

Purvash Jitendra Kumar Soni/SCM/Ankleshwar

From: Purvash Jitendra Kumar Soni/SCM/Ankleshwar
Sent: 10 November 2022 13:30
To: iro.gandhingr-mefcc@gov.in; ec-rdw.cpcb@gov.in; eccompliance-guj@gov.in; Rashesh R. Vyas (GoG-GPCB Dept.)
Cc: Mritunjay Chaubey/SCM/Mumbai; Vikas Garg/SCM/Mumbai; Vinod Singh/SCM/Ankleshwar; Ramashanker M. Tiwari/SCM/Ankleshwar; Kumarprakash/SCM/Ankleshwar
Subject: UPL Limited - Unit 01 - Ankleshwar : Submission of Half Yearly EC Condition Compliance Report - April 2022 To September 2022
Attachments: UPL Limited_Unit 01 - Ankleshwar Half Yearly Compliance to EC Conditions_April 22 To September 22.pdf

To,
Deputy Director General of Forests (C),
Ministry of Environment, Forest, and Climate Change,
Integrated Regional Office, Gandhi Nagar
A wing- 407 & 409, Aranya Bhawan,
Near CH-3 Circle, Sector-10A,
Gandhi Nagar-382010

Dear Sir,

Sub: - Half yearly Compliance Report to conditions of Environmental Clearance (April 2022 to September 2022)

Ref: - (1) Environmental Clearance J.11011/117/2002-IA. II dated 17.07.2003.
(2) Environmental Clearance J.11011/407/2006-IA. II(I) dated 04.04.2007 for Product Mix Change
(3) Environmental Clearance J-11011/582/2017-IA-II(I) dated 29/11/2019
(4) MoEF &CC Notification No. S.O 5845(E) dated 26th November,2018

Kindly refer above Environmental Clearance (Ref 1 & Ref 3) granted to our Unit # 01 located at Plot # 117 / 118, GIDC Notified Industrial Estate, Ankleshwar – 393 002, Dist. – Bharuch, Gujarat.

We are sending herewith the half yearly compliance report along with various other required details with respect to our Unit # 01 for your kind reference and records. The details given are with respect to the period of April 2022 to September 2022.

Kindly refer above Environmental Clearance (Ref 2) # J.11011/407/2006-IA. II(I) dated 04.04.2007 granted to our Unit # 1- This was for product mix change. We have not implemented and not obtained NOC (CTE).

Now in compliance to MOEF&CC OM No. IA3-22/1/2022-IA-III [E-172624] dated 14th June 2022, We have uploaded compliance of condition to Parivesh portal. The compliance report uploaded at portal is enclosed herewith.

We hope that the above is in order. In case you need any additional information, we can provide the same on hearing from you.

Thanking you,

Yours faithfully,
For, UPL Limited

Vinod Singh
(Unit Head)

Encl : a/a
Copy to: The Zonal Officer
Central Pollution Control Board
Parivesh Bhavan
Opp VMC Ward Office # 10
Subhan Pura, Vadodara – 390 023

The Regional Officer
Gujarat Pollution Control Board
Ankleshwar – 393 002
GPCB XGN ID # 15833



UPL Limited, Unit - 1
Plot No. 117 / 118, GIDC
Dist. Bharuch, Ankleshwar 393 002
Gujarat, India

w: upl-ltd.com
t: +91 2646 251013

Date: -09-11-2022

To,
**Deputy Director General of Forests (C),
Ministry of Environment, Forest, and Climate Change,
Integrated Regional Office, Gandhi Nagar
A wing- 407 & 409, Aranya Bhawan,
Near CH-3 Circle, Sector-10A,
Gandhi Nagar-382010**

Dear Sir,

BY RPAD

Sub: - Half yearly Compliance Report to conditions of Environmental Clearance (April 2022 to September 2022)

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Kindly refer above Environmental Clearance (Ref 2) # J.11011/407/2006-IA. II(I) dated 04.04.2007 granted to our Unit # 1- This was for product mix change. We have not implemented and not obtained NOC (CTE).

