

From: Purvesh Jitendra Kumar Soni/SCM/Ankleshwar
Sent: 10 November 2023 14:56
To: IRO Gandhinagar; ec-rdw.cpcb@gov.in; Rashesh R. Vyas (GoG-GPCB Dept.); roank.gpcb@gmail.com
Cc: Mritunjay Chaubey/SCM/Mumbai; Vikas Garg/SCM/Mumbai; Pravindan Gadhavi/SCM/Jhagadia; Deepakkumar Saumshi/SCM/Jhagadia; Narendrakumar Parshotambhai Ajudia/SCM/Jhagadia; Kumar Om Prakash/SCM/Ankleshwar
Subject: UPL Limited, Unit-05, Jhagadia - Submission of Half yearly Compliance Report to conditions of Environmental Clearances obtained (April 2023 to September 2023)
Attachments: U_05_EC_Half_Yearly_Compliance_Report_For_APR_23_TO_SEPT_23.pdf

Tracking:	Recipient	Delivery
	IRO Gandhinagar	
	ec-rdw.cpcb@gov.in	
	Rashesh R. Vyas (GoG-GPCB Dept.)	
	roank.gpcb@gmail.com	
	Mritunjay Chaubey/SCM/Mumbai	Delivered: 10-11-2023 14:56
	Vikas Garg/SCM/Mumbai	Delivered: 10-11-2023 14:56
	Pravindan Gadhavi/SCM/Jhagadia	Delivered: 10-11-2023 14:56
	Deepakkumar Saumshi/SCM/Jhagadia	Delivered: 10-11-2023 14:56
	Narendrakumar Parshotambhai Ajudia/SCM/Jhagadia	Delivered: 10-11-2023 14:56
	Kumar Om Prakash/SCM/Ankleshwar	Delivered: 10-11-2023 14:56

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,
Gandhinagar-382010

By-Email

Dear Sir,

Sub: - Half yearly Compliance Report to conditions of Environmental Clearances obtained (**April 2023 to September 2023**) by UPL Limited, Unit-05, Jhagadia.

- (1) Environmental Clearance No. J-11011 /42/95 -IA. II(I), dated17/5/1996 of 100 TPD Chlor Alkali Plant.
(2) Environmental Clearance No. J.13011/26/96-IA. II dated. 24/12 1996 of 50 MW Combined Cycle Co Generation Power Plant
(3) Environmental Clearance No. J-11011 /325/2006 -IA II (I) dated. 25th July 2007 for various products.
(4) Environmental Clearance No. J-11011/80/2015-IA II (I) dated. 5/4/2018 for expansion of Agro and other synthetic organic chemicals
(5) Environmental Clearance Identification No: EC22A013GJ175605 dated 08/06/2022 for Proposed Expansion in “Pesticide Technical, Pesticide Specific Intermediates and Speciality Chemicals Products Integrated with Chlor Alkali and Captive Power Plant”.

Kindly refer MoEF&CC Notification vide S0-5845-E dated 26.11.2018 regarding submission of half yearly EC Compliance Reports to MoEF&CC, Regional Office. We are submitting herewith the half yearly compliance report in soft format for the above 05 (Five) Environmental Clearances obtained from MoEF&CC for period **April 2023 to September 2023**.

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.

Thanking you,
Yours faithfully,
For, **UPL Limited**

Pravindan Gadhvi
Unit Head

Enclosed : Half Yearly EC Compliance Reports in Soft Format

Copy to:	The Regional Officer Gujarat Pollution Control Board Ankleshwar – 393002. GPCB XGN ID # 25353	: The Zonal Officer Central Pollution Control Board Parivesh Bhavan, Opp- VMC Ward Office # 10, SubhanPura, Vadodara –390023.
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UPL Limited, Unit - 5
Plot No.746 & 750, P.B. No.9
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Jhagadia 393 110 Gujarat, India

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t: +91 2645 226013
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Date-08-11-2023

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,
Gandhinagar-382010

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Thanking you,

Yours faithfully,

For, UPL Limited

Pravin Dhan Gadhavi

Unit Head

Unit-5, Jhagadia

Enclosed : Half Yearly EC Compliance Reports in Soft Format

Copy to: The Regional Officer
Gujarat Pollution Control Board
Ankleshwar – 393002.
GPCB XGN ID # 25353

: The Zonal Officer
Central Pollution Control Board
Parivesh Bhavan, Opp- VMC
Ward Office # 10, SubhanPura,
Vadodara –390023.

Your application has been Submitted with following details	
Proposal No	SCIL/ANKI/TECH/A34-32/96
Compliance ID	20019101
Compliance Number(For Tracking)	EC/M/COMPLIANCE/20019101/2023
Reporting Year	2023
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	09-11-2023
IRO Name	Shrawan Kumar Verma
IRO Email	kr099.ifs@nic.in
State	GUJARAT
IRO Office Address	Budgam
Note:- SMS and E-Mail has been sent to Shrawan Kumar Verma, GUJARAT with Notification to Project Proponent.	

Back

View Compliance Report at Project Proponent

Proposal Details

Proposal No	SCIL/ANKI/TECH/A34-32/96	Category	Industrial Projects - 3		
Proposal Name	Addition of 100 TPD Chlor-alkali plant at Jhagadia by M/S Search Chem Industries Ltd.				
Plot / Survey/ Khasra No.		Village(s)		Sub-District(s)	
State	GUJARAT	District	BHARUCH		
MoEF File No	J-11011/42/95-IA.II(I)	Name of the Entity/ Corporate Office	M/s UPL Limited	Entity's PAN	NA
Entity Name as per PAN	NA	Entity details mentioned above is correct ?	Agree		

Covering Letter

Covering Letter [Click to View](#)

Compliance Reporting Details

Reporting Year 2023 **Reporting Period** 01 Dec(01 Apr - 30 Sep)
Remark(if any) We are submitting herewith EC Half Yearly Compliance Report for the period of April-2023 to September-2023.

Details of Production and Project Area

Date of Commencement of Project/Activity 09-11-2023

	Project Area as per EC Granted(ha.)	Actual Project Area in Possession(ha.)
Private	0	0
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	0	0

PRODUCTION CAPACITY							
Sr.No.	Name of the Product	Units	As per EC Granted	As per CTO Granted	CTO ID	Valid Up To	Production during last financial year
1	Pesticide Intermediates	Tons per Annum (TPA)	95000				19978.75
2	Pesticide Formulations	Tons per Annum (TPA)	215400				29666.645
3	Caustic Chlorine Plant	Tons per Annum (TPA)	393024				91324.556
4	Pesticide Technical	Tons per Annum (TPA)	271800				86563.74
5	Speciality Chemicals	Tons per Annum (TPA)	226416				86832.09
6	Others Products	Tons per Annum (TPA)	5000				2590.915

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details	Status of Compliance,Remarks/Reason and Supporting Documents
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1	Statutory compliance	The project authorities must strictly adhere to the stipulation made by the State Pollution Control Board and the State govt.	PPs Submission	All conditions given by GPCB is being followed and summarized result of MoEF&CC Approved Laboratory (BEIL, Ankleshwar) is as followed. The Monitoring report ranges is enclosed. Complied Attachment: Click to View
			PPs Submission	All conditions given by GPCB is being followed and summarized result of MoEF&CC Approved Laboratory (BEIL, Ankleshwar) is as followed. The Monitoring report ranges is enclosed. Complied Attachment: Click to View
2	Statutory compliance	No further expansion or modification in the plant should be carried out without prior approval of this Ministry.	PPs Submission	We have not done any modification in the plant without proper approval from the Ministry. The unit has later on obtained Amendments and Expansion Approvals from MoEF&CC. Complied Attachment: NA
3	AIR QUALITY MONITORING AND PRESERVATION	Gaseous (Cl2, SO2, NOX & HC) and particulate emission from the various process vents and storage tanks should conform to the standards prescribed by the competent authorities from time to time. At no time,	PPs Submission	We do internal monitoring through our lab and through third party (BEIL, Ankleshwar) for all stacks and all parameters are within permissible limit prescribed by GPCB. Summarized Stack monitoring data of BEIL, Ankleshwar is attached. Complied Attachment: Click to View
			PPs Submission	We do internal monitoring through our lab and through third party (BEIL, Ankleshwar) for all stacks and all parameters are within

