety Day / week?	National Safety Day/ Week is celebrated and Safety Quiz / Safety Slogan / Safety Rally / Safety Poster / Firefighting training, Emergency Control Training activities are conducted.
i	What is the percentage of workers participating in the various safety promotional activities?	Participation needs to be increased

Q-14 OBSERVATIONS

a	Safety posters found displayed at prominent places to educate the employees about the hazards in that particular workplace
b	Safety suggestion scheme is available.

Q-14 COMMENTS

a	The shop floor serves the purpose of on job communication where the trained supervisors in turn train their teams. Safety posters to be suitable enough and inline with process safety to educate workers working on shop floor.
b	The practice of five-minute safety talk should be started for contractor employees including contractor workmen at regular intervals. The trust is being correct use of PPE, emergency procedures and housekeeping

Q-15 HAZARD IDENTIFICATION AND JOB SAFETY ANALYSIS

a	Was an initial process hazard analysis (PHA) completed?	Yes, Quantitative Risk assessment needs to be done
b	What are the stages of PHA? Whether a dedicated group is identified for PHA?	Yes, By QA Manager
c	Was the PHA appropriate for the complexity of the process and identify, evaluate, and control the hazards involved in the process?	Yes, but needs to consider activity and sub activity with quantitative method of HIRA
d	Does the hazard evaluation use one or more of the following PHA methodologies? What- If – Analysis, Process checklist, hazards and operability study (HAZOP), Failure mode and effects criticality Analysis (FMECA). Fault tree Analysis (FTA) or any other appropriate equivalent methodology?	Yes, Hazop needs to be validate. Also, MCLS to be done for chlorine storage area
e	Does PHA assures addressing issues inherent safety features with respect to material and their properties?	Yes, MSDS from manufacturer to be used for HIRA survey
f	Does the PHA address the hazard identification, incidents history, consequences of failures (engineering and administrative controls), human factors, consequents analysis with respect to possible safety and health effects of failure of controls?	Yes
g	What are the stages of PHA? Whether a dedicated group is identified for PHA?	QA Manager
h	Does the system exist to promptly address findings and recommendations of PHA?	Yes, Documents to be maintained for verification of implementation of projects
i	Are the PHA's update and revalidate at least every five years by a qualified team to assure that the PHA is consistent with the current process?	Yes
j	Whether the activities requiring job safety analysis have been identified?	Survey needs to be conducted
k	Whether the identified jobs for Hazard identification have been carried out by trained and experienced person?	Yes

I	Whether the checklists have been prepared on each job safety analysis and are being while carrying out the job?	Critical Process Parameter
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Q-15 OBSERVATION

a	Data regarding hazard identification and job safety analysis is available.
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Q-16 COMMENTS

a	A survey of quantitative hazardous process and hazardous area to be carried out, all hazards to be evaluated critically using JSA and HIRA or any other appropriate equivalent methodology. Checklist with respect to various plant activities to be prepared and followed. The activities requiring job safety analysis to be identified by trained and experienced person. The consequences of failure to be clearly identified and the control measures to mitigate the same can be displayed in the form of safety posters.
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Q-16 PRODUCT SAFETY

a	Whether hazards arising from use of the products are identified?	Yes
b	Whether material safety data sheet prepared for the products?	Yes
c	Are all the products labeled and packed appropriately?	Yes
d	Whether safety instructions are given along with products?	Yes
e	Whether policy exists for recall of products?	Yes

Q-16 COMMENTS

a	SOP and work instructions are available, regular modifications needs to be done according to manufacturing process.
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Q-17 SAFETY TRAINING

a	Whether training needs have been identified?	Yes, documents to be maintained for updated requirements specially for chemical handling
b	Is there any programme of induction training, its duration and topics covered?	Yes, basic safety covered
c	Whether the assessment of the trainees has been carried out?	Yes, evaluation record needs to be maintained
d	What are the infra – structural facilities available for training?	Training Hall with projector
e	Whether training is conducted by qualified person?	Yes, by safety department
f	Whether trainers are being re trained from time to time?	Yes
g	Whether proper records of training program conducted are maintained?	Evaluation record to be maintained
h	How training programs are evaluated?	Feedback by respective section head, needs to be documented
i	Whether schedule for training on occupational health and safety is available and maintained?	Need to prepare and adhered
j	Whether the training programmes are reviewed?	SOP is available
k	Are all the employees periodically trained/retrained and what is the frequency of such training?	Process need to start and record to be maintained
l	Are the retraining needs identified whenever a new process/product and change in existing process introduced?	Yes
m	Whether training covers top management?	Yes
n	How many hours of safety training is given to different employees?	2 Hours

Q-17 OBSERVATIONS

a	Adequate training facilities are available at site.
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Q-17 COMMENTS

a	Annual safety training calendar is available, needs to be updated.
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b	Training need identification, training record, feedback, training evaluation is to be maintained at plant.
c	Training of supervisory and operations personnel provides the most immediate opportunity to increase awareness on work places and ensures the competence of employees in performing their responsibilities. Training programs are the key to ensuring the effectiveness of maintenance programs, process and handling of materials. Legal requirements, working at height, housekeeping, firefighting and emergency response. Refresher training ensures that established employees are reminded of appropriate procedures periodically and of alterations that have occurred. To minimize the risk of accidents occurring because employees are unfamiliar with their assigned tasks, a successful training program for employees and contractors/casuals' workers are require to be conducted in specific in the plant. Initial and refresher training for all employees to confirm that all employees to confirm that all employees are competent to do their jobs safely; additional training after any change is made to the process or to the site overall; and formal documentation.

Q-18 CHANGE MANAGEMENT

Q-18.1 MANAGEMENT OF CHANGE

a	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?	SOP are available needs to be revised and adhered
b	Do the procedures assure that the technical basis for the proposed change addressed prior to any change?	SOP needs to be prepared
c	Do the procedures assure that the impact of the change on safety and health addressed prior to any change?	SOP to be prepared including formation of qualified team for review of SOP's
d	Do the procedures assure that modifications to operating procedures are addressed prior to any change?	SOP to be prepared including formation of qualified team for review of SOP's
e	Do the procedures assure that the necessary time period for the change is addressed prior to any change?	SOP to be prepared including formation of qualified team for review of SOP's

f	Do the procedures assure that the authorization requirements for the proposed change addressed prior to any change?	SOP to be prepared including formation of qualified team for review of SOP's and authority for approval
g	Are employees involved in operating a process and maintenance and contract employees whose job tasks will be affected by change informed of trained in, the change prior to the start-up of process or affected part of process/operations?	Needs to be involved
h	Is the safety information is reviewed and updated on change?	Needs to be done
i	Are the operating procedure or practices updated?	SOP to be formed

C-18.1 OBSERVATIONS

a	The process is available for any change in name, chemicals or address and any miscellaneous changes.
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Q-18.2 MECHANICAL INTEGRITY

a	Does the mechanical integrity program include for all mechanical equipment including pressure vessels and storage tanks, piping and components, relief devices and vent system, emergency shutdown system, pump, control system?	No, needs to be prepared and adhered. Equipment wise check sheet to be prepared based on manufacturer manual and used.
b	Are there written procedures to maintain the ongoing integrity of process equipment?	PM plan is available but need to include equipment wise check sheet
c	Whether training been provided to each employee involved in maintaining the ongoing integrity of process equipment?	Needs to be done
d	Are inspection and tests performed on each item of the process equipment included in the program?	Needs to start
e	Does the inspection and test frequencies meet the manufactures' recommendation and good engineering practices?	PM plan is available, need to be updated using machine manual issues by manufacturer

f	Are inspections and tests performed more frequently if determined necessary by operating experience?	Need to start
g	Are deficiencies in equipment's that are outside limits corrected before further use so as to assure safe operation?	Yes, records need to be maintained
h	In the construction of new plants and equipment's whether quality assurance programme is implemented to ensure that equipment fabricated is suitable for the process?	Yes, monitoring by project team. Record to be maintained
i	Are appropriate checks and inspections made during equipment installation stage?	Yes
j	Are the stability of maintenance materials, spare parts and equipment ensured during maintenance?	Yes

Q-18.2. COMMENTS

a	Inspection and checking of equipment before start to process needs to be done on regular basis
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Q-19 PHYSICAL HAZARD

