

Half Yearly Compliance Report**2024****01 Dec(01 Apr - 30 Sep)****Acknowledgement**

Proposal Name	Expansion of Agrochemicals, Synthetic Organic Chemicals & their intermediates manufacturing plant		
Name of Entity / Corporate Office	GHARDA CHEMICALS LIMITED		
Village(s)	KALYAN DOMBIVALI MUNICIPAL CORPORATION		
District	THANE		
Proposal No.	IA/MH/IND3/427401/2023	Category	Industrial Projects - 3
Plot / Survey / Khasra No.	N/A	Sub-District	Kalyan
State	MAHARASHTRA	Entity's PAN	*****1255E
MoEF File No.	IA-J-11011/55/2023-IA-II(I)	Entity name as per PAN	GHARDA CHEMICALS LIMITED

Compliance Reporting Details

Reporting Year 2024
Remarks (if any)
Reporting Period 01 Dec(01 Apr - 30 Sep)

Details of Production and Project Area

Name of Entity / Corporate Office GHARDA CHEMICALS LIMITED

	Project Area as per EC Granted	Actual Project Area in Possession
Private	0	0
Revenue Land	0	0
Forest	0	0
Others	4.2408	4.2408
Total	4.2408	4.2408

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	1A) Bispyribac Sodium; OR	Tons per Annum (TPA)	31/07/2029	1450	0	1450
2	1B) Diuron & its intermediates; OR	Tons per Annum (TPA)	31/07/2029	1450	1199.38	1450
3	1C) Imazethapyr; OR	Tons per Annum (TPA)	31/07/2029	1450	0	1450
4	1D) Isoproturon; OR	Tons per Annum (TPA)	31/07/2029	1450	0	1450
5	1E) Cyprosulfamide & its intermediates - OR	Tons per Annum (TPA)	31/07/2029	1450	0	1450
6	1F) Aclonifen & its intermediates; OR	Tons per Annum (TPA)	31/07/2029	1450	0	1450
7	1G) Metolachlor; OR	Tons per Annum (TPA)	31/07/2029	1450	0	1450
8	1H) Glufosinate Ammonium; OR	Tons per Annum (TPA)	31/07/2029	1450	0	1450
9	1I) Pyroxsulam; OR	Tons per Annum (TPA)	31/07/2029	1450	0	1450
10	1J) Sulfentrazone & its intermediates; OR	Tons per Annum (TPA)	31/07/2029	1450	0	1450
11	1K) Pinoxaden (Route 1) & its intermediates ; OR	Tons per Annum (TPA)	31/07/2029	1450	0	1450
12	1L) Pinoxaden (Route 2) & its intermediates; OR	Tons per Annum (TPA)	31/07/2029	1450	0	1450
13	1M)Bromoxynil Octanoate & its intermediates OR	Tons per Annum (TPA)	31/07/2029	1450	0	1450
14	1N) Bromoxynil Heptanoate & its intermediates;	Tons per Annum (TPA)	31/07/2029	1450	0	1450
15	1O) Triclopyr Acid Butotyl Ester & its intermediates OR	Tons per Annum (TPA)	31/07/2029	1450	0	1450
16	1Q) Clodinafop Propargyl & its intermediates OR	Tons per Annum (TPA)	31/07/2029	1450	0	1450
17	1P) Sulcotrione & its	Tons per	31/07/2029	1450	0	1450