		<p>the emissions level should go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the units, the respective unit should be put out of operation immediately and should not be restarted until the pollution control measure are rectified to achieve the desired efficiency.</p>		<p>permissible limit prescribed by GPCB. Summarized Stack monitoring data of BEIL, Ankleshwar is attached.</p> <p>Complied</p> <p>Attachment: Click to View</p>
4	AIR QUALITY MONITORING AND PRESERVATION	<p>At least three ambient air quality monitoring stations should be established in the downwind as well as where maximum ground level concentrations of SPM, SO₂, NO_x and Cl₂ are anticipated. The selection of the AAQ monitoring stations should be based on modeling exercise to represent short term ground level concentrations</p>	PPs Submission	<p>We have installed three AAQ monitoring stations as per SPCB guidelines for monitoring of PM₁₀, PM_{2.5}, SO₂, NO_x and other NAAQS. Adequate scrubber system is provided in all stacks to meet the stipulation given by State Pollution Control Board (GPCB). We submit AAQ & stack monitoring data to the Ministry every six month and to State Pollution Control Board (GPCB) every month. The location map and the summery of AAQM monitoring report is attached.</p> <p>Complied</p> <p>Attachment: Click to View</p>

		<p>sensitive targets etc. in consultation with the SPCB. Stack emissions should also be regularly monitored by installing stack monitoring devices in consultation with the State Pollution Control Board. Data on AAQ and stack emission should be submitted regularly to this Ministry once in six months and the State Pollution Control Board once in three months along with the statistical analysis and interpretation.</p>		
5	AIR QUALITY MONITORING AND PRESERVATION	<p>Fugitive emissions should be controlled, regularly monitored and data recorded. Chlorine sensors should be installed in the chlorine storage area a lower level between the tanks.</p>	PPs Submission	<p>Fugitive emission is controlled by using seal-less pumps for toxic chemicals, flange-guards, mechanical seals for pumps and reactors etc. We are monitoring fugitive emissions. The more details is Attached. Complied Attachment: Click to View</p>
6	WASTE MANAGEMENT	<p>Liquid effluents coming out of the plant should conform</p>	PPs Submission	<p>We are monitoring effluent quality regularly through our internal lab and external party (BEIL, Ankleshwar) and all parameters are well within prescribed limit given by GPCB. The summery of monitoring</p>

		to the standards as prescribed by the State Pollution Control Board and the Ministry of Environment and Forests under the Environment (Protection) Act, 1986. Recycling and reuse of the treated waste water should be maximized to the extent possible.		Report is attached. Complied Attachment: Click to View
7	Noise Monitoring & Prevention	Adequate measures for the control of noise should be taken so as to keep noise level below 85 dB in the work environment. Persons working near the noisy machines like blowers, compressors etc. should be provided with well-designed ear muffs/plugs. Besides, measures should be taken to reduce the noise by engineering methods.	PPs Submission	Acoustic enclosures are also provided at Power Plant. Noise monitoring through third party (BEIL, Ankleshwar) is being done twice in a month. the more details is attached. Complied Attachment: Click to View
8	Human Health Environment	Occupational health surveillance	PPs Submission	The company is having full time medical doctor and Occupational Health & Safety. Pre-employment and routine medical examinations

		programme should be undertaken as regular exercise especially with respect to exposure to chlorine, thermal stresses and noise pollution		are being carried out. We are also doing full body medical checkup by external expert agency once in year. All medical records are being maintained and sample copy of Medical Examination report is attached . Complied Attachment: Click to View
9	GREENBELT	A green belt of adequate width and density (2000-2500 trees/ha.) covering 25 acres of land should be developed preferably using native plants species in consultation with the local DFO. Final treated liquid effluent should be used for developing the greenery.	PPs Submission	We have developed 10 m wide green belt all along the boundary within factory area with native species. The more green belt area details are given in Complied Attachment: Click to View

10	Risk Mitigation and Disaster Management	<p>Suitable alarm system and standard procedure for transmitting the information on accidental release of chlorine to the nearby areas and proper focal point should be established. Steps should also be taken to ensure access to information on weather conditions prevailing at that time and weather forecast. Wind socks at appropriate locations should be provided. Necessary approval may be taken from the Explosive Department/ Chief Inspector of Factories regarding the safety of the pressure vessels, storage tanks etc.</p>	PPs Submission	<p>Emergency Alarm System is provided for communication during any emergency. Disclosure of Information on CL2 to general public is given regularly. We have provided internet access to our control room for any weather updates. In addition, we have also installed 12 windsocks inside the factory premises. We have also obtained all necessary approval for Cl2 storage, filling in toners and hydro testing; for H2 filling and storage. Maps of plant approved by Chief Inspector of Factories (Director ? Industrial Safety & Health, Gujarat State).</p> <p>Complied</p> <p>Attachment: NA</p>
11	WASTE MANAGEMENT	<p>Hazardous wastes should be handled as per the Hazardous Waste (Management</p>	PPs Submission	<p>We are treating / disposing off the hazardous wastes generated as per the conditions of the Authorization given by GPCB under the HWM Rules. In addition to this, Yearly Hazardous Waste return is being submitted to GPCB regularly. We are disposing our hazardous wastes (landfilling wastes and incineration wastes) to TSDF site of BEIL</p>

		& Handling) Rules, 1989 of the EPA, 1986		Ankleshwar, BEIL Dahej, DETOX India PVT. LTD. Dahej/Jambusar. The Hazardous Waste disposal statement is attached for reporting period. Complied Attachment: Click to View
12	Statutory compliance	Handling, manufacture, storage and transportation of hazardous chemicals should be carries out in accordance with the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October, 1994.	PPs Submission	We are complying with the MSIHC Rules and Hazardous waste & other wastes (Handling & transboundary Movement) rules 2016. The copy of onsite emergency plan is Enclosed. The authorization for disposal of Hazardus Waste has been obtained from GPCB vide latter No AWH-126345 dated 10.08.2023 Valid upto 19.11.2024. Complied Attachment: Click to View
13	Statutory compliance	The project authorities must set up laboratory facilities for collection and analysis of samples under supervision of competent technical personnel, who will directly report to the Chief Executive	PPs Submission	Environmental laboratory & daily analysis is being done for wastewater, stacks & ambient air, noise. The results are within limit prescribed by GPCB. Lab head reports to unit head only. Complied Attachment: NA
14	MISCELLANEOUS	A separate Environmental Management Cell with suitably qualified	PPs Submission	We have separate environment cell with Laboratory for ETP Operation, environmental monitoring of AAQM, Effluent, Stacks, Noise, Work place, RWH, Etc. The Details of Environment Management Cell is

		people to carry out various functions should be set up under the control of Senior Executive, who will report directly to the Head of the Organization.		enclosed. Complied Attachment: Click to View
15	Statutory compliance	The funds earmarked for the environmental protection measures should not be diverted for any other purposes and year-wise expenditure should be reported to this Ministry	PPs Submission	Project has been commissioned since 1997 with compliance of all environments related measures. Statement of expenditure is submitted along with this half yearly to MoEF. The investment details enclosed Complied Attachment: Click to View
16	Statutory compliance	Six monthly reports on the compliance status of project implementation vis-à-vis above environmental measures should also be submitted to regional Office of the Ministry	PPs Submission	The Unit submits six monthly reports on status of compliance of stipulated EC conditions including results of monitored data to IRO of MoEF&CC, Zonal Office of CPCB and GPCB and six-monthly compliance status report will be posted on web site. The Link is given below for Last Report. https://www.upl-ltd.com/downloads/health-and-safety/env-policy/unit-5/U_05_EC_Half_Yearly_Compliance_Report_For_OCT_22_TO_MAR_23.pdf Complied Attachment: NA

General Conditions

Sr.No.	Condition Heading	Condition Details	Status of Compliance,Remarks/Reason and Supporting Documents
No Record Found			

Document Upload

Last Site Visit Report (if available)

NA

Last Site Visit Report Date (if available)

Additional Attachment (if any)

NA

Additional Remarks (if any)

☒ I 'M/s UPL Limited' hereby give undertaking that the data and information given in the filed compliance and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the clearance given to the project will be revoked at our risk and cost. In addition to above, I hereby give undertaking that no activity such as change in project layout, construction, expansion, etc. has been taken up without due approval.

Cover Letter From IRO

Cover Letter From IRO

NA

Back

Your application has been Submitted with following details

Proposal No	IA/GJ/THE/20945/1997
Compliance ID	20020546
Compliance Number(For Tracking)	EC/M/COMPLIANCE/20020546/2023
Reporting Year	2023
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	09-11-2023
IRO Name	Shrawan Kumar Verma
IRO Email	kr099.ifs@nic.in
State	GUJARAT
IRO Office Address	Budgam
Note:- SMS and E-Mail has been sent to Shrawan Kumar Verma, GUJARAT with Notification to Project Proponent.	