Q-19.1 HOUSEKEEPING

a	Are all the passages, floors and the stairways in good condition?	Needs to be maintain
b	Is glass door taped or otherwise marked to make it visible to workers?	Yes
c	Do you have the system to deal with the spillage?	Yes, SOP in Place to be implemented as chemical spillages observed at multiple locations.
d	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?	Needs to be provided as per compatibility of the chemicals used in the plant
e	Are drip trays positioned wherever necessary?	Drip trays are provided

f	Do you have adequate localized extraction and scrubbing facilities for dust, fumes and gases? Please specify.	Yes, scrubber found provided to be ensured working of the same all the time
g	Whether walkways are clearly marked and free from obstruction?	Need to be marked and to be maintained free from obstructions
h	Do you have any inter-departmental competition for good housekeeping?	No
i	Has your organization elaborated good housekeeping practices and standards and made them known to the employees?	Need to develop good housekeeping practices
j	Are there any working conditions, which make the floors slippery? If so, what measures are taken to make them safe?	Yes
k	Does the company have adequate measures to suppress polluting dust arising out of materials stored on the roadside?	NA

Q-19.1 OBSERVATIONS

a	The roads, plants and surroundings are need to be maintained in neat and clean condition.
b	Housekeeping needs to be maintained

Q-19.1 COMMENTS

a	The housekeeping inside the factory premises surrounding production building needs to be improved and maintained.
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Q-19.2 MACHINE AND GENERAL AREA GUARDING

a	Whether machinery and equipment which can cause physical injuries to operator have been identified?	Yes, but detailed survey needs to be carried out for providing guards on machine, interlocks to rotating shaft of the agitator
b	Are all moving parts and point of operation of machinery adequately guarded?	Needs to be guarded as per IS code
c	Are all fixed guards securely bolted in position and in good condition?	Yes, Guard design needs to be modified
d	Are all interlock guards for prevention of physical injury in good condition?	Master list need to be prepared and monitoring need to be done for effective working
e	Are all emergency stop buttons effective and clearly labeled?	Yes

f	Are the operators for machines having moving parts aware of the danger of working with loose clothing?	Yes
g	Are the openings where there is free fall hazards covered or fenced securely?	Yes

Q-19.2 OBSERVATIONS

a	Machinery and Equipment need to be securely guarded.
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Q-19.2 COMMENTS

a	All machinery and equipment are guarded to avoid trapping of body part of worker working near machinery.
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Q-19.3 MATERIAL HANDLING

a	Are adequate equipment available for handling material?	Yes, need to be maintained
b	Are the workers aware of the hazards associated with material being handled?	Yes, training to be done and record to be maintained
c	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, lifting instructions can be displayed
d	Do workers follow safe procedures for storage of materials?	Yes
e	Is the register maintained to record particulars of examination of all lifting machines, tools and tackles?	Yes, form 11 & 13 is available
f	Are all the statutory examinations and tests carried out and certified by competent person(s)?	Yes
g	Are the operators of crane, lifts, hoists and other mechanized operations adequately qualified?	Yes, record to be maintained
h	Is the safe working load clearly marked?	Yes
i	Has the person employed to operate crane, forklift, or to give signals to crane been medically examined for eyesight and colour vision?	Yes

j	Is the frequency of eyesight and colour vision examination as per the latest rules?	Yes
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Q-19.3 OBSERVATIONS

a	Lifting tools, tackles and equipment's are checked and certified by competent person.
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Q-19.4 ELECTRICAL SAFEGUARDING

a	Are licensed electricians available for electrical work?	Yes, Licensed Electricians are available (Record of license to be maintained)
b	Whether area classification for electrical equipment has been carried out?	Yes, data needs to be maintained
c	Do the electrical fittings conform to area classification for electrical equipment?	Yes, certificate need to be maintained
d	Is a ground fault current interrupter system (ELCB) in use?	Yes
e	Are all connection made by using appropriate plug, receptacle or enclosures? Are fuses provide?	Yes, regular checking needs to be done
f	Are there any make shift connection bare wires or damaged cables?	Yes, needs to be removed from shop floor
g	Is there a system of ensuring periodical inspection of hand tools, extension boards used for electrical work?	Need to start using check sheet
h	Do the workers use proper types of PPEs during the working on live line?	Necessary PPEs needs to be provided Rubber hand gloves, Safety Goggles etc.
i	Is the separate work permit issued for working on high voltage line?	Yes
j	Whether the process (s) and equipment that generate and accumulate static charge have been identified?	Yes
k	Whether all such equipment including pipelines for flammable materials are properly bonded and earthed?	Yes
l	Whether earth pit resistance is measured and the records maintained?	Yes, test date and due date, with obtained value needs to be marked
m	Whether lighting arrestor has been installed and is adequate?	Yes, needs to check for effectivity

Q-19.4 OBSERVATIONS

a	Hazards of static electricity are identified for all the work areas.
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Q-19.4 COMMENTS

a	Ensure by regular inspection the electrical continuity and appropriate resistance of circuits.
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Q-19.5 SAFETY IN STORAGE AND WAREHOUSING

a	Whether the material Safety data Sheet for all chemicals is available?	Yes, need to be displayed as per R-73M of TMFR, 1963
b	Are the chemicals stored as per their hazardous properties including the incompatibility?	Study needs to be carried out and storage to be done accordingly. storage to be done as per chemical compatibility chart
c	Are all containers clearly, indelibly labelled? Are all chemicals stored as per safety regulations?	Yes, storage to be done as per compatibility of chemicals
d	Whether all racks and steel cages have sufficient load bearing capacity?	Yes, SWL to be marked
e	Is adequate natural ventilation provided to store room? Is there any emergency exit?	Yes, needs to be maintain as emergency exits found blocked.
f	Whether adequate firefighting arrangement existing in flammable chemical storage?	Yes
g	Whether methodology for handling spillages of hazardous chemical available along with the equipment required handling the spillage?	Yes
h	Whether aisles are marked and emergency exits displayed?	Need to be displayed

Q-19.5 OBSERVATIONS

a	MSDS are available for chemicals handling and storage and displayed at various locations
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C-19.5 COMMENTS

a	MSDS need to be displayed as per R-73M of TMFR, 1963 also adequate training needs to be done for all workers handling chemicals for safe handling.
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Q-19.6 HAZARD ASSESSMENT FOR NEW EQUIPMENT

a	What is the system for effecting and change in the existing plant equipment?	System needs to develop
b	Is there system for evaluating hazards from new equipment's?	System needs to develop
c	Whether the P&I diagrams and other related documents are updated accordingly?	Yes
d	Is any job Hazard Analysis (JHA) carried out after installation of new equipment?	Analysis needs to carried out

Q-19.6 OBSERVATIONS

a	Any change is affected after new installation or new construction, revised factory plans and Layout plans approvals need to be done from the concerned authority.
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Q-19.6 COMMENTS

a	Adequate System need to develop for regularizing any change in the existing plant, equipment or process.
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Q-19.7 HAZARDS FROM RADIATION SOURCES

a	Whether license have been obtained for storage/ handling of radioactive material?	NA
b	Whether approved Radiological Safety officer appointed?	NA
c	Whether appropriate PPEs are used against radiation hazards?	NA
d	Is the flooring of the radioactive material handling area amenable for proper decontamination?	NA
e	Is the storage room of radiation source as per the license condition?	NA
f	Are all persons working in the facility have radiation safety training?	NA
g	Is the operators handling devices using radioactive materials qualified and possess the necessary certificate?	NA

h	Is the periodical radiation monitoring carried out?	NA
i	Are the records of inventory of radioactive material maintained in the standard format and submitted to the competent authority as per the period specified?	NA
j	Are emergency handling tools available?	NA
k	Are the personnel monitoring badges (TLD, Pocket, dosimeter etc.) assigned and worn by each radiation worker?	NA
l	Are the radiation symbol and red light displayed as required?	NA

Q-20 CHEMICAL HAZARD

Q-20.1 TRANSPORTATION OF HAZARDOUS SUBSTANCES

a	What potentially hazardous material are transported to or from the site (including wastes)?	Chemical Sludge, Chlorine Toner, Sodium Cyanide, Acid, Alkali
b	What mode of transport is used?	Truck, Tanker