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	Risk Mitigation and Disaster Management	All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The project proponent shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.
<p>PPs Submission: Complied</p> <p>Necessary precaution are being taken and action plan is available to avoid accidents. Onsite/ Offsite emergency plans are available. considering various incident scenarios, monthly mock drills are being taken. The MSIHC Rules, 1989 and The Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, as applicable, are complied.</p>		Date: 29/11/2024
2	WASTE MANAGEMENT	Process waste & residue (4218 TPA), Spent solvent (1,478 TPA) and Spent activated carbon (26 TPA) from process shall be sent for Incineration at CHWTSDF / Pre-processing or Co processing, Spent catalyst (399 TPA) shall be sent to Authorised recycler / CHWTSDF, Inorganic acid (17,748 TPA) shall be sent to Authorised end user, other hazardous waste from process like Potassium chloride + Potassium fluoride (348 TPA), Calcium carbonate + palladium (486 TPA), Cupric chloride (1508 TPA), Methane sulfinic /sulfonic acid sodium salt (468 TPA), Sodium chloride (603 TPA), Sodium bicarbonate (12865 TPA), Sodium carbonate (8337 TPA) & Sodium sulphite (563 TPA) shall be sent to CHWTSDF /Sale to authorised end user and other hazardous waste from process like Processed chorobutanone (1464 TPA) & methyl acetate (365 TPA) shall be sent to CHWTSDF /Sale to authorized end user/Pre processing /Co-processing.
<p>PPs Submission: Complied</p> <p>Process waste and residue, solvent and spent activated carbon generated from process are sent for incineration at Mumbai Waste Management Limited, Taloja(CHWTSDF). No Spent catalyst generated between Apr-24 to Sept-24 as the related products were not manufactured. No generation of Inorganic acid between Apr-24 to Sept-24 as the related products were not manufactured. No generation of hazardous waste from process Potassium chloride and Potassium fluoride, Calcium carbonate and palladium , Cupric chloride, Methane sulfinic /sulfonic acid sodium salt, Sodium chloride, Sodium bicarbonate, Sodium carbonate and Sodium sulphite between Apr-24 to Sept-24 as the related products were not manufactured. No generation of Hazardous waste from process like Processed chorobutanone and methyl acetate. whenever such hazardous waste generation will be there, it will be sent for Pre processing or to CHWTSDF.</p>		Date: 28/11/2024
3	WASTE MANAGEMENT	Discarded containers/barrels/liners (300 TPA), shall be sent to Authorized decontamination facility / Authorized recyclers / Sent back to suppliers / Sale after decontamination / CHWTSDF, Waste or residues containing oil (4.8 TPA) shall be sent to CHWTSDF / Co-processing / Pre processing, Used/spent oil (10 TPA) shall be sent to Authorized recyclers or refiners / CHWTSDF / Co-processing / Pre-processing, Contaminated cotton rags or other cleaning materials (4.8 TPA) & Date expired and off specifications pesticides (10 TPA), shall be sent for Incineration at CHWTSDF, Chemical sludge from wastewater treatment (MEE salt) (17351 TPA) shall be sent to Secured Landfilling at CHWTSDF / Co-processing and Chemical sludge from wastewater treatment (ETP sludge) (2,200 TPA) shall be

		sent for Secured Landfilling at CHWTSDF and Spent activated carbon (46 TPA) from waste water treatment shall be sent to Incineration at CHWTSDF / Pre-processing / Co-processing.
<p>PPs Submission: Complied</p> <p>Discarded containers/barrels/liners are sent to M/s. Galaxy Enterprises (Authorized decontamination facility). Waste or residue containing oil is sent to Mumbai waste Management Limited, Taloja for incineration (CHWTSDF). Used oil is sent to M/s. Lubricon India (authorised recycler). Contaminated cotton rags or other cleaning materials and Date expired and off specifications pesticides are sent for Incineration at Mumbai waste Management Limited, Taloja (CHWTSDF). Chemical sludge from wastewater treatment (MEE salt) is sent to Secured Landfilling at Mumbai waste Management Limited, Taloja (CHWTSDF). Chemical sludge from wastewater treatment (MEE salt and ETP sludge) is sent for Secured Landfilling at Mumbai waste management Limited, Taloja (CHWTSDF). Spent activated carbon from waste water treatment is sent for pre-processing at Mumbai waste management limited, Taloja (CHWTSDF).</p>		Date: 29/11/2024
4	Statutory compliance	Monitoring of the compliance of EC conditions shall be submitted with third party audit every year.
<p>PPs Submission: Agreed to Comply</p> <p>Monitoring of the compliance of EC conditions shall be submitted with third party audit FY 2024-25.</p>		Date: 30/11/2024
5	MISCELLANEOUS	As proposed, an amount of 90 lakhs shall be allocated towards CER for Livelihood promotion, support to nearby hospitals, support to nearby schools by enabling E-library etc., health awareness camps, improving sanitation and water supply in the area. Moreover, green belt development in the area shall be supported via social forestry, avenue plantation etc. in the government buildings, MIDC roads and buildings.
<p>PPs Submission: Complied</p> <p>Funding for CER activities like support to nearby hospitals, support to nearby schools, health awareness camps in the area is done. Further, green belt development in the area is achieved through avenue plantation etc. in the MIDC colony and MIDC roads.</p>		Date: 29/11/2024
6	MISCELLANEOUS	A separate Environmental Management Cell (having qualified persons 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.
<p>PPs Submission: Complied</p> <p>A separate Environmental Management Cell (Having qualified persons with vast experience of the Environmental background) exist. A full fledged laboratory facilities are available to carry out the Environmental monitoring and analysis functions.</p>		Date: 29/11/2024
7	MISCELLANEOUS	PP shall engage Vice President Environment and Sustainability- Site Head Sr. Manager Environment - Manager Environment- Deputy Manager Environment – ETP in operator - - MEE operator. In addition to this one safety & health officer as per the qualification given in Factories Act 1948 shall be engaged within a month of grant of EC.
<p>PPs Submission: Complied</p> <p>Qualified and experienced staff is available in Environment, Safety and Health departments.</p>		Date: 29/11/2024
8	MISCELLANEOUS	PP should annually submit the audited statement of amount spent towards the engagement of qualified persons in EMC along with details of person engaged to the Regional Office of MoEF & CC