Back

View Compliance Report at Project Proponent

Proposal Details

Proposal No	IA/GJ/THE/20945/1997	Category	Industrial Projects - 3		
Proposal Name	Setting up of 50 MW Naphtba based combined cycle co-generation power plant at jhagadia, District- Bharuch, Gujarat, by M/S search Chem Industries Ltd.				
Plot / Survey/ Khasra No.		Village(s)		Sub-District(s)	
State	GUJARAT	District	BHARUCH		
MoEF File No	J.13011/26/96-IA.II	Name of the Entity/ Corporate Office	M/s UPL Limited	Entity's PAN	NA
Entity Name as per PAN	NA	Entity details mentioned above is correct ?	Agree		

Covering Letter	
Covering Letter	Click to View

Compliance Reporting Details			
Reporting Year	2023	Reporting Period	01 Dec(01 Apr - 30 Sep)
Remark(if any)	We are submitting herewith EC Half Yearly Compliance Report for the period of April-2023 to September-2023.		

Details of Production and Project Area
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Date of Commencement of Project/Activity

09-11-2023

	Project Area as per EC Granted(ha.)	Actual Project Area in Possession(ha.)
Private	0	0
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	0	0

PRODUCTION CAPACITY							
Sr.No.	Name of the Product	Units	As per EC Granted	As per CTO Granted	CTO ID	Valid Up To	Production during last financial year
1	Pesticide Intermediates	Tons per Annum (TPA)	95000				19978.75
2	Pesticide Formulations	Tons per Annum (TPA)	215400				29666.645
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4	Pesticide Technical	Tons per Annum (TPA)	271800				86563.74
5	Speciality Chemicals	Tons per Annum (TPA)	226416				86832.09
6	Others Products	Tons per Annum (TPA)	5000				2590.915

Conditions

Specific Conditions				
Sr.No.	Condition Type	Condition Details	Status of Compliance,Remarks/Reason and Supporting Documents	
1	Statutory compliance	All the conditions stipulated by Gujarat Pollution Control	PPs Submission	compliance status for all conditions given by GPCB is attached. Complied

		Board vide their letter No. PC/NOC/BRCH/1600/7518 dated 31st July, 1996 should be strictly implemented		Attachment: Click to View
2	GREENBELT	An area of 103 acres should only be acquired for the project including 14 acres for green belt and installation of naphtha storage tanks.	PPs Submission	Presently we have about 2918 Nos. of trees (big trees) per hectare of total land and total 53.74 acre of the land has been developed as green belt area. Apart from this unit has developed 16.5 acre of land outside the premises and planted 10750 saplings. We also do tree plantation in surrounding villages as CSR activity and the Green belt details is attached herewith. Moreover, naphtha storage tanks are no longer in use. Complied Attachment: Click to View
3	AIR QUALITY MONITORING AND PRESERVATION	Three stacks of height 30 m, 35 m and 7 m for gas turbines, heat recovery steam generation and DG sets should be installed.	PPs Submission	We have discontinued Gas Based Turbine & Stack. At Present We have provided 101 M and 75 M High Stack for Power Plant. The DG Set is provided with stack height as per CPCB Standards. Complied Attachment: NA
4	AIR QUALITY MONITORING AND PRESERVATION	Air quality monitoring should be carried out regularly around the power plant and records should be maintained. Complete analysis of the recorded data should be regularly undertaken and results should be submitted to the	PPs Submission	We do ambient air monitoring through our internal lab and through external party (BEIL, Ankleshwar) twice in month & all parameters are within limits prescribed by GPCB. We are submitting half yearly reports to MOEF regularly (every six month). Summarized third party (M/s BEIL, Ankleshwar) is attached. Complied Attachment: Click to View

		Ministry every six months for review	PPs Submission	We do ambient air monitoring through our internal lab and through external party (BEIL, Ankleshwar) twice in month & all parameters are within limits prescribed by GPCB. We are submitting half yearly reports to MOEF regularly (every six month). Summarized third party (M/s BEIL, Ankleshwar) is attached. Complied Complied Attachment: Click to View
5	MISCELLANEOUS	Naphtha @ 240 tonnes/day should be used as main fuel with sulphur content not exceeding 0.15%.	PPs Submission	we have switched over from Naphtha to Natural Gas in June 2002. The Unit has added Coal based Power Plant as per EC / CC&A obtained. The copy of approval is enclosed. Complied Attachment: Click to View
6	AIR QUALITY MONITORING AND PRESERVATION	Suitable NOX control device such as Water/Steam Injection in the combustion chamber should be installed to ensure that NOX emissions shall not exceed 50 PPM.	PPs Submission	NOx control device is in place, and we are maintaining combustion chamber temperature 850- 900° C to control NOx. NOx value is in the range of 24.7-34.7 ppm against GPCB permissible limit of 50 ppm. The summery of Stack monitoring report is attached. Complied Attachment: Click to View
			PPs Submission	NOx control device is in place, and we are maintaining combustion chamber temperature 850- 900° C to control NOx. NOx value is in the range of 24.7-34.7 ppm against GPCB permissible limit of 50 ppm. The summery of Stack monitoring report is attached.

				<p>Complied</p> <p>Attachment: Click to View</p>
7	WASTE MANAGEMENT	Liquid effluent should be properly treated and used for raising of green belt.	PPs Submission	<p>The inorganic effluent generated from the power plant is being recycled through R.O system and permeate is being used back into cooling tower</p> <p>Complied</p> <p>Attachment: NA</p>
8	WATER QUALITY MONITORING AND PRESERVATION	Water use for the plant should be restricted to 6,480 m3/day. Closed Circuit cooling devices should be provided and minimum makeup water should be used.	PPs Submission	<p>The EC Identification No EC22A013G175605 Dated 08/06/2023 has been approved and we have obtained CTE and CTO for EC Approved Products with EC approved Water Capacity. The Present CTO Grantd by GPCB having Fresh Water Approval for 11883 KLD. The Water Consumption Quantity is well within CTO Limit. The Monthly Water Consumption Details are attached.</p> <p>Complied</p> <p>Attachment: Click to View</p>
			PPs Submission	<p>On an average approx. 9758.55 m3/day of GIDC fresh water (period: Apr 2023-Sep 2023) is being used for plant processes. Proper closed-circuit cooling devices has provided. We have obtained Environmental Clearance vide letter no J-11011/80/2015-IA-II(I) dated 08/06/2022 having mention of water requirement 10000 KL/Day. The month wise water consumption for the period of Apr 2023-Sep 2023 is attached.</p> <p>Complied</p> <p>Attachment: Click to View</p>

9	Noise Monitoring & Prevention	Adequate noise control measure should be provided to ensure that noise levels do not exceed the prescribed standards of 85 dBA. Workers in high noise area should be provided with ear protection devices and their use by the workers should also be enforced.	PPs Submission	Acoustic enclosures are also provided at Power Plant. Noise monitoring through third party (BEIL, Ankleshwar) is being done twice in a month and parameter range is as follows: During Day Time: 67.0 - 71.7 dB (GPCB Permissible limit- 75 dB) During Nighttime: 58.8 - 65.4 dB (GPCB Permissible limit- 70 dB) Earmuffs & ear plugs are provided to the person working in high noise area like H2 compressor, & air compressor. The summery of Noise monitoring report is attached. Complied Attachment: Click to View
10	GREENBELT	Considering the wind rose pattern in the area, green belt should be developed covering an area of 14 acres with primary, secondary and curtain zones with selection of indigenous species. A norm of 1500-2000 trees per/ha should be followed. Details should be submitted to the Ministry by January, 1997. The guidelines evolved by the CPCB on afforestation should be followed by formulating the afforestation programme.	PPs Submission	Presently the unit has about total 43035 Nos. of trees available in 53.74 acres, Presently the unit has about 2918 Nos. of big trees per hectare of land. Apart from this unit has developed 16.5 acre of land outside the premises and planted 10750 saplings. The CPCB guideline on afforestation is being strictly followed. We also do tree plantation in surrounding villages as CSR activity. All tree plantation details is attached. Complied Attachment: Click to View
11	WASTE MANAGEMENT	The landfill site identified within the plant area for disposal of solid wastes should be properly lined and	PPs Submission	Not Applicable as no hazardous waste is being produced from the power plant. Fly Ash (non-hazardous) generated from the coal fired power plant is being sent to end user/brick manufacturer OR BEIL, Ankleshwar for stabilization.

		continuous monitoring of ground water should be undertaken in the project area and its impact zone for ascertaining the changes in the ground water quality.		Complied Attachment: NA
12	Risk Mitigation and Disaster Management	For ensuring that in worst case scenario of naphtha storage tanks on fire, the Switch Yard on the western side of the storage tank is not affected, a thermal proof wall should be provided. As proposed, on the eastern side of the plant only landfill activity should be taken up for disposal of waste material from the main plant as well as the sludge from the power project.	PPs Submission	Not Applicable. We have discontinued use of Naphtha at site. The Naphtha has been replaced with Natural Gas. The details of permission are attached herewith. Complied Attachment: Click to View
13	WASTE MANAGEMENT	The sludge from the common sludge tank should be incinerated and the ash generated be disposed of by land filling with proper lining.	PPs Submission	Not Applicable. We have discontinued use of Naphtha at site. The Naphtha has been replaced with Natural Gas. The details of permission are attached herewith. Complied Attachment: Click to View
14	MISCELLANEOUS	Full co-operation should be extended to the Scientists/Officers of the Regional Office of the Ministry at	PPs Submission	We co-operate to any officers/seniors from SPCB/CPCB/MoEF during their visit to our unit and also submit the required data OR reports on their request.