1. Road

i	Does the company employ licensed vehicle of its own / outside sources?	NA
ii	Are the loading / unloading procedures in place and safety precautions displayed?	SOP is available, instructions to be displayed at unloading point
iii	Is there a provision to check the healthiness of road tanker with respect to explosives rule?	NA
iv	Are loaded tankers or trucks parked in a specific area on-site?	Yes
v	Do all truck and tanker drivers carry TREM Card or instruction booklet?	Yes
vi	Do all truck and tanker drivers get training in handling emergencies during transport?	Trem Card is given to truck and driver of tanker

vii	Are all the tankers marked for proper Hazchem code?	Yes
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2. Rail

i	What hazardous materials are transported by rail?	NA
ii	Does the company have a direct siding on-site?	NA
ii	Are tankers or others wagons used in transportation?	NA

3. Pipelines

i	What materials are transported to and from the site by pipelines?	NA
ii	Are the pipelines underground or over ground?	NA
iii	Are corrosion protection measures employed in pipelines?	NA
iv	Whether intermediate booster pumps are used?	NA
v	What is the maximum, minimum and average transfer rates?	NA
vi	Are the pipelines extended in the public domain?	NA
vii	Are the pipelines dedicated for each type of chemicals?	NA
viii	Are the pipelines fitted with safety equipment such as leak detectors, automatic shut-off valves etc.?	NA
ix	What is the frequency and method of testing of the pipelines?	NA
x	Is there written procedures for tackling leakages in pipelines?	NA

Q-20.2 HANDLING OF HAZARDOUS SUBSTANCES

a	What is the hazardous substance handled in the factory?	Sodium cyanide, Chlorine, HCL
b	Whether quantity of hazardous substance 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.	Yes, for Chlorine- 24 Toners Sodium Cyanide – 50 Mt/ Month
c	Whether written procedure for handling the hazardous substances is available and operators are trained for handling such substances including actions required in case of leakages and spillages?	Yes, displayed at store, need to modify
d	Are the employee aware of the hazards arising from hazardous substance and safety precautions to be taken during handling of these?	Yes, regular training needs to be done for safe handling with use of adequate PPE's

Q-20.2 OBSERVATIONS

a	There is storage facility for storage of chemicals like Sodium cyanide, Chlorine, HCL
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Q-20.2 COMMENT

a	There is storage facility for storage of chemicals like Sodium cyanide, Chlorine, HCL needs to be maintained as per the approved plan. All chemicals to be stored at clean and dry places. Flameproof electrical fittings to be maintained and earthing/bonding needs to be ensured all the time. Major care to be taken while handling sodium Cyanide as highly toxic.
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Q-20.3 MATERIAL SAFETY DATA SHEET (MSDS)

a	Are the material safety data sheets available for all the chemicals handled, used and manufacture in the factory?	Yes, in English
b	Whether the latest MSDS are displayed at strategic locations?	Need to displayed as per R-73M of TMFR, 1963
c	Is it available in local language?	Need to display

Q-20.3 OBSERVATIONS

a	MSDS available in English language, need to display in local language as per R-73M of TMFR, 1963.
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Q-20.4 SPILL CONTROL MEASURES

a	Whether spill control procedure is available?	Yes, SOP need to be prepared and adhered
b	Whether spill collection pit / sump is available at the workplace?	Yes, need to be maintained with chemical resistant floor material
c	Whether methodology for recovery / disposal of collected material has been established?	Yes

Q-20.4OBSERVATIONS

a	Spill control procedure is available at site
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Q-20.4 COMMENTS

a	Awareness training to be provided to employees and record to be maintained.
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Q-20.5 STORAGE OF HAZARDOUS SUBSTANCE

a	Whether storage vessels are identified with the capacity as required under MSIHC, Rule 1989?	Yes, Chlorine 24 Toner
b	What are the storage pressure and temperature?	Room Temperature
c	Whether vessels are above ground / underground?	Above Ground Toner
d	If any of the tanks storing flammable materials, whether electrical equipment and fittings are as per electrical area classification?	Yes, record needs to be maintained
e	Is the bunded area takes into account the total quantity of the largest tank?	Yes, bund to be repaired from cracks and other damages
f	Whether the bund perimeter takes into consideration of trajectory of leak from tank?	Yes
g	Are the vessels properly bonded and earthed and whether periodically checked and record maintained?	Yes
h	Are the vessels fitted with remotely controlled isolation valves?	Yes
i	Are vessels provided with emergency vent, relief valve, bursting disc, level indicator, pressure gauge, overflow line?	Yes
j	Where do such vents discharge?	Water tank

k	Are the vessels provided with alarms for high level, high temperature and high pressure?	Leak detector is provided
l	Are standby empty tanks or any other alternate systems provided for emptying / transfer in case of emergencies?	NA
m	What are the provisions made for firefighting / tackling emergency situations around the storage vessels?	Fire Fighting in Place, Water tank found provided to immerse toner
n	Has any consequences analysis for loss of containment been carried out?	MCLS needs to be carried out
o	Whether the vessels are tested as per statute?	Toner supplied from authorize person
p	Whether log sheets are filled up on daily basis for recording the parameter of these vessels?	Yes
q	Whether the chemicals stored are as per their compatibility?	Yes

Q-20.6 GAS CYLINDERS

a	What are the various gas cylinder used in the plant?	Chlorine Toner, Oxygen, Nitrogen, Hydrogen, Acetylene
b	Are valid license available for storing all these cylinders?	Available for chlorine toner
c	Are the cylinder stored and segregated as per their compatibility?	Yes
d	What are the measures taken for combating any emergency any emergency in the cylinder's storage area?	Emergency plan to be updated
e	Whether integrity test certificates are obtained from the suppliers of the cylinders?	Need to be obtained
f	Are the cylinders chained and secured properly along with the valve caps and proper identification colour code?	Needs to be done
g	Are the cylinders protected from heat or sun and rain?	Shed to be provided over cylinder storages
h	Whether monitors for detection of leakage of flammable / toxic gas installed?	Yes,

Q-20.7 LABELING AND COLOUR CODING

a	Are all the container, vessels and storage tanks labeled for its content and capacity?	Yes
b	Whether the pipelines are colour coded as per IS 2379?	Yes, found rusty re-painting to be done
c	Is any plant specific colour code followed?	As per IS code
d	Whether the colour codes are displayed conspicuously in the working areas?	Need to display

Q-20.8 HAZARDOUS WASTE MANAGERMENTS

a	Is identification done for various types of wastes? Give details.	As per MPCB consent
b	Are these quantities less than those specified by the hazardous wastes? (Management and handling Rules-1989)	Yes
c	What are their disposal modes?	Yes
d	What are the systems/ measures adopted for controlling air / water / land pollution?	CHWTSDF
e	Whether the solid waste like combustibles, plastic, metals etc. segregated?	Needs to be done

Q-20.8 OBSERVATIONS

a	Consent to operate is received from MPCB and activities compiled accordingly.
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Q-20.8 COMMENTS

a	Regular monitoring is done for ambient air, and other environment parameters.
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Q-21 FIRE AND EXPLOSION HAZARD

Q-21.1 ORGANIZATIONAL SET-UP FOR FIRE FIGHTING

a	What is the total strength of the fire station and fire crew?	Company employees working as firefighting team
b	How many fire crews are available in each shift?	Yes
c	Is there fire squad identified in each shift?	NA
d	Standing fire order is available with latest revision	Needs to be obtained
e	How is the communication with the fire station?	Telephone/Mobile
f	Does fire safety inspections carry out?	Yes, Extinguisher refiling done
g	Does emergency procedure available for leakage or combustion of flammables?	OEP is available
h	What measures are available to control the fire load in the plant area?	Fire extinguishers are provided. Fire hydrant system ,Fire Alarm Panel are provided.
i	Whether technical knowledge and skill of the manager and staff responsible for overall fire safety of the plant is adequate?	Yes
j	How many major and minor incidents / fires were there in the factory during the last five years? Give department / Plant wise.	No fire incident
k	Have all the fire / incidents been investigated and corrective actions taken? Give break up.	NA
l	Resources:	Need to procure
	<ol style="list-style-type: none"> 1) Adequacy of protective clothing (coat, trouser, gloves, boots & helmets) 2) Availability of SCBA for firefighting operations and spare cylinder (at least 2 for each SCBA) 3) Adequacy of hose, nozzles, ladders, lighting equipment and pumps: and 4) Communication facility at fire station, walkie talkie sets during firefighting. 	<p>Adequate safety Helmets, Safety shoes and PPES are available at site</p> <p>2 No of SCABA Set Available at site</p> <p>Hose Nozzles ladders, lighting equipment's are available</p>