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For, UPL Limited

Vinod Singh
(Unit Head)

Encl : a/a
Copy to:

The Zonal Officer
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Opp VMC Ward Office # 10
Subhan Pura, Vadodara - 390 023

The Regional Officer
Gujarat Pollution Control Board
Ankleshwar - 393 002
GPCB XGN ID # 15833

EC Conditions Six Monthly Compliance Report

(by Project Proponent)



Proposal No : IA/GJ/IND/19488/2003

1. Name of the Entity / Corporate Office :

2. Proponent Details :

3. Compliance Letter/Report (Proponent):






4. Summary Status of Compliance :






Total Condition :	48		
Complied :	48	Being Complied :	0
Not Complied :	0	Partially Complied :	0
Agreed to Comply :	0		






5. Details of Production and Project Area :






6. Specific Conditions (Proponent) :




S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	The process emissions (SPM, HCl, SO ₂ , methyl chloride and volatile organic carbon) should be scrubbed through caustic venturi scrubber and conform to prescribed standards. The efficiency of the scrubber should be improved and maintained as per the best practicable technology. VOC data should be monitored and submitted to the Ministry. Additional venturi scrubbers for Mancozeb, Penoxaline, Phosphamidon plant and a Scrubber for Cartap plant should be installed in addition to the process scrubbers.	Complied	The unit has installed appropriate air pollution control devices like Bag Filters, Water Scrubbers, Caustic Scrubbers, Acid Scrubbers & Cyclone. The more details are attached.		
2	As per the Charter on Corporate Responsibility on Environment Protection, the bio-assay test should be replaced by Toxicity Factor test method developed by CPCB. Toxicity factor of four (TF-4) should be achieved by December 2003 and TF-2 by July 2006. Action plan in this	Complied	The unit has achieved Tf factor less than 2 for treated wastewater from ETP. The company has established in-house captive monitoring		

	regard should be submitted within three months on issue of this letter.		facility for treated wastewater parameter monitoring.		
3	The Company should undertake rainwater harvesting measures as per action plan in this regard submitted to this Ministry.	Complied	The unit has implemented rainwater harvesting at Admin Building, Canteen R&D and QA & QC Buildings as per action plan submitted to MoEF & CC. The total 1748 Sq M Roof Top area is covered.		
4	"The gaseous emissions (SO ₂ , NO _x , HCl, HC and Cl ₂) and particulate matter from various process units should conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels should go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit should not be restarted until the control measures are rectified to achieve the desired efficiency."	Complied	The unit has installed Bag Filters, Water Scrubbers, Caustic Scrubbers, Acid Scrubbers & Cyclones for control of Gaseous emission. the more details is attached.		
5	The destructive efficiency of the incinerator should be assessed by an agency like the Central Pollution Control Board and a report submitted. The Company should monitor VOCs and data submitted to the Ministry /CPCB/SPCB regularly.	Complied	Company has discontinued operation of Incinerator since April 2004. The copy of letter submitted to MoEF is attached.		
6	"The project proponent shall comply with the environmental protection measures and safeguards recommended in EIA/EMP/Risk Analysis reports as well as the recommendations of the public hearing panel."	Complied	The Summarized EMP and Implementation status is given in attachment.		
7	As reflected in the EIA /EMP report, effluent generation should not exceed 195m ³ /d. The waste streams should be segregated into high and low pollution load streams. The effluent with high organic load shall be incinerated and dilute streams i.e. from R&D, washing, domestic, dilute streams from process and scrubber blow down should be given primary, secondary, and tertiary treatment before discharging into GIDC drain. The treated effluent should conform to the prescribed standards. The non-toxic ef	Complied	The more details is attached.		