		Bhopal/CPCB/SPCB who would be monitoring the compliance of environmental status. Complete set of impact assessment report and the Management Plans should be forwarded to the Regional Office for their use during monitoring.		Complied Attachment: NA
15	Statutory compliance	Financial provisions should be made for implementation of environmental mitigative measures with adequate scope for its enhancement in future and the funds so provided should be kept in a separate account and details intimated to this Ministry and the State Level authorities	PPs Submission	The list of expenditures made for environmental mitigation measures is attached and submitted to the Ministry & state level authorities every six monthly. The total investment for environmental protection measures at the site are Rs 5.24 crores for reporting period. Complied Attachment: Click to View
16	MISCELLANEOUS	Monitoring Committee should be constituted for reviewing the compliance in various safeguard measures by involving recognized local NGOs, Pollution Control Boards, Institutions, Experts etc.	PPs Submission	As our plant is commissioned since long time, the Internal Environment management cell comprising of Unit Head, plant head, SHE Head & Corporate Environment head is in operation for close monitoring. Complied Attachment: NA

General Conditions

Sr.No.	Condition Heading	Condition Details	Status of Compliance,Remarks/Reason and Supporting Documents
No Record Found			

Document Upload

Last Site Visit Report (if available)	NA	Last Site Visit Report Date (if available)	Additional Attachment (if any)	NA
Additional Remarks (if any)				
<div><input checked="" type="checkbox"/> I '<u>M/s UPL Limited</u>' hereby give undertaking that the data and information given in the filed compliance and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the clearance given to the project will be revoked at our risk and cost. In addition to above, I hereby give undertaking that no activity such as change in project layout, construction, expansion, etc. has been taken up without due approval.</div>				

Cover Letter From IRO

Cover Letter From IRO	NA
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Your application has been Submitted with following details

Proposal No	IA/GJ/IND/4244/2006
Compliance ID	20022505
Compliance Number(For Tracking)	EC/M/COMPLIANCE/20022505/2023
Reporting Year	2023
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	09-11-2023
IRO Name	Shrawan Kumar Verma
IRO Email	kr099.ifs@nic.in
State	GUJARAT
IRO Office Address	Budgam

Note:- SMS and E-Mail has been sent to Shrawan Kumar Verma, GUJARAT with Notification to Project Proponent.

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Environment Clearance ▾

Forest Clearance ▾

Wildlife Clearance ▾

CRZ Clearance ▾

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Welcome Mr.
Pravindan Gadhavi,PP

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View Compliance Report at Project Proponent

Proposal Details

Proposal No	IA/GJ/IND/4244/2006	Category	Industrial Projects - 3		
Proposal Name	New Pesticide Intermediats and Technical products unit and Expanssion of Chlor-Alkali along with a captive power plant in Exisiting unit in GIDC Industrial Estate, Jhagadia, Bharuch, Gujarat by M/S United Phosphorous Ltd.				
Plot / Survey/ Khasra No.		Village(s)		Sub-District(s)	
State	GUJARAT	District	BHARUCH		
MoEF File No	J-11011/325/2006- IA-II(I)	Name of the Entity/ Corporate Office	M/s UPL Limited	Entity's PAN	NA
Entity Name as per PAN	NA	Entity details mentioned above is correct ?	Agree		

Covering Letter

Covering Letter [Click to View](#)

Compliance Reporting Details

Reporting Year 2023 **Reporting Period** 01 Dec(01 Apr - 30 Sep)
Remark(if any) We are submitting herewith EC Half Yearly Compliance Report for the period of April-2023 to September-2023...

Details of Production and Project Area

Date of Commencement of Project/Activity 09-11-2023

	Project Area as per EC Granted(ha.)	Actual Project Area in Possession(ha.)
Private	0	0
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	0	0

PRODUCTION CAPACITY

Sr.No.	Name of the Product	Units	As per EC Granted	As per CTO Granted	CTO ID	Valid Up To	Production during last financial year
1	Pesticide Intermediates	Tons per Annum (TPA)	95000				19978.75
2	Pesticide Formulations	Tons per Annum (TPA)	215400				29666.645
3	Caustic Chlorine Plant	Tons per Annum (TPA)	393024				91324.556
4	Pesticide Technical	Tons per Annum (TPA)	271800				86563.74
5	Speciality Chemicals	Tons per Annum (TPA)	226416				86832.09
6	Others Products	Tons per Annum (TPA)	5000				2590.915

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details	Status of Compliance,Remarks/Reason and Supporting Documents	
1	AIR QUALITY MONITORING AND	The gaseous emissions (SO2, NOx, HCl, Cl2,	PPs Submission	We do internal monitoring through our lab and through third party (BEIL,Ankleshwar) for all stacks and all parameters are within

		PRESERVATION	CH4, P2O5, DMS, H2S, HC, PCI3, NH3, CS2 andCO, HC and VOC along with SPM and RSPM from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.		<p>permissible limit prescribed by GPCB. Summarized monitoring data of BEIL, Ankleshwar is attached</p> <p>Complied</p> <p>Attachment: Click to View</p>
				PPs Submission	<p>We do internal monitoring through our lab and through third party (BEIL, Ankleshwar) for all stacks and all parameters are within permissible limit prescribed by GPCB. Summarized monitoring data of BEIL, Ankleshwar is attached</p> <p>Complied</p> <p>Attachment: Click to View</p>
2	Statutory compliance	New standards for pesticides unit, as proposed by the CPCB under the E(P) A, 1986 shall be followed by the Unit.		PPs Submission	<p>We are following the new norms prescribed for pesticide sector. GPCB has already included new norms in CC&A and the detailed Compliance to Standards is enclosed herewith..</p> <p>Complied</p> <p>Attachment: Click to View</p>
3	AIR QUALITY MONITORING AND PRESERVATION	Three new boilers shall be based on Imported Coal/Lignite/ RDF (pellets or fluff). Fuel		PPs Submission	<p>We have installed all 3 boilers and taken in line. All 3 boilers are fitted with OCEMS in installed boiler, We are using only imported coal and for all other boilers/ D.G. sets are being operated only on Natural</p>

		for other boilers and D.G. Sets will be Natural Gas, HSD and FO. Lignite shall be used only in emergency.		gas/HSD. Lignite coal is not being used. We have obtained CC&A for all three boiler installation from GPCB vide latter No AWH-119702 dated 15.11.2022. Complied Attachment: NA
4	Risk Mitigation and Disaster Management	Natural Gas, H2 and Cl2 shall be transported through pipelines. Present transportation mode of Hazardous Chemicals by road shall be switched over to railway line as soon as it is laid down. All Transportation of Hazardous Chemicals shall be as per the MVA, 1989.	PPs Submission	Natural Gas is transported through pipe line. H2 & Cl2 are given to neighboring industries through pipeline. Majority of raw materials and products transported through road as new rail is yet linked. Complied Attachment: NA
5	AIR QUALITY MONITORING AND PRESERVATION	23 additional Stacks shall be provided for dispersion of gaseous emissions. The height of these shall be as per the prescribed Stack Height rules and CPCB guidelines. For process emissions like HCl, Cl2, SO2, PCl3, CS2 etc. scrubbers shall be provided with each	PPs Submission	The height of the stacks is as per CPCB guidelines. Separate scrubber system is being provided for each reactor such as storage, filling, addition to control HCL, CL2, SO2, PCL3, CS2 etc. Additional scrubber with EDA as scrubbing media is provided in Mancozeb Plant to control CS2 emission. The scrubbing media is used based on the emissions. In Caustic Chlorine Plant, two stage caustic scrubber is provided in de-chlorination section and DM water scrubber is provided in HCL furnace. The scrubbed liquor of Chlorine, Sodium Hypochlorite, is a by-product. Stack monitoring is being carried out through third party (BEIL, Ankleshwar) and summarized data is attached herewith. All parameters are within GPCB permissible limit.