Q-21.1 OBSERVATIONS

a	Fire extinguishers for emergency, located at strategic positions at different section of the plant, storage areas, security office etc. the same area to be easily accessible, mark properly and maintained regularly.
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Q-21.2 BUILT IN SAFETY IN CIVIL DESIGN AND CONSTRUCTION

a	Whether the two-safe means of escape available? Are they in separate direction?	Yes, to be maintained obstruction free
b	Is emergency exits provided to the building handling flammables?	Yes, to be maintained obstruction free
c	Whether emergency lights are provided?	Yes
d	Whether fire/smoke detectors are installed in fire prone areas?	Yes, need to ensure working round the clock
e	Whether fire call points are provided in different areas?	Yes, need to be maintain in working condition
f	Whether fire hydrants are provided near the buildings?	Yes, system to be maintained in Auto mode
g	Is ventilation system in plant handling flammables is adequate to prevent formation of flammable mixture?	Yes, monitoring needs to be done
h	Is adequate separation is provided between combustible / flammable materials and other material to restrict the fire growth?	Yes
i	Access routes for firefighting operations is available for areas having high fire load?	Yes, roads to be maintained obstruction free
j	Whether building changes interferes with fire detection and /or fire suppression system?	NA
k	Whether building change cause unreasonable fire loading / openings in the fire rated walls?	NA

Q-21.2 COMMENTS

a	Adequate Firefighting system found available.
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Q-21.3 BUILT IN SAFETY IN ELECTRICAL

a	Are the electrical equipment in areas where flammables mixture is likely to be present of flame proof type?	Yes, fund provided, other non-flameproof wiring to be removed
b	Are lightning arrestors are provided to the building / structures storing flammable materials?	Yes, regular checking to be done
c	Whether adequate bonding and grounding of electrical equipment / pipelines provided?	Yes, regular monitoring needs to be done

Q-21.3 OBSERVATIONS

a	Adequate bonding and grounding are provided all pipelines.
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Q-21.3 COMMENTS

a	Regular monitoring for availability of earthing and bonding of electrical equipment /pipelines to be done and record needs to be maintained.
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Q-21.4 EXPLOSIVE SUBSTANCES

a	Whether necessary license / approval taken from concerned statutory bodies?	NA
b	Whether system for explosion suppression high speed fire detection with deluge sprinklers, explosion venting etc. are provided?	NA
c	Whether explosion resistant walls or barricades are provided around explosive storage?	NA
d	Whether explosive substance storage areas are restricted for entry?	NA
e	Whether only trained persons are handling explosive substances?	NA
f	Whether explosive substances are stored and transported in approved containers only?	NA
g	Whether electrical fixture in areas handling explosive are explosion proof type?	NA
h	Whether adequate measures are taken to prevent, any sources of ignition where explosive substances are handled?	NA

Q-21.5 FIRE SAFETY IN HANDLING FLAMMABLE AND EXPLOSIVE MATERIAL

a	Whether emergency procedure is available for control of leakage?	NA
b	Whether emergency measures are displayed locally in case of accidental spillage / leakage?	NA
c	Whether facility is provided for safe drainage of combustible or flammable liquids in case of leakages?	NA
d	Whether highly flammable liquids are stored under inert atmosphere?	NA
e	Whether flammable storage tanks are provided with flame arrestors?	NA
f	Whether suitable PPEs are provided?	NA

Q-21.6 FIRE DETECTION AND ALARM SYSTEM

a	What type of fire detection and alarm system provided?	Smoke Detector
b	Whether all fire prone areas of the plant are covered with fire detection system?	Yes, regular checking needs to be done
c	Whether fire detection equipment and smoke alarms in good operating condition?	Needs to be maintained
d	Whether the number of fire call points are adequate and free from obstruction?	Yes
e	Whether regular inspection / maintenance / testing of fire detection and alarm system carried out and records maintained?	Record needs to be maintained
f	Whether any atmospheric monitoring is carried out for explosive mixture of gases or vapors?	NA
g	Whether emergency power supplies are provided to fire detection and fire alarm system?	DG set is available
h	Whether smoke detectors are located considering ventilation pattern?	Yes
j	Whether annunciation of fire is local or in the control room or in both places?	Yes

k	Whether fire panel is constantly attended?	Yes
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Q-21.6 OBSERVATIONS

a	Fire detection system is available, need to be maintained and monitored for effective working.
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Q-21.7 PASSIVE AND ACTIVE FIRE PROTECTION SYSTEM

a	What is the passive fire protection measures available? (Barriers, door, dampers etc.)	NA, as per fire NOC conditions
b	Are the areas requiring fire barriers identified?	NA
c	Whether the fire barrier provided is of adequate ratings?	NA
d	Whether ventilation ducts in flammable areas have been provided with isolation dampers of suitable fire rating?	NA
e	Whether sprinklers / deluge are installed wherever necessary?	NA
f	Whether regular inspection / maintenance / testing of the fire protection system carried out and records maintained?	NA

Q- 21.8 FIXED FIRE EXTINGUISHER SYSTEM

a	What are the sources of fire water and whether they are dedicated to the fire extinguisher system?	Storage tank with 3 Lakh. Liters water holding capacity.
b	Whether the capacity of dedicated water reservoir is adequate to supply to hydrants for minimum 2 hours?	Yes
c	Whether un-interrupted power supply is provided to the firewater pumps?	Yes, DG Pump set in place
d	Whether the extinguisher medium selected is appropriated to the class of fire (water, gaseous foam, dry powder)?	Foam, DCP, ABC, CO2.
e	Whether fire hydrant layout is available?	Yes
f	Whether additional (over minimum requirement) fire hoses, nozzles are available?	Yes
g	Whether the hydrant lines are kept pressurized?	Yes

h	Whether regular inspection / maintenance/ testing of fixed fire extinguishing systems carried out and records maintained?	Yes
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Q- 21.7 OBSERVATION

a	Firefighting system is available in the plant in compliance with fire NOC issued by MIDC.
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Q-21.9 PORTABLE FIRE EXTINGUISHING SYSTEM

a	Whether suitable type and numbers of fire extinguishers provided?	Yes
b	Whether the fire extinguishers are located at conspicuous position and easily accessible? Are they fully charged and tagged?	Yes
c	Whether fire extinguishers periodically inspected, tested, refilled and records maintained?	Yes
d	Whether defective / unchecked fire extinguishers present at site?	No
e	Whether additional fire extinguishers are available?	Yes

Q-21.10 FIRE FIGHTING EQUIPMENT AND FACILITIES

a	Whether fire tenders (water / foam) are available?	No
b	Whether the fire – fighting system and equipment approved, tested and maintained as per relevant standard?	Yes
c	Whether the SCBA / fire suit provided to firefighting team for immediate action?	Yes
d	What is the system for maintenance / recharge of SCBA?	NA
e	Is proper access available for firefighting equipment?	Yes
f	Whether fire hose cabinets are in good condition easily visible and accessible?	Yes

g	Whether drill tower is available? Are fire personnel carrying out regular fire drill?	Yes, Mock drills conducted
h	What is the communication facility at fire station? Is it adequate?	Intercom

Q-21.11 FIRE DRILL

a	Whether mock fire drills are conducted? What is the frequency of drills?	Yes, Mock drills are conducted on Monthly basis
b	Whether fire drills are also performed in night shift?	Needs to be done
c	Whether feedback of fire drill is documented?	Yes, improvements to be implemented immediately
d	What is the system of mutual – aid scheme?	No

Q-21.12 FIRE FIGHTING TRAINING

a	Whether there is a system of providing firefighting training to plant personnel?	Yes, record to be maintained
b	What is the frequency and duration of such training? Whether training records are maintained?	Half yearly, Certificate need to be maintained
c	Whether fire squads are identified for different areas for first-aid firefighting and rescue, and suitably trained?	No, company employees working as fire fighters
d	Are all personnel conversant with the fire prevention and protection measures?	Yes
e	Whether the fire staff are sent for refresher / advanced training courses?	No