		before 1st July of every year for the activities carried out during previous year.
<p>PPs Submission: Agreed to Comply The expenses towards EMC are tracked and audited statement of amount spent towards the engagement of qualified persons in EMC shall be submitted to the Regional Office of MoEF and CC before 1st July of 2025.</p>		<p>Date: 29/11/2024</p>
9	MISCELLANEOUS	<p>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. The budget proposed under EMP is 48.13 Crore (Capital cost) and Rs. 47.49 Crore per annum (Recurring cost) shall be kept in separate account and should be audited annually. The PP should submit the annual audited statement along with proof of implementation of activities proposed under EMP duly supported by photographs (before & after with geo-location date & time) and other document as applicable to the Regional Office of MoEF & CC before 1st July of every year for the activities carried out during previous year.</p>
<p>PPs Submission: Agreed to Comply All the environmental protection measures and safeguards proposed in the documents submitted to the Ministry are being complied. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project are being implemented. The expenses towards EMP are tracked. We shall submit the annual audited statement along with proof of implementation of activities proposed under EMP duly supported by photographs (before and after with geo-location date and time) and other document as applicable to the Regional Office of MoEF and CC before 1st July for the activities carried out during 2024-25.</p>		<p>Date: 29/11/2024</p>
10	WATER QUALITY MONITORING AND PRESERVATION	<p>The total water requirement shall not exceed 1620 KLD (Fresh water from MIDC Supply- 1088 KLD, recovered water from process- 149 KLD, Recycled Condensate water from boiler- 119 KLD, Rainwater- 48 KLD, treated water from STP- 90 KLD, Treated water from RO & MEE 126 KLD. The PP shall ensure that water supply should not be above the permissible limit and fresh water shall be withdrawn only after obtaining requisite permission from Concerned Authority. The PP should submit the details of utilization to the Integrated Regional Office (IRO), MoEF & CC before 1st July of every year for the activities carried out during the previous year.</p>
<p>PPs Submission: Complied The total water consumption is not exceeding the max. consented quantity. Water withdrawal permission from MIDC is available. We shall submit the details of utilization of water to the Integrated Regional Office (IRO), MoEF and CC before 1st July for the activities carried out during 2024-25.</p>		<p>Date: 29/11/2024</p>
11	Statutory compliance	<p>No banned chemicals shall be manufactured by the project proponent. No banned raw materials shall be used in the unit. The project proponent shall adhere to the notifications/guidelines of the Government in this regard.</p>
<p>PPs Submission: Complied No banned chemical manufacturing is involved and no banned raw materials are being used at unit.</p>		<p>Date: 29/11/2024</p>
12	MISCELLANEOUS	<p>The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO,</p>