8	Green belt of adequate width and density in an project area of 0.2 ha. in addition to 3.66 ha. of area already afforested should be provided to mitigate the effect of fugitive emissions all-round the plant. The development of green belt along the boundary wall, open space and avenue roads should be improved in consultation with the local DFO as per the CPCB guidelines.	Complied	The unit was established in 1980-81 at notified industrial estate, GIDC, Ankleshwar. Till date 3.86 Hectore of factory area is developed as green belt as per CPCB Guidelines. the details is attached.		
9	"Fugitive emissions in the workplace environment, product, raw material storage areas must be regularly monitored. The flue gas emissions should conform to the standards prescribed by the Gujarat Pollution Control Board."	Complied	Fugitive emission monitoring at workplace environment, product, raw material storage area being carried out by QA Department. the details report are attached.		
10	"The waste stream should be treated suitably before taking into solar evaporation pond. Solvents from the effluent should be recovered before discharging into the solar evaporation As reflected in the EIA /EMP report, the Company should install forced evaporation system for aqueous waste to avoid discharge of effluent into solar evaporation pond."	Complied	Company has discontinued Solar Evaporation ponds from August 2007. The correspondence for discontinuation of solar evaporation has been submitted to MoEF, New Delhi in August 2007.		
11	The Company should adopt waste minimization/cleaner production techniques to reduce the pollution load and action plan in this regard should be submitted to the Ministry within three months.	Complied	The unit has special team like Maxpro, Maxpro+, Green Cell & R & D for resource reduction and recovery improvement, yield improvement and waste conversion to valuable products.	N/A	
12	The Company should recover methyl chloride (CH ₃ Cl) by installation of CH ₃ Cl recovery plant. Further, solvent recovery should be improved, and attempts should be made to achieve at least 90% recovery, wherever possible. Rest of the solvents, which can't be recovered should be incinerated. Action plan in this regard should be submitted to the Ministry within three months.	Complied	Methyl Chloride Plant is in operation with recovery of 97%. The more details is attached.		
13	"The Company should upgrade existing incinerator for incineration of hazardous waste. The organic waste, solid waste generated from	Complied	Company has discontinued operation of Incinerator for disposal of		






	<p>the unit should be collected and incinerated for total destruction.As reflected in the EIA / EMP report, the solid waste and the ash obtained after incinerator should be stored within the plant premises in a pit with impervious flooring and leachate collection system.The incinerated ash and the sludge from ETP should be finally disposed of in a common Treatment, Sto</p>		<p>Hazardous Waste.the more details is attached.</p>		
14	<p>"The project proponent shall comply with the environmental protection measures and safeguards recommended in EIA/EMP/Risk Analysis reports as well as the recommendations of the public hearing panel."</p>	Complied	<p>The Summarized EMP and Implementation status is given in attachment.</p>		
15	<p>"The gaseous emissions (SO₂, NO_x, HCl, HC and Cl₂) and particulate matter from various process units should conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels should go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit should not be restarted until the control measures are rectified to achieve the desired efficiency."</p>	Complied	<p>The details report are attached.</p>		
16	<p>"Fugitive emissions in the workplace environment, product, raw material storage areas must be regularly monitored.The flue gas emissions should conform to the standards prescribed by the Gujarat Pollution Control Board."</p>	Complied	<p>Fugitive emission monitoring at workplace environment, product, raw material storage area being carried out by QA Department.the details report are attached.</p>		
17	<p>The process emissions (SPM, HCl, SO₂, methyl chloride and volatile organic carbon) should be scrubbed through caustic venturi scrubber and conform to prescribed standards.The efficiency of the scrubber should be improved and maintained as per the best practicable technology.VOC data should be monitored and submitted to the Ministry Additional venturi scrubbers for Mancozeb, Penoxaline, Phosphamidon plant and a Scrubber for Cartap plant should be installed in addition to the process scrubbers alr</p>	Complied	<p>The more details are attached.</p>		
18	<p>"The waste stream should be treated suitably before taking into solar evaporation pond.</p>	Complied	<p>The details report are attached.</p>		





	Solvents from the effluent should be recovered before discharging into the solar evaporation As reflected in the EIA /EMP report,the Company should install forced evaporation system for aqueous waste to avoid discharge of effluent into solar evaporation pond."				
19	The destructive efficiency of the incinerator should be assessed by an agency like the Central Pollution Control Board and a report submitted. The Company should monitor VOCs and data submitted to the Ministry /CPCB/SPCB regularly.	Complied	Company has discontinued operation of Incinerator since April 2004. The incinerable waste has been sent to common incineration facility to BEIL Ankleshwar. The copy of letter submitted to MoEF is		
20	The Company should adopt waste minimization/cleaner production techniques to reduce the pollution load and action plan in this regard should be submitted to the Ministry within three months.	Complied	The details report are attached.		
21	The Company should undertake rainwater harvesting measures as per action plan in this regard submitted to this Ministry.	Complied	The unit has implemented rainwater harvesting at Admin Building, Canteen R&D and QA & QC Buildings as per action plan submitted to MoEF & CC. The total 1748 Sq M Roof Top area is covered.		
22	As reflected in the EIA /EMP report, effluent generation should not exceed 195m ³ /d.The waste streams should be segregated into high and low pollution load streams. The effluent with high organic load shall be incinerated and dilute streams i.e. from R&D, washing, domestic, dilute streams from process and scrubber blow down should be given primary, secondary, and tertiary treatment before discharging into GIDC drain.The treated effluent should conform to the prescribed standards.The non-toxic ef	Complied	The details report are attached.		
23	The Company should recover methyl chloride (CH ₃ Cl) by installation of CH ₃ Cl recovery plant.Further, solvent recovery should be improved, and attempts should be made to achieve at least 90% recovery, wherever possible.Rest of the solvents,	Complied	The details report is attached.		