Q-21.13 STATIC ELECTRICITY AND LIGHTNING

a	Whether all vessels and pipes are provided with suitable bonding and grounding?	Yes, regular checking needs to be done for availability
b	Whether arrangement has been made for grounding the tanker containing flammable liquid during loading / unloading?	Earthing and Grounding cables are provided, condition monitoring needs to be done for effectivity
c	Whether spark resistant tools are provided?	Yes, Spark resistant tools to be inspected before use for damages if any

d	Whether lighting protection is provided and is adequate?	Yes
e	Whether antistatic clothing hand gloves and footwear are provided?	Necessary PPEs needs to be provided

Q-21.14 PRESSURE RELIEF SYSTEM

a	Whether the listing of all pressure plants (as defined under Factories Act) has been done?	Yes, record is available in form 13
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Q-22 INDUSTRIAL HYGIENE / OCCUPATIONAL HEALTH

Q-22.1.1 VENTILATION

a	Whether any ventilation study has been carried out?	Needs to be carried out
b	Whether natural ventilations are adequate or not?	Yes
c	Whether dust / fumes/ hot air is generated in the process?	Yes
d	Is there any exhaust dilution ventilation system in any section of the plant?	No, monitoring needs to be done as per Sch-II of TMFR, 1963
e	Is periodic / preventive maintenance of ventilation system carried out and record is maintained?	Yes, record to be maintained
f	Does any ventilation system recirculate the exhausted air in work areas?	No
g	Is the work environment assessed and monitored for chemicals and physical?	Work place environment monitoring needs to be done
h	Whether PPE are provided to workers exposed to dust / fumes and gases?	Yes, detailed survey needs to be done for identification of suitable PPE's

Q-22.1.2 ILLUMINATION

a	Whether illumination study has been carried out for the assessment of illumination level?	Needs to be carried out
b	Is there any system of periodical cleaning and replacing the light fitting/lamps in order to ensure that they give the intended illumination levels?	As & when required
c	Are the workers subject to periodic optometry tests and records maintained? Give details.	Yes

d	Are emergency lighting available at first aid center?	Yes
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Q-22.1.3 NOISE

a	Whether any noise study conducted?	Needs to be conducted
b	Are there any machines / processes generating high-noise?	Yes
c	Whether engineering and administrative controls been implemented to reduce noise exposure bellow the permissible limits?	Yes, acoustic encloser to DG set
d	Is there a system of subjecting all those employees to periodic audiometric test who work in high level noise areas?	Medical check done
e	Whether the workers are made aware of the ill-effects of high noise?	Yes, posters to be displayed
f	Whether ear muff / plugs are provided and used?	Needs to be provided

Q-22.1.3 OBSERVATIONS

a	Work place noise study found not conducted & record needs to be maintained.
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Q-22.1.3 COMMENTS

a	Workers needs to be insisted to use ear plugs, Mask, goggle, apron, safety shoes as per IS standard on regular basis.
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Q-22.1.4 VIBRATION

a	Are there equipment which contribute excess level of vibration and whether they are identified?	Yes
b	Whether any vibration study has been carried out?	Needs to be conducted
c	Are the measures taken to combat vibration to acceptable levels?	Yes
d	What is the frequency for measurements of vibration?	Need to Prepare
e	Are the records of measurements and maintenance of equipment/ system maintained?	Need to Prepare

Q-22.1.5 HEAT STRESS / COLD STRESS (EXTREMES OF TEMPERATURE)

a	Are there sources from equipment increasing the heat load in work places?	No, Such Equipment's
b	Whether evaluation of heat stress is carried out?	NA
c	Whether natural ventilation is adequate to minimize the heat stress in work environment?	NA
d	Are resources available to deal with very hot or very cold conditions (drinking water, lined gloves, insulated boots)?	NA
e	Do workers know the symptoms of heat cramps/heatstroke or frost bite/ hypothermia?	NA
f	Are the personal protective equipment suitable for reducing the effects of heat stress available?	NA

Q-22.1.6 NON-IONIZING RADIATIONS

a	Does the work involve likely exposure to non-ionizing radiation (ultraviolet, infrared, radiofrequency, microwave, lasers etc.)	NA
b	Whether risk assessment have been done for all work areas involving presence of non-ionising radiation?	NA
c	Are the work areas displayed with relevant safety signs?	NA
d	Are the employees aware about the hazards of non-ionizing radiations?	NA
e	Does written procedures exists for working in non-ionising radiations?	NA
f	Is the work environment monitored periodically for physical hazards and control measures initiated whether deviation from permissible values is observed?	NA
g	Whether suitable personal protective equipment are provided to workers exposed to non-ionizing radiation?	NA

Q-22.2 WORK PLACE MONITORING FOR HAZARDOUS CHEMICALS

a	Whether the dust, fumes, smoke aerosols and mist are monitored as per statute and records maintained?	Monitoring needs to be done and record to be maintained
b	What are the types of detectors used for monitoring concentration of hazardous chemicals?	Leak detector are available for Chlorine Gas Ammonia, HCN, Hydrocarbon
c	Is any alarm system installed for any leakage of hazardous chemicals?	Yes, for chlorine
d	Are antidotes available for toxics chemicals?	NA
e	Are control measures initiated whenever deviation from permissible values is observed?	NA

Q-22.3 FIRST AID FACILITIES AND OCCUPATIONAL HEALTH CENTRE (OHC)

a	Are adequate numbers of first aid boxes provided? Give location details?	Yes, 07 nos is available Security Gate-1 Administration Office-1, Occupational Health Center-1, ETP Lab-1, Maintenance-1, Production Plant-1, Stores-1
b	Are qualified / trained first aider available in each shift?	Yes
c	How many qualified / trained first aiders are available at each plant / department?	37 nos is available
d	How many persons are trained / given refreshers training in first aid in a year?	25
e	Whether occupational health centre is provided?	Yes
f	Does OHC conform to the provisions of the existing statues?	Yes
g	Are the medical attendance / Doctors available in each shift?	Yes
h	What facilities are available for transportation of the injured to hospital?	Ambulance
j	Are the names of the trained first aiders displayed?	Need to Prepare
k	Are the names of nearest hospitals and its telephone number available in OHC?	Need to Prepare

m	Does the plant have any special preventive medicine program?	NA
n	Is ambulance posted in proper place and is it available whenever required?	Yes
o	Are sufficient numbers of anti – dotes available in case of any emergency?	NA
p	Are fire safety measures provided in first aid centre?	Yes
q	Are emergency lighting arrangement available at first aid centre?	Yes

Q-22.3 OBSERVATIONS

a	First aid boxes are available.
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Q-22.3 COMMENTS

a	Company needs to maintain first aid boxes as per Sec. 45 of The Factories Act, 1948.
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Q-22.4 PERIODIC MEDICAL EXAMINATION

a	Whether the periodical medical examination of employees, required under relevant statute is carried?	Done once in a year, needs to be done once in 06 months as per R-73V of TMFR, 1963
b	Whether it is ensured that contractor's employee are medically examined during pre-employment as well as during the course of employment?	Yes
c	During the periodical medical examination of the workers are they examined as per the hazardous process in which they work? (First schedule of the Factories Act, 1948)	Needs to be done once in 06 months as per R-73V of TMFR, 1963
d	Are the records of all such examination maintained?	Yes

Q-22.5 PERSONAL PROTECTIVE EQUIPMENT AND EMERGENCY EQUIPMENT

a	Whether list of required PPEs for each hazardous activity is available?	Yes, Survey needs to be carried out for selection of PPEs
b	Whether feedback from workers obtained during selection of PPE?	System needs to develop
c	Have the workers been trained in proper use of PPE including BA sets?	Needs to be provided
d	What is the system of procurement, inspection, issue, maintenance and replacement of PPE?	Through purchase and store department
e	Whether qualitative and quantitative fit-check for respirators is ensured prior to use?	Needs to be done
f	What are the arrangements for safe custody and storage of PPE?	Lockers are provided
g	Are the contractor's workers provided with the required PPEs?	Yes
h	Do the PPE conform to any standard?	Yes, As per IS standard
j	Are sufficient eye wash fountains and safety showers available?	Need to install
k	Whether appropriate respiratory protective devices are available in accordance to the hazard potential?	NA
l	Are the staff members trained in the right use of respiratory protective devices?	Yes