		MoEF & CC in this regard.
<p>PPs Submission: Partially Complied Capturing of carbon emitted (Scope 1 and Scope 2 GHG emission) is done and reported on the platforms like Eco-Vadis and CDP disclosures. Also we have started scope 3 (goods and transportation) from apr-24 onwards. We have increased our efforts towards carbon sequestration through expansion in green belt and use of renewable energy(solar and wind). Detailed report shall be submitted to state and central authorities.</p>		Date: 29/11/2024
13	MISCELLANEOUS	The project proponent shall comply with the environment norms for 'Pesticide industry' as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 446 (E), dated 13.6.2011 under the provisions of the Environment (Protection) Rules, 1986.
<p>PPs Submission: Complied Effluent discharge, air emission and other Environment norms for Pesticide industry as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 446 (E), dated 13.6.2011 under the provisions of the Environment (Protection) Rules, 1986 are being complied.</p>		Date: 30/11/2024
14	Statutory compliance	The project proponent shall comply with the environment norms for 'synthetic organic chemicals' as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 608 (E), dated 21st July, 2010 under the provisions of the Environment (Protection) Rules, 1986.
<p>PPs Submission: Complied Environment norms for synthetic organic chemicals as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 608 (E), dated 21st July, 2010 under the provisions of the Environment (Protection) Rules, 1986 are being complied.</p>		Date: 29/11/2024
15	MISCELLANEOUS	The transportation load on roads shall be within their carrying capacity and adequate width of roads shall be maintained inside the industrial premises.
<p>PPs Submission: Complied RCC and Ashphalt road with adequate width are provided for the transportation inside our premises and are well maintained.</p>		Date: 29/11/2024
16	AIR QUALITY MONITORING AND PRESERVATION	Adequate stack height as per CPCB/SPCB guidelines shall be provided. Stack emission levels shall be stringent than the existing standards.
<p>PPs Submission: Complied Adequate stack height is provided and Stack emission levels are below the standards mentioned in CTO given by MPCB.</p>		Date: 28/11/2024
17	AIR QUALITY MONITORING AND PRESERVATION	CEMS shall be installed and connected to SPCB/CPCB Server
<p>PPs Submission: Complied CEMS system is installed and connected to MPCB, CPCB and CETP server.</p>		Date: 28/11/2024
18	MISCELLANEOUS	Effective fugitive emission control measures like provision of scrubbers, vent condensers, closed handling of hazardous chemicals, etc. are adopted in the process, transportation, packing etc.
<p>PPs Submission: Complied Effective fugitive emission control measures like provision of scrubbers, vent condensers, closed</p>		Date:

handling of hazardous chemicals, etc. are adopted in the process, transportation, packing etc.		28/11/2024
19	MISCELLANEOUS	Transportation of materials by rail/conveyor belt, wherever feasible, shall be explored.
PPs Submission: Agreed to Comply Transportation of materials by rail/conveyor belt shall be done wherever applicable. Currently it is not required.		Date: 28/11/2024
20	MISCELLANEOUS	As proposed, agro-briquettes shall be used as a primary fuel in the boiler and coal with added Lime for desulphurization shall be used as a secondary fuel, LDO/ LSHS Premium shall be used during the unavailability of agro briquettes. The secondary fuel may be phased out over a period of 5 years
PPs Submission: Complied The agro-briquettes are used as primary fuel and coal with lime addition for desulphurization is being used as secondary fuel. It is planned to phase out Coal by shifting to natural gas as per it's availability.		Date: 29/11/2024
21	MISCELLANEOUS	The best available technology shall be used
PPs Submission: Complied Best advance manufacturing and effluent treatment technologies are being used.		Date: 28/11/2024
22	GREENBELT	The PP shall develop/maintain greenbelt over an area of (41.0%) 9009.45 sqm (i.e.,21.2 % of total plot area) within the site and balance 8377.11 sq.m in the surroundings area within the MIDC (i.e., 19.8 % of total plot area), preferably within one year of grant of EC. The 3707 number of saplings shall be planted and should be of sufficient height, preferably 6-ft. The budget earmarked for the plantation shall be kept in a separate account and should be audited annually. The PP should annually submit the audited statement along with proof of activities viz. photographs (before & after with geo-location date & time), details of expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF & CC before 1st July of every year for the activities carried out during previous year.
PPs Submission: Complied Inside GB area-9009.45 sqm Outside GB area-8377.11 sqm Total saplings planted in 2024(till 30th September)- 204 Nos. The budget earmarked for the plantation is kept in a separate account and shall be audited annually. Details of Green belt development shall be submitted to Regional Office of MoEF and CC before 1st July of every year for the activities carried out during the year 2024-25.		Date: 29/11/2024
23	GREENBELT	Unit shall also develop additional avenue plantation in the nearby of the project site within the MIDC area .
PPs Submission: Complied We have developed additional tree plantation in MIDC colony and avenue plantation alongside MIDC roads.		Date: 29/11/2024
24	WATER QUALITY MONITORING AND PRESERVATION	The wastewater generated is treated in STP, ETP, RO, MEE and reused within the process wherever feasible.
PPs Submission: Complied High TDS streams after pre-treatment are sent to MEE along with RO reject. MEE solids are sent to		Date:

<p>CHWTSDF for disposal. MEE condensate is partly recycled in process and remaining is sent to ETP for further treatment. Low TDS effluent streams are treated in ETP and then discharged to CETP. Utility effluent streams are treated in Reverse Osmosis (RO) system; RO permeate is recycled in process; RO reject is partly reused in plants scrubbers and remaining is sent to MEE for treatment. Domestic effluent generated from washroom, canteen are treated in 100 KLD STP and treated water is reuse for gardening.</p>		28/11/2024
25	<p>WATER QUALITY MONITORING AND PRESERVATION</p>	<p>Continuous monitoring of effluent quality shall be monitored which shall be connected to the SPCB and CPCB server.</p>
<p>PPs Submission: Complied Continuous online Effluent quality monitoring system is installed at outlet of treated effluent for monitoring and it is connected to the CPCB, MPCB and CETP servers.</p>		<p>Date: 28/11/2024</p>
26	<p>WATER QUALITY MONITORING AND PRESERVATION</p>	<p>All storm water outlets shall be provided with concrete barrier throughout the non-rainy season. Runoff of 1st & 2nd rainfall from rooftops other than above mentioned areas and surface area shall be channelized to ETP for treatment and from 3rd rainfall onwards concrete barrier is broken & runoff shall be channelized to the nearby storm water drainage of MIDC.</p>
<p>PPs Submission: Complied Concrete barriers are provided to storm water drainage throughout the non-rainy season. 1st and 2nd rainfall runoff is collected into the pit and transfer to ETP for the treatment and from 3rd rainfall onwards it is diverted to process water tank for re-use to maximum extent through rain water harvesting system and remaining rain water is channelized to the storm water drainage of MIDC.</p>		<p>Date: 29/11/2024</p>
27	<p>WATER QUALITY MONITORING AND PRESERVATION</p>	<p>The total discharge to CETP shall be 590 KLD.</p>
<p>PPs Submission: Complied Treated effluent discharge to CETP does not exceed 590 KLD.</p>		<p>Date: 28/11/2024</p>
28	<p>WATER QUALITY MONITORING AND PRESERVATION</p>	<p>Domestic wastewater generation shall be 95 KLD and same shall be treated in the proposed STP of capacity 100 KLD and treated water of 90 KLD shall be reused in gardening (30 KLD) and cooling (60 KLD).</p>
<p>PPs Submission: Complied Domestic wastewater generation does not exceed 95 KLD and same is treated into 100 KLD STP. Treated sewage is reused for gardening and cooling tower.</p>		<p>Date: 28/11/2024</p>
29	<p>WASTE MANAGEMENT</p>	<p>Quantity of Boiler ash shall increase to 2550.6 TPA and same shall be sold to Cement / brick manufacturers.</p>
<p>PPs Submission: Complied Generated Boiler fly ash is sold to cement / brick manufacturer.</p>		<p>Date: 28/11/2024</p>
30	<p>AIR QUALITY MONITORING AND PRESERVATION</p>	<p>The volatile organic compounds (VOCs)/ Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.</p>
<p>PPs Submission: Complied The volatile organic compounds (VOCs)/Fugitive emissions are controlled with effective chillers/modern technology. Regular monitoring of VOCs is being carried out.</p>		<p>Date: 29/11/2024</p>