	which can't be recovered should be incinerated. Action plan in this regard should be submitted to the Ministry within three months.				
24	"The Company should upgrade existing incinerator for incineration of hazardous waste. The organic waste, solid waste generated from the unit should be collected and incinerated for total destruction.As reflected in the EIA / EMP report, the solid waste and the ash obtained after incinerator should be stored within the plant premises in a pit with impervious flooring and leachate collection system.The incinerated ash and the sludge from ETP should be finally disposed of in a common Treatment, Sto	Complied	The details of report are attached.		
25	As per the Charter on Corporate Responsibility on Environment Protection, the bio-assay test should be replaced by Toxicity Factor test method developed by CPCB. Toxicity factor of four (TF-4) should be achieved by December 2003 and TF-2 by July 2006. Action plan in this regard should be submitted within three months on issue of this letter.	Complied	The details of report are attached.		
26	Green belt of adequate width and density in an project area of 0.2 ha. in addition to 3.66 ha. of area already afforested should be provided to mitigate the effect of fugitive emissions all-round the plant. The development of green belt along the boundary wall, open space and avenue roads should be improved in consultation with the local DFO as per the CPCB guidelines.	Complied	The details report are attached.		





7. General Conditions (Proponent) :

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	"The implementation of the project I Environmental Action Plans will be monitored by Ministry's Regional Office at Bhopal/Gujarat Pollution Control Board/ Central Pollution Control Board. A six-monthly compliance status report should be submitted to the monitoring agencies.	Complied	The project has been Implemented with environmental Action plan.the more details is attached.		
2	"The Project Proponent should inform the public that the project has been accorded environmental clearance by the Ministry and copies of the	Complied	The unit has recived environmental clearance latter on 1/8/2003 &		

	clearance letter are available with the State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This should 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		published in Gujarati newspaper Guj.Samachar and English newspaper-Times of India on 4/8/2003;and copies submitted to GPCB and Moef.		
3	The project Authorities should 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 commencing the land development work, if any.	Complied	The unit has not taken any loan from Bank OR Financial Institute as the capital investment adjusted internally. Hence Financial Closure is not applicable.		
4	"The project authorities will provide adequate funds both for recurring and non-recurring expenditure to implement the conditions stipulated by the Ministry of Environment & Forests as well as the State Government along with the implementation schedule for all conditions stipulated herein. The funds should not be diverted for any other purposes."	Complied	The funds are already provided as part of manufacturing activities and operation of ETP and disposal of Hazardous/Non-Hazardous wastes.the more details is attached.		
5	A separate Environment Management Cell equipped with full-fledged laboratory facilities must be set up to carry out the Environmental Management and monitoring functions.	Complied	The details of report are attached.		
6	Occupational health surveillance programme should be undertaken as regular exercise for all the employees, specifically for those engaged in handling hazardous substances.First aid facilities in the Occupational Health Care Centre should be strengthened and medical records of each employee should be maintained separately.	Complied	The unit has provided in-plant clinic facility with resident doctor.The in-plant clinic is facilitated with latest medical equipment,antidot and essential medicines.the recorde has been maintained.	N/A	
7	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board.	Complied	We comply all the stipulations made in CC&A by GPCB.The complance to granted consent as ammended is attached.		
8	No further expansion or modifications in the plant should be carried out without prior approval of the Ministry	Complied	The unit has obtained Expansion Environmental		