Q-22.6 OCCUPATIONAL DISEASES

a	Whether pre-employment medical checkup data available?	Yes, record to be maintained
b	During the medical checkup, is any person found having occupational diseases mentioned in 3rd schedule of The Factories about the occurrence of the occupational disease?	No
c	Whether the medical practitioner informed the chief inspector of factories about the occurrence of the occupational disease?	NA

Q-23 ACCIDENT/INCIDENT REPORTING, INVESTIGATION AND ANALYSIS

Q-23.1 ACCIDENT REPORTING AND DATABASE MANAGEMENT

a	What is the procedure for accident/incident /dangerous occurrence reporting?	SOP is available
b	Whether the accident data for the last five years for reportable and non- reportable accidents are available?	No such accident

Q-23.2 ACCIDENT INVESTIGATION

a	Are all the accidents investigated?	Yes, for reportable
b	Whether accident investigation procedure is documented?	SOP need to modify as per IS 3786
c	Whether accident investigation reports are submitted to top management?	Yes
d	How are the findings from accident investigation reports communicated to workers?	Through verbal communication meeting

Q-23.3 ANALYSIS OF ACCIDENTS

a	Whether accidents analysis is done as per IS 3786?	No such incidence
b	Whether root cause of accidents is analyzed?	No such incidence
c	Is the accident statics effectively utilized? If yes, how?	No such incidence
d	What nature of injuries occurred during the last five years?	No such incidence

Q-23.4 IMPLEMENTATION OF RECOMMENDATIONS

a	How does the management ensure implementation of the recommendations to avoid recurrence of accidents and incidents?	Corrective and preventive actions are implemented after investigation
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Q-23.5 REPORTING AND INVESTIGATION OF NEAR – MISS INCIDENTS

a	Are all near-miss incidents reported and investigated?	No reportable accidents till date.
b	Is there any system of classifying and analyzing the near-miss incidents?	System needs to be developed

Q-24 EMERGENCY PREPAREDNESS

Q-24.1 SITE SPECIFIC DETAILS

a	Are the site area maps (including layout, access roads and assembly points) available in control room/emergency control centre?	Yes
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Q-24.2 DUTIES AND RESPONSIVITIES OF KEY PERSONNEL

a	Is the hierarchy emergency response personnel right from site emergency controller downward, and alternative officials identified?	Yes
b	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

Q-24.3 IDENTIFIED OF EMERGENCY AND ACCIDENT SCENARIO

a	Are the possible accident scenario leading to emergency identified and known to the operating personnel?	Yes
b	Are approved emergency preparedness plans (on -site and off-site) in place?	OEP is available needs to be updated as per CIMAH Rule, 2003

Q-24.4 DECLARATION AND TERMINATION OF EMERGENCY

a	Is the list of designated officials who are to be communicated about declaration and termination of emergency available in the control room/ emergency control Centre?	List of emergency contacts numbers needs to be displayed at security cabin
b	Are the methods of communication (siren, public address system etc.) for declaration and termination of an emergency known to all the workers?	System needs to be defined

Q-24.5 RESOURCES-EVACUATION/TRANSPORT

	Are the following resources (equipment, personnel and procedures) required to handle emergency available?	
1)	Communication	Yes
2)	Public announcement systems	No, as plant in MIDC
3)	Monitoring of hazardous release into the environment,	Yes
4)	Emergency shelters at the facility	No
5)	Emergency exits with proper illumination, with uninterrupted power supply.	Yes
6)	Direction for emergency exit / escape route marked in haulage / Alleyways.	Emergency Exit & DG Set Available
7)	Transport for evacuation of plant personnel.	Yes
8)	Medical care including administration of antidotes and	No
9))	Security / maintenance of law and other	Yes

Q-24.6 COMMUNICATION FACILITIES

a	Does the emergency control center have direct communication links with the fire station and the plant control room?	Yes
b	Are there adequate alarm points from which an emergency alarm can be raised?	Yes
c	Is there infrastructure available for ensuring back up electrical power supply for communication links where required	Yes

Q-24.7 MEDICAL CARE

a	Is the procedure for emergency medical care available?	Yes
b	Whether the system has been tested at regular frequency though mock drill / exercises?	Yes
c	Does the system of periodic replacement of antidotes and medicines require in emergency exit?	NA

Q-24.8 UPDATION OF EMERGENCY PLAN

a	Is the emergency plan updated based on the feedback from the periodic drills/ exercise?	Onsite emergency plan is available
b	Are the contract details of all concerned official kept updated in the emergency plan?	Onsite emergency plan is available

Q-24.9 PERIODIC DRILLS/ EXERCISE

a	Are mock-exercise conducted at stipulated intervals?	Yes, needs to be done quarterly to make aware employees about hazards
b	Are the scenarios varied in the mock-exercise to ensure that all possible factors including meteorological conditions, affected plant personnel covered?	Annual plan to be prepared considering various aspects of hazardous chemicals
c	Whether emergency preparedness plans have been tested and reviewed at regular frequency through mock drill for its adequacy?	Yes, needs to be documented

Q-24.10 TRAINING OF PLANT PERSONNEL

a	Are public awareness programs conducted for the people around the site regarding the actions to be taken in case of off-site emergency?	NA
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Q-24.11 MUTUAL-AID PROGRAMME

a	Is the type of accidents where external organizations would be involved in remedial actions identified? Are their responsibilities defined?	NA
b	Is the plant responsible for rendering mutual aid assistance to any other external organizations? Does this assistance effect the plants emergency preparedness?	Yes
c	Whether the communication channels for mutual assistance identified and known with and between two organizations?	Yes

Q-24.13 EMERGENCY CONTROL CENTRE

a	Is the emergency control center located beyond the effective distance of identified emergency scenarios?	Yes, at main gate
b	If the emergency control center is located within the effect distance, is it suitably protected that it will be available in case of emergency?	Emergency handling kit to be provided

Q-25 SAFETY INSPECTION**Q-25.1 INSPECTION PROGRAMME**

1.	Are checklist available for inspection? For example, availability of checklists like:	
a)	Handling, storage and transportation of hazardous chemicals:	Need to develop and use
b)	Electrical hazards	Need to develop and use
c)	Fire safety	Need to develop and use
d)	Hand and portable power tools	Need to develop and use
e)	Machine hazards	Yes, PM check sheet available
f)	Lifting equipment	Yes, by competent person
g)	Ladders and scaffolding	Need to develop and use
h)	Environmental Monitoring	Yes
j)	Civil structure	Need to develop and use

k)	House keeping	Needs to be maintained
m)	Emergency equipment and	-
n)	Gas cylinder and other pressure vessels used/available in the organization.	Need to develop and use

Q-25.2 SAFETY RELATED DEFICIENCY (SRD) REPORT

a	Are SRDs generated based on the area wise checklists?	Needs to be done
b	What is the procedure for resolving the SRD?	NA
c	Whether the procedure exists for notification and root cause analysis of non-conformities and action taken on them?	NA

Q-25.3 SAFETY INSPECTION RECORDS

a	Are the safety inspection records maintained?	Need to be maintained
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Q-25.4 METHODOLOGY AND INSPECTION TEAM

a	Is there written procedure for safety inspection?	SOPs needs to be prepared
b	Whether safety inspection is carried out by a designated team?	Needs to be done
c	What is the frequency of safety inspections?	Need to define
d	Whether an inspection report is generated?	Need to be generated

Q-25.5 COMPLIANCE OF RECOMMENDATIONS

a	To whom the recommendation are submitted?	To Factory Manager
b	Are recommendation of safety inspections complied in time?	Yes
c	Is compliance of recommendation sent to top management?	Yes
d	Is compliance of recommendations reviewed by safety committee?	Yes
e	Does top management follows-up the compliance?	Yes

SECTION 9: STATUTORY APPROVALS

Checked all Legal Documents there is regular follow up on the statutory compliance and well – maintained record. Over all there is commitment of management towards compliance to the statutory requirements is seen. The follow up system is satisfactory. Procedure for updating legal and statutory compliances is evident. Detailed Legal register is prepared along with summery of list of licenses.