		<p>reactor for quenching. Waste air de-chlorination system shall be provided in the Caustic chlorine Plant, Vent gases from 2, 4-Dichloro Phenol shall be subjected to two-stage absorption consisting of DM water and caustic jet. For Chlorine, 2 stages Scrubber with recovery of Sodium Hypo shall be provided.</p>	<div> <div>Complied Attachment: Click to View</div> <div> <div>PPs Submission</div> <div> <p>The height of the stacks is as per CPCB guidelines. Separate scrubber system is being provided for each reactor such as storage, filling, addition to control HCL, CL2, SO2, PCL3, CS2 etc. Additional scrubber with EDA as scrubbing media is provided in Mancozeb Plant to control CS2 emission. The scrubbing media is used based on the emissions. In Caustic Chlorine Plant, two stage caustic scrubber is provided in de-chlorination section and DM water scrubber is provided in HCL furnace. The scrubbed liquor of Chlorine, Sodium Hypochlorite, is a by-product. Stack monitoring is being carried out through third party (BEIL, Ankleshwar) and summarized data is attached herewith. All parameters are within GPCB permissible limit.</p> <p>Complied Attachment: Click to View</p> </div> </div> </div>
6	AIR QUALITY MONITORING AND PRESERVATION	<p>Water/ Alkali Two stage Scrubber systems, Mist Eliminator with Koch filter and Wet Scrubber with Mist Eliminator shall be installed for the boilers. Thermic Fluid heater, D.G.Sets. The scrubbed water shall be sent to ETP for further treatment.</p>	<div> <div>PPs Submission</div> <div> <p>Air pollution from the installed boiler is controlled by Electrostatic precipitation (ESP) system in place of scrubbing system. One extra field of ESP is provided in design. Thermic Fluid Heaters are natural gas based only. DG Sets are only for emergency power in case of power failure. The scrubbed water generated from each process scrubber is being sent to ETP for further treatment. In certain cases, the scrubbed solution is by-product (Sodium Hypochlorite).</p> <p>Complied Attachment: Click to View</p> </div> </div>
7	AIR QUALITY MONITORING AND PRESERVATION	<p>"Flare system shall be provided for burning of contaminated H2 and</p>	<div> <div>PPs Submission</div> <div> <p>Flare stack & Fume incinerators are provided in new CS2 plant and are in operation. We do monitoring of H2S in CS2 Plant Stacks. All Values within limit. Analysis report is attached here with. We have installed all</p> </div> </div>

			<p>Fume incinerator shall be provided for decomposition of contaminated air/gas from the plant. The Amendment to EC Condition has been Obtained Vide MoEF File No F. No.-J-11011/325/2006-IA-II(I)) dated 10-06-2011 as Follows : ?Sulfur recovery Unit shall be installed to control H2S emissions from the Furnace into elemental Sulfur and shall be recycled to the process. The ?S? recovery shall be above 99.5 % (as per Refinery Norms, Notification No. GSR 186(E) dated 18.03.2008) and H2S emissions shall be less than 10 mg/ Nm3. The tail gas from Clauss Unit shall be sent to Tail Gas Treatment Unit (TGTU) for further treatment to reduce SO2 emissions. Tail Gas Treatment Unit (TGTU) shall consist of Spot</p>	
			<p>EMS system as per EC -like Sulphur Recovery Unit (SRU unit), Tail Gas Treatment Unit (TGTU), For removal of H2S from the gas by Amine treatment and Fume Incinerator. We are achieving ?S? recovery above 99.5 %. We do stack monitoring twice in a month internally through our lab as well through third party (BEIL, Ankleshwar) and summarized data is as follows: Stack attached to CS2 plant fume incinerator H2S is BDL</p> <p>Complied</p> <p>Attachment: Click to View</p>	
			<p>PPs Submission</p> <p>Flare stack & Fume incinerators are provided in new CS2 plant and are in operation. We do monitoring of H2S in CS2 Plant Stacks. All Values within limit. Analysis report is attached here with. We have installed all EMS system as per EC -like Sulphur Recovery Unit (SRU unit), Tail Gas Treatment Unit (TGTU), For removal of H2S from the gas by Amine treatment and Fume Incinerator. We are achieving ?S? recovery above 99.5 %. We do stack monitoring twice in a month internally through our lab as well through third party (BEIL, Ankleshwar) and summarized data is as follows: Stack attached to CS2 plant fume incinerator H2S is BDL.</p> <p>Complied</p> <p>Attachment: Click to View</p>	

		Hydrogeneration, removal of H2S from, the gas by Amine treatment and fume incinerator?.		
8	AIR QUALITY MONITORING AND PRESERVATION	For CPP, ESP will be provided which will meet SPM limits within 50 mg/nm3.	PPs Submission	Total 3 nos. of ESP with 13 no?s fields are incorporated in coal-based power plant & boiler to control SPM emission, against only 09 nos. of ESP fields required. Online monitoring devices has installed for PM, SOx, NOx and data is being transmitted to online GPCB/CPCB website. The summery of Stack monitoring report is attached here with. Complied Attachment: Click to View
			PPs Submission	Total 3 nos. of ESP with 13 no?s fields are incorporated in coal-based power plant & boiler to control SPM emission, against only 09 nos. of ESP fields required. Online monitoring devices has installed for PM, SOx, NOx and data is being transmitted to online GPCB/CPCB website. The summery of Stack monitoring report is attached here with. Complied Attachment: Click to View
9	Risk Mitigation and Disaster Management	All liquid raw material shall be stored in storage Tanks and Drums	PPs Submission	We practice All liquid raw materials are being kept in drums & Suitable storage tanks with proper safety measures. Complied Attachment: NA

10	AIR QUALITY MONITORING AND PRESERVATION	Regular monitoring for SO2, NOx, HCl, Cl2, CH4, P2O5, DMS, H2S, HC, PCI3, NH3, CS2 and CO, HC and VOC along with SPM and RSPM in the ambient air at various probable locations in and around the plant shall be carried out.	PPs Submission	We do conduct Internal & External AAQ Monitoring for National Ambient Air Quality Standards. All Values are well within Limits. The NABL Accredited laboratory monitoring reports are enclosed herewith. Complied Attachment: Click to View
			PPs Submission	We do conduct Internal & External AAQ Monitoring for National Ambient Air Quality Standards. All Values are well within Limits. The NABL Accredited laboratory monitoring reports are enclosed herewith. Complied Attachment: Click to View
11	AIR QUALITY MONITORING AND PRESERVATION	The location of ambient air quality monitoring station shall be reviewed in consultation with the State Pollution Control Board (SPCB) and additional stations shall be installed, if required in the downwind direction as well as where maximum ground level concentration are anticipated.	PPs Submission	We have installed three AAQ monitoring stations as per SPCB guidelines for monitoring of PM10, PM2.5, SO2, NOX and other NAAQS. Adequate scrubber system is provided in all stacks to meet the stipulation given by State Pollution Control Board (GPCB). We submit AAQ & stack monitoring data to the Ministry every six month and to State Pollution Control Board (GPCB) every month. The location map and the summery of AAQM monitoring report is attached. Complied Attachment: Click to View
12	Risk Mitigation and Disaster Management	Use of toxic solvent like Methylene Chloride (M.C.) etc. shall be	PPs Submission	We are not using Methylene Chloride OR Benzene or Mercaptans at the site. However, H2S is formed in the process of manufacturing of CS2 which is taken to Sulphur Recovery Unit (SRU) as per the Amendment

		<p>minimized to the extent possible.</p> <p>Benzene shall not be used as solvent and no odorous compounds/ gas like Mercaptans or Hydrogen Sulfide shall be used or formed in any of reactions at the site.</p>		<p>given in the EC.</p> <p>Complied</p> <p>Attachment: NA</p>
13	WATER QUALITY MONITORING AND PRESERVATION	Bioassay test and toxicity index shall be carried out regularly.	PPs Submission	<p>We do Bioassay and toxicity test through our Internal lab as well as through external party (BEIL, Ankleshwar). As per third party result, average 90 to 92 % fish survival ratio is obtained by keeping fish for 96 hrs. in 100% treated effluent. Third party report enclosed.</p> <p>Complied</p> <p>Attachment: Click to View</p>
14	Risk Mitigation and Disaster Management	<p>All the storage tanks shall be under negative pressure to avoid any leakages. Breathers, N2 blanketing and condensers will be provided for all the storage tanks. Closed handling systems for chemicals and solvents will be provided.</p> <p>Mechanical seals will be provided for pumps/agitators for reactors for reduction</p>	PPs Submission	<p>Nitrogen blanketing is used for certain material storages. Breather valves are provided for solvent storages wherever necessary. Closed handling system is also used. Seal-less pumps are used for hazardous/toxic chemical handling. Solvent traps/ Condensers are provided. Chilled Brine system is provided for VOC emission control. VOC monitoring is being carried out through third party (BEIL, Ankleshwar) and The storage details are attached.</p> <p>Complied</p> <p>Attachment: Click to View</p>

		of fugitive emissions. Chilled Brine based condensers shall be used to prevent VOC emissions. Solvent traps shall be installed wherever necessary.		
15	Risk Mitigation and Disaster Management	All venting equipment shall have vapour recovery system. All the pumps and other equipment's where there is a likelihood of HC leakages shall be provided with Leak Detection and Repair (LDAR) system and LEL indicators and Hydrocarbon detectors. Provision for immediate isolation of such equipment, in case of a leakage will also be made. The company shall provide a well defined Leak Detection and Repair (LDAR) programme for quantification and control of fugitive emissions. The detectors sensitivity will be in ppm levels.	PPs Submission	All venting of equipment is connected to condensers/ process Scrubbers to scrub excess vapour. LDAR (Leak Detection and Repairs) system is being followed to reduce VOC / HC emission. We also do third party (BEIL, Ankleshwar) VOC/ HC monitoring and report is attached herewith. We also monitor LEL through LEL meter. In addition, online sensors are provided with alarm system for hazardous chemicals like H2S, Cl2, Ammonia, TEP, EO, HCN, Acrolein, CS2, H2, HCL etc. Usage of seal less pumps for toxic chemicals. Mechanical seals for certain reactors. Regular inspections are carried out with reference to plant operations like Pumps, Valves, Pipes etc, as per maintenance software (SAP). Complied Attachment: Click to View