	of Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess adequacy of the conditions imposed and to add additional environmental protection measures required, if any.		Clearance from MOEF in year 2019 and Amendment to EC in year 2020. The CTE from GPCB for EC has been obtained. the copy of Expansion EC is attached.		
9	"The overall noise levels in and around the plant area should be kept well within the standards (85dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc., on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under the Environment (P) Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night time)."	Complied	The workplace noise monitoring at plant areas has been regularly conducted by internal laboratory. Ambient Noise level in the unit conforms to the stipulated standards. the more details is attached.		
10	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management and Handling) Rules, 2000. Authorization from the State Pollution Control Board must be obtained for collection, storage, treatment and disposal of hazardous wastes.	Complied	The company has implemented Hazardous waste collection, storage, and disposal system as per applicability of HWM Rules 2016. The unit has obtained GPCB CTO vide GPCB CC&A AWH-111411 dated 19.05.2021.		
11	The project authorities must strictly comply with the rules and regulations under the Manufacture, Storage and Import of Hazardous Chemicals Rules, 2000. Prior approvals of Chief Inspector of Factories, Chief Inspector of Explosives, Fire Safety Inspectorate etc., must be obtained.	Complied	The company is complying to MSIHC Rules by implementation of MSIHC Rules requirements. The company conducts mock drills, safety audit, onsite emergency plan implementation.	N/A	
12	No further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess adequacy of the conditions imposed and to add additional environmental protection measures required, if any.	Complied	The unit has obtained Expansion Environmental Clearance from MOEF in year 2019 and Amendment to EC in year 2020. The CTE from GPCB for EC has been obtained. the copy of Expansion EC is attached.		
13	The project authorities must strictly comply with the rules	Complied	The company is complying to		

	and regulations under the Manufacture, Storage and Import of Hazardous Chemicals Rules, 2000. Prior approvals of Chief Inspector of Factories, Chief Inspector of Explosives, Fire Safety Inspectorate etc., must be obtained.		MSIHC Rules by implementation of MSIHC Rules requirements.the details are attached.		
14	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management and Handling) Rules, 2000. Authorization from the State Pollution Control Board must be obtained for collection, storage, treatment and disposal of hazardous wastes.	Complied	The company has implemented Hazardous waste collection, storage, and disposal system as per applicability of HWM Rules 2016. The unit has obtained GPCB CTO vide GPCB CC&A AWH-111411 dated 19.05.2021.		
15	"The overall noise levels in and around the plant area should be kept well within the standards (85dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc., on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under the Environment (P) Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night time)."	Complied	The workplace noise monitoring at plant areas has been regularly conducted by internal laboratory.The monitoring results of Ambient Noise level at different location around Plant areas is attached.		
16	A separate Environment Management Cell equipped with full-fledged laboratory facilities must be set up to carry out the Environmental Management and monitoring functions.	Complied	The details of report are attached.		
17	Occupational health surveillance programme should be undertaken as regular exercise for all the employees, specifically for those engaged in handling hazardous substances.First aid facilities in the Occupational Health Care Centre should be strengthened and medical records of each employee should be maintained separately.	Complied	The details of report are attached.		
18	The project Authorities should 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 commencing the land development work, if any.	Complied	The unit has not taken any loan from Bank OR Financial Institute as the capital investment adjusted internally. Hence Financial Closure is not applicable. The details report are attached.		

19	"The Project Proponent should inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This should 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	Complied	The unit has received environmental clearance letter on 1/8/2003 & published in Gujarati newspaper Gujarat Samachar and English newspaper-Times of India on 4/8/2003;The copy attached.		
20	"The implementation of the project I Environmental Action Plans will be monitored by Ministry's Regional Office at Bhopal/Gujarat Pollution Control Board/ Central Pollution Control Board. A six-monthly compliance status report should be submitted to the monitoring agencies.	Complied	summary of submissions is given in attachment.		
21	"The project authorities will provide adequate funds both for recurring and non-recurring expenditure to implement the conditions stipulated by the Ministry of Environment & Forests as well as the State Government along with the implementation schedule for all conditions stipulated herein. The funds should not be diverted for any other purposes."	Complied	The year wise details of environmental expenditures are tabulated in attachment.		
22	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board.	Complied	We comply all the stipulations made in CC&A by GPCB.The complance to granted consent as ammended is attached.		

****Note : N/A - Not Available**

PRINT

EC Conditions Six Monthly Compliance Report

(by Project Proponent)



Proposal No : IA/GJ/IND2/80387/2017

1. Name of the Entity / Corporate Office :

2. Proponent Details :

3. Compliance Letter/Report (Proponent):





4. Summary Status of Compliance :





Total Condition :	38		
Complied :	38	Being Complied :	0
Not Complied :	0	Partially Complied :	0
Agreed to Comply :	0		








5. Details of Production and Project Area :



6. Specific Conditions (Proponent) :

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	CTE/CTO for the project shall be obtained from the SPCB as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974, and the SPCB shall follow the mechanism/protocol issued by the Ministry vide letter no. Q-16017/38/2018-CPA dated 24th October, 2019 while issuing the CTE/CTO for the project, for improvement of environmental quality in the area.	Complied	The unit has obtained Consent to Establish from GPCB vide order No 505012 dated 6/5/2019 for EC approved products. The copy of Consent to Establish and Valid CTO is Enclosed.		
2	Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.	Complied	The Unit has existing valid Consent to Operate Authorization obtained from GPCB vide AWH-111411 dated 19.05.2021 up to 19.11.2024. The copy of valid CC&A is attached.		