31	Statutory compliance	The storage of toxic/hazardous 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.
PPs Submission: Partially Complied Toxic/hazardous raw materials are stored generally on 3-7 days basis. Quantity and days of storage shall be submitted to the Regional Office of Ministry and MPCB along with the compliance report.		Date: 29/11/2024
32	Human Health Environment	The 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.
PPs Submission: Complied The occupational health centre (OHC) for surveillance of the workers health is in place. The workers health data is used in deploying the duties of the workers. All workers and employees are provided with required PPEs as applicable for personal protection.		Date: 29/11/2024
33	Statutory compliance	Training shall be imparted to all employees on safety and health aspects for handling chemicals. Safety and visual reality training shall be provided to employees. Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies.
PPs Submission: Complied Training is imparted to all employees on safety and health aspects for handling chemicals as per SOPs, work Instructions and onsite emergency plan. Safety and visual reality training is also provided to the employees. Action plan for mitigation measures are properly implemented based on the safety and risk assessment studies.		Date: 29/11/2024
34	Statutory compliance	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.
PPs Submission: Complied Necessary fire-fighting system as per the norms is in place. Its 6 monthly audit is conducted and report in Form B is submitted to Fire Dept., MIDC.		Date: 29/11/2024
35	Statutory compliance	The 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.
PPs Submission: Complied (a) Reactors wherein solvents are handled are connected to primary (Cooling/Chilling water) and secondary (chilled brine) condensers. (b) Reactors and pumps handling solvent have been provided mechanical seals in order to prevent leakages. (c) Solvents are stored in dedicated tank farm area and appropriate safety measures are being taken. (d) Earthing is provided in all the electrical equipment wherever solvent handling is done. Double earthing is also provided to Reactors, tanks and other mechanical equipments wherein solvent is handled. (e) Tank farm storage area is flame proof. The solvent storage tanks are provided with breather valve to prevent losses, wherever applicable. (f) All the low boiling solvent storage tanks are connected with vent condensers with chilled water/brine circulation.		Date: 29/11/2024

36	MISCELLANEOUS	<p>The PP 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 cleaning to reduce wastewater generation.</p>
<p>PPs Submission: Complied (a) Flow meters/ metering pumps/on-off valves and digital weighing balance are available to measure raw materials for accurate quantity addition so as to minimize wastages. (b) By-products are re-used in the process wherever applicable. For example, HCl i.e. by-product is re-used in the same process as well as in the ETP. (c) Automated filling machines are used to avoid spillage of products. (d) Closed raw material feeding system is used for reactors. (e) Reactor/tanks handling solvents are vented through vapour recovery system having primary and secondary condensers. (f) High pressure water jet is use for cleaning to reduce wastewater generation.</p>		<p>Date: 29/11/2024</p>
37	AIR QUALITY MONITORING AND PRESERVATION	<p>Adequate Scrubbers shall be provided to control process emissions viz. Ammonia, HCl, HF, CH₃Cl, DMA, Cl₂, NO_x, Br₂ and SO₂. The scrubbing media shall be reclaimed or sent to effluent treatment plant (ETP) for treatment. Efficiency of scrubber shall be monitored regularly and maintained properly. At no time, the emission levels shall go beyond the prescribed standards.</p>
<p>PPs Submission: Complied Adequate two stage scrubbers are provided to control process emission. The waste water generated in scrubbing system sent to MEE for the treatment prior to disposal at CETP. Currently Ammonia, HF, CH₃Cl, DMA, NO_x and Br₂ scrubber are not in operation as related products are not being manufactured. At any time process emission levels are below the prescribed standards.</p>		<p>Date: 29/11/2024</p>
38	WATER QUALITY MONITORING AND PRESERVATION	<p>Total wastewater generation after expansion shall not exceed 889 KLD. Domestic sewage of 95 KLD shall be treated in STP and the treated water shall be reused in gardening and cooling tower make up. Cooling tower blowdown of 72 KLD shall be treated in RO. RO reject will be sent to MEE & RO Permeate obtained will be reused in the cooling tower. A high concentration stream of 378 KLD including High COD-TDS process wastewater & scrubbing wastewater will be treated in MEE. MEE condensate shall be partially sent to ETP for further treatment and rest for reuse in cooling towers and MEE concentrate shall be sent to ATFD. Low concentration stream of 344 KLD including R&D Lab & Pilot plant effluent, Low COD-TDS process wastewater & Boiler blowdown & steam condensate shall be treated in ETP. Treated water of 590 KLD from ETP shall be discharged to CETP after meeting the standards prescribed by SPCB/CETP. As proposed, after expansion, the capacity of treatment units will be STP- 100 KLD, RO-400 KLD, MEE- 470 KLD & ETP- 620 KLD.</p>
<p>PPs Submission: Complied Waste water generation within consented limit Domestic waste water is treated in 100 KLD STP and treated sewage is being reused for gardening and cooling tower makeup. Cooling tower blowdown is treated in 400 KLD RO unit and RO reject is sent to MEE. Permeate is being reused in cooling tower makeup. High concentration effluent streams having High COD-TDS process wastewater and scrubbing wastewater are treated in five stage 470 KLD MEE. MEE condensate is partly sent to ETP for further treatment and rest is sent for reuse in cooling towers and MEE concentrate is sent to Centrifuge/ATFD. MEE salts are disposed at Mumbai waste Management Limited, Taloja. Low concentration streams including RandD Lab and Pilot plant effluent, Low COD-TDS process wastewater, Boiler blowdown and steam condensate is treated in 620 KLD ETP. Treated water from ETP plant is discharged to CETP after meeting the standard prescribed by CETP/ MPCB .</p>		<p>Date: 29/11/2024</p>