16	Statutory compliance	Spent solvents shall be recovered as far as possible & solvent recovery shall be further increased from the present 95% to at least 98%. Solvent vapours emitted during purification process from purification tanks as fugitive emissions shall be reduced as far as possible.	PPs Submission	Solvent recovery is above 95% from spent solvent and will be further improved. With additional chilled water / brine in secondary condenser, the solvent vapor recovery is increasing. The solvent recovery details is attached herewith. Complied Attachment: Click to View
17	AIR QUALITY MONITORING AND PRESERVATION	Portable monitoring instruments for all relevant gases like Chlorine and Ammonia shall be provided.	PPs Submission	We have provided portable and fixed type Chlorine, CS2, VOC, H2S, NH3 Sensors at different work place areas. Complied Attachment: NA
18	AIR QUALITY MONITORING AND PRESERVATION	Fugitive emissions in the work zone environment, product, raw materials storage area shall be regularly monitored for all relevant parameters. The emissions shall conform to the limits imposed by the State Pollution Boards/Central	PPs Submission	Fugitive emission is controlled by using seal-less pumps for toxic chemicals, flange-guards, mechanical seals for pumps and reactors etc. The more details is attached. Complied Attachment: Click to View

		Pollution Control Board.		
19	WATER QUALITY MONITORING AND PRESERVATION	No ground water shall be used for the project. Water requirement will not exceed 10,000 m3/day, which will be met through GIDC Water supply.	PPs Submission	We do not use ground water. Water is supplied by GIDC. The Monthly Details of Water Consumption is enclosed. Complied Attachment: Click to View
			PPs Submission	We have obtained EC dated 08-06-2022 with Water Quantity 13000 KLD and CTE/CTO has been obtained for same. The CTO Approved Quantity is 11884 KLD. Complied Attachment: NA
20	WATER QUALITY MONITORING AND PRESERVATION	Daily waste water generation will not exceed to 4,575 m3/day. The whole waste water shall be treated in the proposed two ETPs. One Effluent Treatment Plant shall consist of primary, secondary and tertiary treatment units for the proposed Pesticide, CS2 and MnSO4 Plants. The inorganic stream shall be sent to CETP after the primary treatment. The Biodegradable stream	PPs Submission	Average effluent discharge @ 2654.69 KLD against GPCB permissible limit of 3247 KLD for period Apr 2023-Sep 2023. All effluent streams are being treated in ETP. Biodegradable Effluent treatment plant consists of primary, Secondary, and tertiary treatment. We have proper segregation system for inorganic effluent, organic Biodegradable?s effluent, high TDS effluent and toxic effluent. ? We are segregating Mother Liquor containing Sodium Sulphate and taking to Multiple Effect Evaporation System (MEE). ? By-product Sodium Sulphate is recovered from this plant. In another MEE, high TDS effluent is treated, and the salt generated is disposed of to TSDF. ? All incinerable streams are being sent for incineration at BEIL, Ankleshwar. ? The inorganic effluent stream from caustic chlorine & captive power plant is being treated separately internally (CETP) and taken to RO System of 880 KLD capacity. ? The treated effluent is being discharged to deep sea through closed above ground pipeline system. No solvent is being carried over to ETP. The summarized third party (BEIL, Ankleshwar) monitoring report is attached

			<p>shall be treated up to tertiary treatment. High TDS and low COD stream shall be taken to MEE System and High Organic (high COD) stream will be incinerated. The final treated effluent will be collected in collection sump and discharged through GIDC drainage line. The effluent generated from the proposed 350 TPD Caustic Chlorine and enhanced CPP shall be treated in the existing ETP of CPP which will be modified. The effluent generated from the proposed pesticides intermediate and technical products, CS2 and MnSO4 shall be treated in the proposed ETP. The treated effluent shall be sent to CETP of BEAIL for final discharge into the deep sea through closed pipeline. No free</p>	<p>Complied Attachment: Click to View</p>	
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		solvent shall go to the ETP.		
21	WASTE MANAGEMENT	<p>Hazardous/Solid Waste generated shall be as per the list and quantities submitted to this Ministry as per the letter no. UJH/PRO/17/2007 dated 14th May 2007. On-site Incinerator shall be installed to incinerate incinerable waste. Otherwise the waste shall be sent to the Common Incinerator of BEIL. Land fillable waste shall be sent to BEIL-TSDF</p>	PPs Submission	<p>We have taken membership of BEIL and sending hazardous wastes (landfillable and incinerable) to BEIL regularly. We have not installed captive incinerator yet. The authorization for disposal of Hazardus Waste has been obtained from GPCB vide latter No AWH-126345 dated 10.08.2023 Valid upto 19.11.2024. The Hazardous waste disposal statement is attached herewith</p> <p>Complied</p> <p>Attachment: Click to View</p>
22	AIR QUALITY MONITORING AND PRESERVATION	<p>Emissions from the incinerator shall be within the prescribed norms for the incinerators. Monitoring Protocol as prescribed in these standards shall be followed.</p>	PPs Submission	<p>We have not installed Incinerator and all waste is being sent to TSDF. Details of Disposal of Hazardous Waste is enclosed.</p> <p>Complied</p> <p>Attachment: Click to View</p>
23	Statutory compliance	<p>Fly ash generated from the CPP will be utilized for Brick manufacturing and for Cement</p>	PPs Submission	<p>We have started selling fly ash for utilization ? to brick manufacturers/ end users.</p>

		manufacturing as per the Fly Ash Utilization Notification.		Complied Attachment: NA
24	Risk Mitigation and Disaster Management	All safety measures suggested in the letter no. UJH/PRO/17/2007 dated 14th May 2007 for the solvent and reactants storage shall be implemented.	PPs Submission	All safety measures considered during project implementation. Copy of the letter is attached. Complied Attachment: Click to View
25	WASTE MANAGEMENT	The company shall undertake following Waste Minimization measures. 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	PPs Submission	We are using measured quantities for manufacturing and all records are maintained in SAP system for better control over waste generation. the more details is attached. Complied Attachment: Click to View

		equipment clearing to reduce wastewater generation.			
26	Risk Mitigation and Disaster Management	<p>The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in 2000 for handling of hazardous chemicals. Necessary approvals from Chief Controller of Explosives must be obtained before commissioning of the expansion project. Requisite On-Site and Off-Site Disaster Management Plans will be prepared and implemented. Regular mock drills shall be carried out for both On-Site and Off-Site plans.</p>	<table><tr><td>PPs Submission</td><td><p>We have got approval from Chief Controller of Explosives as per the requirements. On Site Emergency Plan is updated and mock drills are conducted regularly on quarterly basis. We have submitted required data for off site emergency plan which is coordinated by District authorities. The Onsite emergency plan is enclosed</p><p>Complied</p><p>Attachment: Click to View</p></td></tr></table>	PPs Submission	<p>We have got approval from Chief Controller of Explosives as per the requirements. On Site Emergency Plan is updated and mock drills are conducted regularly on quarterly basis. We have submitted required data for off site emergency plan which is coordinated by District authorities. The Onsite emergency plan is enclosed</p> <p>Complied</p> <p>Attachment: Click to View</p>
PPs Submission	<p>We have got approval from Chief Controller of Explosives as per the requirements. On Site Emergency Plan is updated and mock drills are conducted regularly on quarterly basis. We have submitted required data for off site emergency plan which is coordinated by District authorities. The Onsite emergency plan is enclosed</p> <p>Complied</p> <p>Attachment: Click to View</p>				