3	Total freshwater requirement shall not exceed 4757 cum/day to be met from GIDC water supply. Prior permission in this regard shall be obtained from the concerned regulatory authority.	Complied	The details of report is attached.		
4	In case, domestic waste-water generation is more than 10 cum/day, the industry may install Sewage Treatment Plant.	Complied	The unit has installed STP of 100 KLD capacity to treat domestic wastewater generated in the unit. The treated wastewater from STP is recycled and reused in process/ utility / Gardening.	N/A	
5	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.	Complied	The unit has separate drainage network for storm water to collect runoff rainwater and discharge through separate conveyance system to prevent mixing of any effluent / wastewater.	N/A	
6	Solvent management shall be carried out as follows: (i) Reactor shall be connected to chilled brine condenser system. (ii) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (iii) The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery. (iv) Solvents shall be stored in a separate specified with all safety measures. (v) Proper earthing shall be provided in all the electrical equipment wherever solvent han	Complied	The details report are attached.		
7	At least 1.5% (2 times the amount recommended by the EAC) of the total project cost shall be allocated for Corporate Environment Responsibility (CER) and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.	Complied	We have started implementation of project and funds allocated for CER.		
8	Safety and visual reality training shall be provided to employees.	Complied	We provide regular training & refresher training to all employees for the safety & health aspects of various chemicals handled. The Unit has obtained ISO 45001 Management		







			System from third party.		
9	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, 1989.	Complied	The company is complying to MSIHC Rules by implementation of MSIHC Rules requirements.com conduct mockdrills,safety audit,onsite emergency plan implementation and dyke-wall etc as per appicability.		
10	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.	Complied	The screen short of OCEMS data transfer at CPCB server and the treated effluent and stack emission monitering report are attached.		
11	The green belt of at least 5-10 m width shall be developed in more than 40% (in place of EAC recommended 33%) of the total project area, mainly along the plant periphery, in downward wind direction, and along roadsides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	Complied	The details of report are attached.		
12	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer through pumps.	Complied	The hazardous chemical handles in unit are being stored in tanks, tank farms. The unit has/will install flame arresters on all the tanks in the tank farm, and solvent transfer is done through pumps	N/A	
13	Effluent of 1273 cum/day shall be treated through Effluent Treatment Plant (ETP) having primary, secondary & tertiary treatment units and then taken Final Effluent Treatment Plant (FETP) operated by M/S Narmada Clean Tech (NCT) for further treatment and disposal. The project proponent will submit plan for achieving Zero Liquid Discharge with its techno-economic feasibility within 3 months from issue of this	Complied	The unit is maintaining Zero Liquid Discharge (ZLD) since July-2021 using Reverse Osmosis (RO) system followed by evaporation system.		





	letter to the Ministry for further decision on the same.				
14	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied	The details report are attached.		
15	National Emission Standards for Pesticides Manufacturing Industry issued by the Ministry vide G.S.R.446(E) dated 13th June 2011, as amended from time to time, shall be followed.	Complied	The detailed report are attached.		
16	Process safety and risk assessment studies shall be further carried out using advanced models, and the mitigating measures shall be undertaken accordingly.	Complied	We have completed 3D QRA Assessment Covering Hazards and Risk Assessment. The copy of Report is enclosed.		
17	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPC Guide lines.	Complied	Fugitive emission monitoring at workplace environment, product, raw material storage area being carried out by QA Department. Detail analysis report of fugitive emission is enclosed.		
18	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.	Complied	The effluent with high organic load has been sent for incineration at BEIL and for co-processing to Cement Industry. The details of Waste Generation and Disposal are given in attachment.		
19	In addition, the project proponent shall develop greenbelt outside the plant premises such as avenue plantation, plantation in vacant areas, social forestry etc.	Complied	The detailed report are attached.		
20	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.	Complied	Adequate fire extinguishers & fire hydrant system is installed & maintained as per the norms in manufacturing and non-manufacturing areas. Onsite Emergency Plan with fire fighting details is attached.		
21	No pesticides/chemicals	Complied	The unit does not		