39	MISCELLANEOUS	PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority
PPs Submission: Partially Complied Awareness training on ban of Single use plastic is conducted among all the employees. Awareness campaigns shall be extended upto nearby communities also by providing them with cloth bags. A report along with photographs on the measures taken in this regard shall also be included in the six-monthly compliance report.		Date: 29/11/2024
General Conditions		
Sr.No.	Condition Type	Condition Details
1	Noise Monitoring & Prevention	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
PPs Submission: Complied The overall noise levels in and around the plant area is kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. Periodic noise monitoring from MOEF approved lab is carried out. The noise levels are within the prescribed norms.		Date: 29/11/2024
2	MISCELLANEOUS	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities shall be undertaken by involving local villages & administration. The company shall undertake eco developmental measures including community welfare measures in the project area for the overall improvement of the environment.
PPs Submission: Complied In order to improve the socio economic conditions, many CER/CSR activities are being undertaken which also covers eco-developmental issues including community welfare measures in the project area for the overall improvement of the environment.		Date: 29/11/2024
3	MISCELLANEOUS	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.
PPs Submission: Complied In the annual budget of Environment department, sufficient funds towards capital and recurring costs towards EMP measures are earmarked. The funds so earmarked for environment management/ pollution control measures are not diverted for any other purpose.		Date: 29/11/2024
4	Statutory compliance	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.

<p>PPs Submission: Complied A copy of the clearance letter was submitted to the Kalyan Dombivli Municipal Corporation.</p>		<p>Date: 29/11/2024</p>
5	MISCELLANEOUS	<p>The project proponent shall also upload/submit six monthly reports on Parivesh Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated 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.</p>
<p>PPs Submission: Partially Complied Six monthly compliance report shall be uploaded on parivesh portal on June 1st and Dec 1st every year as per the guidelines. A copy of EC letter is posted on company website and six monthly compliance report shall be updated on company website in due course.</p>		<p>Date: 29/11/2024</p>
6	Statutory compliance	<p>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 Integrated Regional Office of MoEF & CC by e-mail.</p>
<p>PPs Submission: Partially Complied Environment Statement in Form V FY 2023-24 was submitted on MPCB portal on 29.09.2024. Environment Statement in Form V is also posted on the website of the company. Further copies will be emailed to IRO of MoEF and CC and uploaded on company website in due course. Status of compliance of environmental clearance conditions shall be posted on company website and shall be sent to the respective Integrated Regional Office of MoEF and CC by e-mail.</p>		<p>Date: 29/11/2024</p>
7	MISCELLANEOUS	<p>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.</p>
<p>PPs Submission: Complied The intimation regarding information to the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the MPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/ was published in local newspapers, Pudhari and Freepress journal, dated 02.01.2024.</p>		<p>Date: 29/11/2024</p>
8	MISCELLANEOUS	<p>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.</p>
<p>PPs Submission: Agreed to Comply The date of financial closure and final approval of the project shall be informed to Regional Office as well as the Ministry.</p>		<p>Date: 29/11/2024</p>
9	MISCELLANEOUS	<p>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.</p>

PPs Submission: Agreed to Comply Noted, no further compliance is envisaged.		Date: 29/11/2024
10	MISCELLANEOUS	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, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
PPs Submission: Agreed to Comply Prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable shall be taken in case of Expansion or modification in the plant.		Date: 29/11/2024
11	Statutory compliance	The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 and other rules notified under various Acts.
PPs Submission: Complied The MSIHC Rules 1989, Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, HOW(M and TM) Rules, 2016 as applicable, are complied.		Date: 29/11/2024
12	ENERGY PRESERVATION MEASURES	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
PPs Submission: Complied The energy source for lighting purpose is preferably LED based, or advanced having preference in energy conservation and environment betterment. We have also installed rooftop solar pannel of 60 KW and also using wind power through open access mode scheme.		Date: 29/11/2024
Visit Remarks		
Last Site Visit Report Date:		N/A
Additional Remarks:		
<p style="color: red; text-align: center;">Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.</p>		