Sr. No.	Particulars	Details
1	Name of Occupier	Mr. Sunil Santilal Nawal
2	Name of Factory Manager	Mr. Pralhad Pandharinath Zope
3	Name of Safety Officer (If Applicable)	Mr. Lalit Chavhan Mr. Vilas Bade
4	Name of Company Doctor (If Applicable)	Dr. Sanjay Warade (B.A.M.S.)
5	Name of Welfare Officer (If Applicable)	NA
6	Form 27 annual return	22.01.2025
7	Factory License Number	10261 Valid up to 31.12.2026
8	Last plan approval from DISH	1200000000 Dt 04.09.2020 120000000022275 Dt. 25.02.2025
9	Stability from Structural Engineer	No.: - M-126614/9 Dt. 04.12.2023
10	Medical Health check	Done on 05.10.2024, Total Employee Coverd 232 By Dr. Sampda Sapkal, Akola,
11	Pressure vessel & Lifting equipment's Testing Date & by Whom	Boiler: - MR/18500 Valid Till-05.05.2026 MR/16270 Valid Till -02.10.2025
12	MPCB License	Consent Order No.: - UAN/MPCB/CONSENT-0000145878/CO/ 2304000668 Issue Date: 12.04.2023 Valid up to 30.06.2023
13	Fire NOC	MIDC/Fire/E-12069 Issue Date: 13.12.2016
14	PESO License	Class A & B
15	Registration of Contractor	NA
16	Weights & Measures	NA
17	BCC date from MIDC	DE/KHM/E26939/2016 Date: 23.12.2016
18	Latest Electrical Engineer Approval	Available
19	Lift License (If Applicable)	NA
20	Sexual Harassment Committee Date of Declaration	NA
21	Gas Cylinder Storage License (If Applicable)	G/WC/MH/06/2783(G27545) Issue Date: 19.10.2024 Valid Till: 30.09.2034
22	D G Set Approval from Electrical dept.	Available

SECTION 10: RECOMMENDATIONS

All recommendations are given in Section-10 of this audit report. The desired end result of a safety audit is the identification of primarily unrecognized hazards in the light of experience and early recognition of shortcomings in the areas such as the maintenance and testing of critical equipment.

The recommendations are to two types:

1. Improvement in the system`s specified requirements and
2. More effective implementation of the specified.

General & Legal:

Sr No.	OBSERVATION	REMARK			
		Total	Male	Female	Manpower
1	Factory license no. 10261 is available and valid till date 31/12/2026 for workers 500, power HP 1000+ as per license condition.	280	280	0	
2	Medical examination found not done	Needs to be carried out as per R-73V of TMFR, 1963 Once in six months.			
3	Stability certificate	Stability certificate found issued on dated 04.12.2023. A annexure with list of buildings and area cover to be attached with all plan approval numbers.			
4	Plan Approval	Condition compliance needs to be done like preparation of Hazop study report, On Site Emergency Plan, Issue of stability certificate			
5	List of chemical	List of chemicals along with maximum storage facility needs to be maintained. Also SOP for storage, handling and disposal to be prepared and adhered			
6	Site Notification	Found done on 27/09/2018 updated Hazop to be submitted to DISH office. Also, P & I diagram to be verified actual v/s as build after verification of chlorine supply setup.			
7	OHC	OHC needs to be maintained as per R-73 W of TMFR, 1963.with appointment of Medical officer and other staff.			

8	Risk Assessment Report	Detailed quantitative risk assessment study to be carried out for all the plant activities and accordingly safety management plan to be implemented.
9	Training	Training need identification to be carried out for chemical handling areas and detailed training to be given to employees accordingly
10	Plant & Building Structure	Detailed technical survey needs to be carried out for assessment of structural stability as structure found damaged at multiple locations, cracks found developed in walls of the building, trusses, pipeline support structure observed in rusty condition
11	Spillage of chemicals/ effluents	Bund provided to chemical storages found damaged, chemical spillages on floor to be arrested. Also, rain water and ETP effluent separate drainages to be maintained
12	Housekeeping	Overall housekeeping of the plant needs to be improved. Chemical barrels, containers found stored on road open to direct sunlight. Empty barrels kept roadside to be disposed off as per MSDS sheet guidelines. Sodium Cyanide storage quantity needs to be checked.
13	Work Place Environment Monitoring	Work place air sampling needs to be done as per Sch – II of TFA, 1948 for applicable parameters and preventive measures to be implemented.
14	Reactors, Equipment's, Vats, Agitators	Master list of safety interlocks, PRV's, leak detectors to be prepared and checked regularly for effective working. Record to be maintained. Safety interlocks master list to be provided for over flow, over temperature, Over pressure rupture disc. All interlocks checked regularly for their effective work. Calibration of all flow meter and pressure gauges needs to be done and record to be maintained.
15	Personnel Protective Equipment's	A detailed survey needs to be carried out for availability of suitable PPE's compatible with plant process and insisted to workers for its use.
16	Contract workers	Management needs to ensure no contractor workmen to be deputed in process as per R-73H (1) (b) of TMFR 1963. The provisions of R-73H of TMFR,1963 in respect of special

		precaution of highly Hazardous process to be strictly complied with.
17		The provisions of SCH XV annexed to R-114 of TMFR,1963 to be strictly complied with.
18	Drinking Water	Drinking water sampling needs to be done as per IS 10500 in compliance with R-45 of TMFR, 1963.
19	Accident/ Incident / Near Miss reporting	SOP for accident/including reporting need to develop and adhered. why- why analysis to be added in incident report. Accident analysis needs to be done as per IS 3786 and out comes to be used for training purpose for accident prevention plan.
20	LOCK OUT / TAG OUT	LOTO needs to be implemented for all critical electrical work.
21		SCH-XV, XII, XXIII needs to check for conditions and needs to be complied with and records to be maintained.
22	Hydrogen Cylinder	Safety provision to be made and adhere for storage and usage of hydrogen cylinder.
23	Instruments / Pressure Gauges	Rupture Disc of valves fitting to be checked regularly and record to be maintained. Pressure gauge and other gauges needs to be calibrated and record to be maintained.
24		Work permit for confined space entry for cleaning of vessel as per section 36 of TFA,1948 needs to be followed. All pipelines, valves, Gaskets, flange joints found heavily rusted needs to be repaired/replaced immediately. All steam pipelines need to be checked regularly for proper insulation and for Ultrasonic testing to ensure soundness of the material.
25	Working Platforms	Adequate railing with toe guard to be provided to all working platform where not available. Found missing at few locations.
26	Safety Guarding	A detailed survey needs to be carried out for identification of requirements of safety guard and all rotating parts of equipment's to be securely guarded

27	Electrical Safety	<ol style="list-style-type: none"> 1. Silica gel needs to be changed immediately. 2. Vegetation, grass to be removed from the yard. 3. Name of authorized person needs to be displayed. 4. Earth pits resistance needs to be checked, mark on test date and due date. 5. Smoke detector found not in working condition needs to be repaired/replaced immediately. 6. Rubber insulation sheet in front of panel to be checked for condition, validity and need to be replaced.
28	Chemical Storage and Transport	
		<ol style="list-style-type: none"> 1. MSDS & SOP in local language for chemical storage and handling to be displayed. Hazards related to the transport to be consider while doing transport. 2. Maximum safe stacking height needs to be defined and displayed for all the chemicals. 3. Antistatic wheels to be kept provided to vehicle carrying solvent drums. proper earthing arrangement to the crocodile clamp. 4. All the electrical switches and DB to be of flame proof type with double earthing near solvent and chemical storage area. 5. Loose electrical wiring needs to be avoided inside the chemical storage room. 6. Bund wall to be provided to storage area to avoid leakage of solvent in open land. 7. Spark arrestor to be provided to fork lift exhausted using chemical storage area to avoid any accidents. 8. Phosphoric acid, NNI caustic soda, Ammonium Thiocyanate found stored inside the shade adequate safety precautions to be taken to avoid any safety issue. 9. Fluff accumulation on the roof walls needs to be cleaned and removed regularly. 10. Door lifting mechanism of power operated doors to be of flame proof type. 11. All the ventilating windows needs to be kept open to ensure removal of accumulated chemicals fumes.