	banned by the Ministry of Agriculture and Farmers Welfare or having LD50 < 100 mg/kg shall be produced. Also, no raw material/solvent prohibited by the concerned Regulatory authorities from time to time, shall be used for production of pesticides.		manufacture any pesticide technical banned by the Ministry of Agriculture and Farmers Welfare The copy of commitment letter submitted to Ministry is attached.		
22	The company shall undertake waste minimization measures as below: - (i) Metering and control of quantities of active ingredients to minimize waste. (ii) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (iii) Use of automated filling to minimize spillage. (iv) Use of Close Feed system into batch reactors. (v) Venting equipment through vapour recovery system. (vi) Use of high-pressure h	Complied	The detailed report is attached.		
23	For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Complied	The unit has installed two DG Sets with 1250 KVA and 500 KVA capacity which operates only in an emergency. The stack height is maintained as per CPCB Guidelines.	N/A	

7. General Conditions (Proponent) :

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	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 (daytime) and 70 dBA (nighttime)	Complied	The Unit has provided acoustic enclosures, preventive maintenance, to high noise generating machinery. The employees are provided Ear plug, earmuff for prevention of noise. Monitoring report attache		
2	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, risk mitigation measures and public hearing shall be implemented.	Complied	The company has started implementation of granted environmental clearance with commitment for implementation of all recommendations given under EIA/EMP. The copy of EMP is enclosed.		

3	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://moef.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 conce	Complied	The unit has published advertisement on grant of EC by MoEF&CC within 7 days in English & local newspapers. 1. Gujarati - Divya Bhaskar dated: 06.12.2019 2. English -dated 06.12.2019 The copy att		
4	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Complied	The detailed reports are attached.		
5	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 stations each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Complied	The Ambient Air Quality Monitoring is conducted by internal and external Agency on monthly basis at three locations outside the plant area covering upwind and downwind directions. report attached.		
6	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 web site of the company.	Complied	The detailed report is attached.		
7	The company shall undertake all measures for improving socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villagers, administration and other stake holders. Also, eco-developmental measures shall be undertaken for overall improvement of the environment.	Complied	The unit has started all measures to improve socioeconomic conditions of the surrounding area by local villagers and other stake holders. The copy of Annual CSR Report is available on company porta		
8	The National Ambient Air Quality Emission Standards	Complied	We are/will comply to		

	issued by the Ministry vide G.S.R. No. 826(E) dated 16th November 2009 shall be complied with.		National Ambient Air Quality Emission Standards for Manufacturing Industry issued by the Ministry. The Ambient Air Quality Monitoring Report is attached.		
9	A copy of the clearance letter shall be sent by the project proponent to concern Panchayat, Zila Parishad/ Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.	Complied	We have submitted copy of Environmental Clearance letter to concerned local authorities. The Acknowledged Copy of Submission of EC to local bodies is enclosed.		
10	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.	Complied	The detailed is attached.		
11	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.	Complied	The unit provides regular appropriate training like Safety Training level 0, 1, and 2, operational training, etc., to the persons working in site. Safety training provided to 4605 employees.	N/A	
12	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Complied	The unit has obtained CC&A amendment for product mix change. Presently, unit is operated as per GPCB Consent to Operate (CC&A) renewed with amendment for existing products. The copy of EC is attached		
13	The project authorities must	Complied	We are complying		

	strictly adhere to the stipulations made by the state Pollution Control Board (SPCB), State Government and/or any other statutory authority.		all conditions/stipulations made by GPCB in CTE/CTO. The compliance to Consent granted by GPCB is attached.		
14	The Company shall harvest rainwater from the roof tops of the buildings to recharge ground water, and to utilize the same for different industrial operations within the plant.	Complied	The unit has implemented rainwater harvesting at Admin Building, Canteen R&D and QA & QC Buildings as per action plan submitted to MoEF & CC. The copy of action plan submitted is attached.		
15	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.	Complied	The unit submits environmental statement for each financial year in Form-V to State Pollution Control Board. The Copy of latest Environmental Statement Submitted to SPCB is enclosed.		

****Note : N/A - Not Available**

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