27	WATER QUALITY MONITORING AND PRESERVATION	The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water.	PPs Submission	We have implemented Rain Water harvesting system and The Rainwater is being pumped and taken back to guard pond of ETP for further treatment and treated rain water is used in process/utility within plant area. We have not implemented Rain Water Recharge to ground water. Total Harvested Quantity for FY 2022-23 is 12192 M3. Complied Attachment: Click to View
28	GREENBELT	Minimum 25% of the total area shall be developed as green belt as per the CPCB guidelines. Additional 1,12,091 sq.m shall be developed as green belt.	PPs Submission	We have developed 10 m wide green belt all along the boundary within factory area with native species. The more green belt area details are given in attachement. Complied Attachment: Click to View
29	Human Health Environment	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	PPs Submission	The company is having full time medical doctor and Occupational Health & Safety. Pre-employment and routine medical examinations are being carried out. We are also doing full body medical checkup by external expert agency once in year. All medical records are being maintained and sample copy of Medical Examination report is attached . Complied Attachment: Click to View
30	Human Health Environment	Training shall be impaired to all employees on safety and health aspects of	PPs Submission	We have conducted different safety trainings to different level of Employees. The Contractual Workers are also given training for safety and health aspects. The training details records is enclosed.

		chemicals handling. As informed to the Ministry. OHSAS 18001 shall be continued. 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.		Complied Attachment: Click to View
31	Human Health Environment	Usage of PPEs by all employees/ workers shall be ensured.	PPs Submission	Proper PPEs are given to all employees & workers after training /Safety Talk and on basis of Job Nature with respect to Hazards Associated to Job. Complied Attachment: NA
32	Corporate Environmental Responsibility	The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP).	PPs Submission	We comply all requirement of CREP and Submit report to GPCB. The Details of CREP Compliance is enclosed herewith. Complied Attachment: Click to View
33	WATER QUALITY MONITORING AND PRESERVATION	The company shall harvest surface as well as rainwater from the rooftops of the	PPs Submission	We have implemented Rain Water harvesting system and The Rainwater is being pumped and taken back to guard pond of ETP for further treatment and treated rain water is used in process/utility within

		buildings proposed in the expansion project and storm water drains to recharge the ground water and use the same water for various activities of the project to conserve fresh water.		plant area. We have not implemented Rain Water Recharge to ground water. Total Harvested Quantity for FY 2022-23 is 12192 M3. Complied Attachment: Click to View
34	Risk Mitigation and Disaster Management	All the recommendations made by the consultants in respect of environmental management and risk mitigation measures relating to the project shall be implemented.	PPs Submission	All the recommendations with respect to Environment Management Plan and Risk Assessment have been implemented. the more details is attached. Complied Attachment: Click to View
35	Corporate Environmental Responsibility	The company shall undertake all relevant measures as indicated during the Public Hearing for improving the Socio-economic conditions of the surrounding area. CSR activities will be undertaken by involving local villages and administration.	PPs Submission	Not applicable as Public Hearing was not conducted for this project. However, CSR Activities are undertaken by the Company and list of CSR activities is attached Complied Attachment: Click to View

36	Statutory compliance	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. The eco-development plan should be submitted to the SPCB within three months of receipt of this letter for approval.	PPs Submission	We have undertaken / Continue to do CSR/CER Activities considering Local Area Needs and Eco Development Parameter. The Details of Activities is enclosed. Complied Attachment: Click to View
37	Statutory compliance	The production of Glyphosate (Technical) shall not be more than 1000 TPM and the by product Ammonium Sulphate 120 KL per day (equivalent to 25 TPD Solid) generated during process shall be sold to actual user and record shall be produced with monitoring report to the Ministry's Regional Office at Bhopal.	PPs Submission	Due to market conditions, we have not manufactured Glyphosate during this period. However, we have obtained Amended CC&A for manufacture of alternate product i.e., Glufosinate which belongs to same group in the same plant. We have also obtained a valid CC&A for the product mix change from GPCB. Complied Attachment: NA
38	WATER QUALITY MONITORING AND PRESERVATION	The water consumption, wastewater generation	PPs Submission	The water consumption for Glyphosate / Glufosinate plant is approx. 806 KL/day and generated wastewater is sent to RO Plant with capacity of 250 KL/Day and permeate is recycled back in process. All hazardous

		and hazardous waste (ETP sludge) generation shall reduce from 1,151 KLD to 812 KLD; 813 KLD to 98.54 KLD and 2.39 TPD to 0.3 TPD respectively.		waste generated is disposed of to Common TSDF Site of BEIL Ankleshwar. Complied Attachment: NA
39	AIR QUALITY MONITORING AND PRESERVATION	The company shall provide wet scrubber for control of NH3 emissions within the GPCB norms and monitoring arrangements shall be made in the vent.	PPs Submission	We do internal & third party (BEIL, Ankleshwar) stack monitoring twice in a month and All results are well within GPCB permissible limit. The summery of Stack monitoring report is attached. Complied Attachment: Click to View
			PPs Submission	We do internal & third party (BEIL, Ankleshwar) stack monitoring twice in a month and All results are well within GPCB permissible limit. The summery of Stack monitoring report is attached. Complied Attachment: Click to View

40	MISCELLANEOUS	<p>The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MOEF, the respective Zonal office of CPCB and the State Pollution Control Board. The levels of SPM, RSPM, SO2, NOx, HCL and VOC (ambient level) and emissions from the stacks shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.</p>	<div>PPs Submission</div> <div> <p>Unit submits six monthly reports on status of compliance of stipulated EC conditions including results of monitored data to IRO of MoEF&CC, Zonal Office of CPCB and GPCB and six-monthly compliance status report will be posted on web site. The Link is given below for Last Report. https://www.upl-ltd.com/downloads/health-and-safety/env-policy/unit-5/U_05_EC_Half_Yearly_Compliance_Report_For_OCT_22_TO_MAR_23.pdf</p> <p>The monitoring results are also displayed on the display board installed at the company gate.</p> <p>Complied</p> <p>Attachment: NA</p> </div>
41	Statutory compliance	<p>The project proponent shall also submit six monthly reports on the status of compliance of</p>	<div>PPs Submission</div> <div> <p>Unit submits six monthly reports on status of compliance of stipulated EC conditions including results of monitored data to IRO of MoEF&CC, Zonal Office of CPCB and GPCB and six-monthly compliance status</p> </div>

		the stipulated EC conditions including results of monitored data (both in hard copy as well as by e-mail) to the respective Regional office of MoEF, the respective Zonal Office of CPCB and the State Pollution Control Board.		<div> <div>report will be posted on web site. The Link is given below for Last Report. https://www.upl-ltd.com/downloads/health-and-safety/env-policy/unit-5/U_05_EC_Half_Yearly_Compliance_Report_For_OCT_22_TO_MAR_23.pdf</div> <div>Complied</div> <div>Attachment: NA</div> </div>
42	Statutory compliance	The environment 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	PPs Submission	<div> <div>We submit Annual Report (Form V) to GPCB every year. The latest Annual Report submitted to GPCB is attached herewith.</div> <div>Complied</div> <div>Attachment: Click to View</div> </div>

		Regional Offices to MoEF by e-mail.	
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General Conditions

Sr.No.	Condition Heading	Condition Details	Status of Compliance,Remarks/Reason and Supporting Documents	
1	Statutory compliance	The project authorities shall strictly adhere to the stipulations made by the State Pollution Control Board.	PPs Submission	The Consent to Establish and Consent to Operate has been obtained from GPCB for Implementation and Operations of Project. The Conditions of Granted CC&A have been complied by Unit. Complied Attachment: NA
2	MISCELLANEOUS	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. 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	PPs Submission	We have not done Expansion/Modifica without approval of MoEF/GPCB. Complied Attachment: NA

		additional environmental protection measures required, if any.		
3	AIR QUALITY MONITORING AND PRESERVATION	At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	PPs Submission	We do internal monitoring through our lab as well as through third party (BEIL, Ankleshwar) twice in a month and Summarized monitoring data is attached: Complied Attachment: Click to View
			PPs Submission	We do internal monitoring through our lab as well as through third party (BEIL, Ankleshwar) twice in a month and Summarized monitoring data is attached: Complied Attachment: Click to View
4	WASTE MANAGEMENT	The project authorities shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October, 1994 and January, 2000. Authorization from the SPCB shall be obtained for collection, treatment, storage, and	PPs Submission	We are complying with the MSIHC Rules and Hazardous waste & other wastes (Handling & transboundary Movement) rules 2016. The copy of onsite emergency plan is Enclosed. The authorization for disposal of Hazardus Waste has been obtained from GPCB vide latter No AWH-126345 dated 10.08.2023 Valid upto 19.11.2024. Complied Attachment: Click to View

		disposal of hazardous wastes.		
5	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 Environment (protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	PPs Submission	We have implemented enclosures, hoods and silencers at different areas in plant. The Noise Monitoring is done by NABL Approved Laboratory. All Values are within permissible limit. The Noise monitoring ranges are Enclosed. Complied Attachment: Click to View
6	Risk Mitigation and Disaster Management	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report.	PPs Submission	We are Complying all Environmental measures and safeguards given in EIA/EMP Report. The Detailed Compliance to EIA/EMP Outlined is enclosed herewith. Complied Attachment: Click to View
7	MISCELLANEOUS	A separate Environmental Management Cell equipped with full-fledged laboratory	PPs Submission	We have separate environment cell with Laboratory for ETP Operation, environmental monitoring of AAQM, Effluent, Stacks, Noise, Work place, RWH, Etc. The Details of Environment Management Cell is enclosed.