		<p>12. Mock drill needs to be conducted in chemical storage area to make employee aware about DMP.</p> <p>13. The contact details of certified first aider and fire fighters need to be displayed.</p> <p>14. Water shower, Body Shower needs to be provided near chemical store area.</p> <p>15. Compliance to study in SCH XII & XXIII of rule 114 of TMFR, 1963 and record to be maintained.</p> <p>16. Rusty switches and corroded earth strips to be repaired /replaced immediately.to ensure dissipating</p> <p>17. Water leakages /seepage found in building needs to be avoided and repaired immediately.</p>
29	PCT Storage Tank Area	
1	Adequate earthing /bonding	Needs to be provided for its effective working & records to be maintained
2	Hose replacement frequency	Unloading hose found damaged, need to be replaced also, self-life to be checked for replacement of hoses
3	Bund wall	Found damage needs to be repaired
4	Tank railing, Piping rack, Cable rack	Found in damage condition needs to be repaired
5	Unloading	SOP needs to be displayed for unloading
6	Cable installation	Found routed above PESO installation necessary approval to be obtained from the same
7	Painting	Painting of pipeline splash guard needs to be done.
8	House keeping	Area needs to be maintained as per license condition
		<ol style="list-style-type: none"> 1. PESO license with valid date and warning signages and list of authorized persons at the entrance of licenses premises needs to be displayed. 2. Earth pit marking with obtained values and test date to be displayed on all pits. 3. All flange joints carrying flammable liquids need to be provided with jumpers for dissipation of static charge. 4. Flange joints found rusted needs to be repaired immediately, also gaskets need to be checked for effectiveness.

		<p>5. Non-sparking type hand tools needs to be provided and use inside class A storage area.</p> <p>6. SOP for loading and unloading of class A chemicals needs to be prepared and displayed as per PESO rules in the license premises.</p>
30	HCl Storage Area	
1.	Crack found on column of structure	Needs to be repaired, also structural stability needs to be carried out
2.	AC sheet of roof	Found damage needs to be repaired
31	Sodium Cyanide Storage	
1	Storage SOP/Unloading SOP	PESO approval number needs to be displayed. SOP and MSDS in local language need to be prepared and displayed for handling Sodium Cyanide.
2	Handling & Storage	Necessary PPEs like safety mask, hand gloves, etc. needs to be provided to the workers and their use to be insisted upon
3	Handling & Storage of chemical	Training needs to be provided to workers
4	HIRA	Needs to be carried out including main activities & sub activates
5	Chemical Storages	Chemical storage combability requirement to be check & survey to be carried out, storage to be done as per the properties.
		<p>1. Pressurize suit to be used while entry & handling of Sodium Cyanide (charging & unloading).</p> <p>2. PESO Condition mentioned in the PESO license needs to be strictly fallowed.</p> <p>3. Batch operation to be carried out in presence of responsible person only.</p> <p>4. Cracks in the wall of storage area need to be repaired immediately.</p> <p>5. Suitable PPESs, Emergency Kits, antidots needs to be made available in storage area to handle any emergency with respect to poisoning case.</p>
		Health check of employee handling cyanide as per schedule XV of R-114 of TMFR, 1963.

		Sodium cyanide Qty is more than 50MT actual is 68 MT. PESO license quantity needs to be monitored precisely to kept below acceptable limits
32	HCL Storage Area	
		<ol style="list-style-type: none"> 1. All pipelines, glands, gaskets need to be checked regularly and record to be maintained. 2. Caustic lie observed in use, compliance to schedule XII of R-114 of TMFR,1963 to be done. 3. TOP cover with efficient interlocking to be provided to strainer. 4. All openings of the collection tank and clarifier tank to be securely fenced.
33	Chlorine Storage	
1	Storage & Usage area	Needs to maintained as per PESO license condition
2	Electrical DB	Electrical DB found in open condition, needs to be closed, repaired
3	Detector	Leak detector calibration needs to be done
4	Fire extinguisher refilling	Fire extinguisher refilling due date is 07.06.2025, regular monitoring needs to be done to avoid use of expired extinguishers
5	Expired HPT date on Chlorine Toner	HPT for toner to be carried out as per IS code.
6	HIRA	In depth HIRA needs to be carried out for all plant processes including all activities / sub activities
7	Waste storage /handing	Procedure needs to be done
8	Work permit system	Work permit system to be monitored & implemented effectively
9	Hazop study	Hazop found carried out March 2023, recommendation to be implemented needs to be done
10	Reactors	New draft rules for reactors need to be read & training to be conducted for awareness
11	Earthing & Bonding	Provisions for earthing & bonding to be ensured

34	Security	
1		Firefighting training needs to be given to security team.
2		Spark arrestor needs to be kept ready and checked on regular basis.
3		Updated On-site emergency plan hard copy to be kept available at main gate and in all sections.

CLOSING MEETING

Closing meeting with the senior management for respective departments was held off at the end of plant visit i.e. on dated **19.07.2025**. The observations and recommendations of the audit were discussed and agreed in the closing meeting.

Audit Evidence

		
Toe guard needs to be provided to working platform	DB door found in rusty and in open condition needs to be replaced	Door found open needs to be closed
		
Maximum stacking height needs to be defined, Safe access to be provided for fork lift movement	Extinguisher structure found in damaged condition, need to be replaced	Sheet found damaged, needs to be replaced



Structure found rusty needs to be painted



Water seepages found on wall needs to be repaired & Side cladding sheets found in damaged conditions needs to be replaced



Flameproof electric fitting needs to be provided



Chemical Barrels to be stored in proper place/ inside shed and away from direct sunlight



Crack found on wall needs to be repaired



Maximum stacking height needs to be defined. SWL marking needs to be done on storage racks



Maximum stacking height needs to be defined



Walkways, Emergency Exits, to be kept accessible all the time. Chemical storages to be done as per compatibility of the chemicals

Material storage rack found bend needs to be repaired /replace



Building structure found damage needs to be repaired

Panel rusty needs to be repaired

Cylinders to be kept safely away from sunlight as per GCR rules.



PESO license area needs to be maintained as per the license conditions, like display of license number with validity, adequate size fencing, entry for authorize persons, warning signages



Insulation found damaged needs to be repaired & structure rusty needs to be painted



Pipe & cable support structure found passing over PESO license area, needs to be relocated away from storage tanks



Barrels need to be stored at proper place & housekeeping needs to be maintained



Chemical spillages to be cleaned, also housekeeping needs to be maintained



ETP needs to be maintained as per consent condition



Structure found rusty needs to be painted



Sheet found damage needs to be repaired & structure found rusty need to be painted



Crack found developed on the beam needs to be repaired & structure rusty to be painted, cladding sheet found damage needs to be repaired.



Structure rusty needs to be painted



Pipeline found in rusty condition needs to be painted



Structure found rusty needs to be painted



Oil found on the floor need to be clean & Loose cables arrange properly



Oil found on the floor need to be clean to avoided accident



Crack & water seepages found on wall needs to repaired



Flameproof light cable gland packing found damaged, need to repair/ replace immediately



Barrels to be stored in proper place



Hose reel drum found damage to be repaired & nozzle needs to be provided



Housekeeping needs to be maintained & barrels kept in proper place



Asbestos sheet of roof found leaking, needs to be repaired. Also, support structure to be painted





Crack found on building structure needs to be repaired & loos wire arrange properly



Maximum stacking height needs to be defined & Emergency Exits, to be kept accessible all the time. Sodium Cyanide to be stored at designated place only



Structure found rusty need to be painted



Chemical spilled found on the floor need to be clean to avoided accident



Collection pit / dike to be repaired



Structure found rusty need to be painted

SECTION 11: CONCLUSION

In pursuit of continued improvement, the systems have adequate ability to achieve the desired goals. The General Duties of the “Occupier” specified at Section 7-A of the Factories Act gives different obligations of the occupier. Effective management system needs to develop to ensure safety of all workers working at site.

The systems need to develop with additional thrust on regular inspections and emergency preparedness to achieve desired goals on safety & occupational health. Over all there is commitment of management towards compliance to the statutory requirements is seen and the follow up system need to develop.

Action on the safety audit report is important. The Audit compliance follow up team should be formed. Suggestions, recommendations made in the text of this report (summarized in executive summery) to be complied. There should be regular review of the implementation of Audit recommendations by top management.