		facilities shall be set up to carry out the Environmental Management and Monitoring functions.		Complied Attachment: Click to View
8	MISCELLANEOUS	The project authorities shall earmark separate funds of Rs. 43.09 Crores to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. Rs. 07.00 crores will be the annual recurring expenditure for environmental protection measures. The funds so provided shall not be diverted for any other purpose.	PPs Submission	We have earmarked separate funds for Implementation of conditions stipulated by Ministry. No diversion of funds is done. The details of Environmental Expenditures After Grant of EC have been Tabulated in attachment. Complied Attachment: Click to View
9	Statutory compliance	The implementation of the project vis-à-vis environmental action plans shall be monitored by the concerned Regional	PPs Submission	We are submitting the half yearly compliance report every half yearly to the Ministry/SPCB/CPCB. The previous report submitted is for period Oct 2022 to Mar 2023. The Link is given below for Last Report. https://www.upl-ltd.com/downloads/health-and-safety/env-policy/unit-5/U_05_EC_Half_Yearly_Compliance_Report_For_OCT_22_TO_MAR_23.pdf

		Office of the Ministry / SPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies.		Complied Attachment: NA
10	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 at http://envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to</p>	PPs Submission	<p>Advertisement was given in two newspapers i.e. Times of India- Surat Edition dated 7th August 2007 and Gujarat Samachar dated 5th August 2007 (English and Gujarati) and details submitted to GPCB and MoEF.</p> <p>Complied Attachment: NA</p>

		the concerned Regional Office of the Ministry.		
11	MISCELLANEOUS	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	PPs Submission	We have not taken financial assistance from any authority hence not applicable. We have implemented project in phase wise manner and introduced new products through product mix change from GPCB without increase in pollution load certification. Complied Attachment: NA

Document Upload

Last Site Visit Report (if available)

NA

Last Site Visit Report Date (if available)

Additional Attachment (if any)

NA

Additional Remarks (if any)

☒

I 'M/s UPL Limited' hereby give undertaking that the data and information given in the filed compliance and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the clearance given to the project will be revoked at our risk and cost. In addition to above, I hereby give undertaking that no activity such as change in project layout, construction, expansion, etc. has been taken up without due approval.

Cover Letter From IRO

Cover Letter From
IRO

NA

Back

Your application has been Submitted with following details

Proposal No	IA/GJ/IND2/27263/2015
Compliance ID	20024100
Compliance Number(For Tracking)	EC/M/COMPLIANCE/20024100/2023
Reporting Year	2023
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	09-11-2023
IRO Name	Shrawan Kumar Verma
IRO Email	kr099.ifs@nic.in
State	GUJARAT
IRO Office Address	Budgam

Note:- SMS and E-Mail has been sent to Shrawan Kumar Verma, GUJARAT with Notification to Project Proponent.

Back

View Compliance Report at Project Proponent

Proposal Details

Proposal No	IA/GJ/IND2/27263/2015	Category	Industrial Projects - 3		
Proposal Name	Expansion of agro and other organic chemical manufacturing Unit by M/S UPL Ltd.(Unit-V) at plot No.-746 & 750, Jhagadia Industrial Estate, Taluka- Jhagadia, District- Bharuch (Gujrat)				
Plot / Survey/ Khasra No.		Village(s)		Sub-District(s)	
State	GUJARAT	District	BHARUCH		
MoEF File No	J-11011/80/2015-IA-II(I)	Name of the Entity/ Corporate Office	M/s UPL Limited	Entity's PAN	NA
Entity Name as per PAN	NA	Entity details mentioned above is correct ?	Agree		

Covering Letter	
Covering Letter	Click to View

Compliance Reporting Details			
Reporting Year	2023	Reporting Period	01 Dec(01 Apr - 30 Sep)
Remark(if any)	We are submitting herewith EC Half Yearly Compliance Report for the period of April-2023 to September-2023.		

Details of Production and Project Area	
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Date of Commencement of Project/Activity	09-11-2023	
	Project Area as per EC Granted(ha.)	Actual Project Area in Possession(ha.)
Private	0	0
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	0	0

PRODUCTION CAPACITY							
Sr.No.	Name of the Product	Units	As per EC Granted	As per CTO Granted	CTO ID	Valid Up To	Production during last financial year
1	Pesticide Formulations	Tons per Annum (TPA)	215400				29666.645
2	Speciality Chemicals	Tons per Annum (TPA)	226416				86832.09
3	Others Products	Tons per Annum (TPA)	5000				2590.915
4	Pesticide Intermediates	Tons per Annum (TPA)	95000				19978.75
5	Caustic Chlorine Plant	Tons per Annum (TPA)	393024				91324.556
6	Pesticide Technical	Tons per Annum (TPA)	271800				86563.74

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details	Status of Compliance,Remarks/Reason and Supporting Documents	
1	Statutory compliance	The project proponent shall take stringent mitigating measures to	PPs Submission	Unit has taken stringent mitigation measures to control Particulate Matter emissions. We have conducted AAQM monitoring for PM

		minimize incremental concentration of air pollutants namely PM10 and PM 2.5 to the extent possible due to proposed industrial operations		2.5 and PM10 and all results are well within limit. The detail report is attached Complied Attachment: Click to View
2	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall develop local air quality management plan in consultation with SPCB and implement to achieve desired standards.	PPs Submission	We have developed local air quality management plan in consultation with GPCB. ?The GPCB has granted CC&A with Parameters for Ambient Air Quality PM10, PM2.5, SO2 and NOx. The ranges of Monitoring Reports are Given in attachment. ?The GPCB has suggested three Ambient Air Quality Monitoring Stations within premises which have been implemented and Monitoring of AAQM has been Started. ?We have provided Sampling Ports / Ladders / Power Supply Connections to Every Process and Flue Gas Stacks. ?We have Installed ESPs at Flue Gas Stacks of Power Plant for Control of Particulate Matter. The ESP Performance Report are Given in attachment. ?The OCEMS have been installed as per GPCB/CPCB Guidelines and Data have been transmitted to GPCB/CPCB Server. The Screen short of OCEMS Data transmission to CPCB/GPCB is attached. Complied Attachment: Click to View
3	Statutory compliance	The Incremental ground level concentrations for PM10, PM2.5, SO2 and NOX due to increased vehicular and other allied / developmental activities, shall be analyzed and reported for actual impact of the	PPs Submission	We have Conducted Incremental GLC Studies from MoEF Approved NABL Accredited Laboratory. The Copy of Report is Enclosed. Complied Attachment: Click to View

		project, besides remedial measures.		
4	AIR QUALITY MONITORING AND PRESERVATION	National Emission Standards for Pesticide Manufacturing and Formulation Industry issued by the Ministry vide G.S.R. 46(E) dated 3rd February, 2006 and amended time to time shall be followed by the unit.	PPs Submission	The Compliance to National Emission Standards for Pesticide Manufacturing Industry is attached. Complied Attachment: Click to View
5	AIR QUALITY MONITORING AND PRESERVATION	Natural Gas / Imported Coal with less than 5% Sulphur content / Biomass / Briquettes shall be used as fuel source for one no. New boiler of 150 TPH. Two stage water scrubbers with 30 meters stack height to be provided for control of process emissions of Ammonia, HCL and SO2 emissions separately.	PPs Submission	We use Imported Coal with less than 5% Sulphur Content for Power Plant. The Coal Analysis Ranges of Analysis Reports is Attached. Complied Attachment: Click to View

6	AIR QUALITY MONITORING AND PRESERVATION	Two stage water scrubber followed by alkali scrubber to be provided to process vent to control process emissions like HCL, SO2, Cl2, Nox, HBr. Acidic scrubber to be provided to process vent to control process emissions of NH3 and HC. Scrubbed water to be sent to ETP For further treatment. Efficiency of scrubber to be monitored regularly and maintained properly. Scrubbers vent to be provided with online detection and alarm system to indicate higher than permissible value of controlled parameters. At no time, emission levels to go beyond prescribed standards. System to be interlocked with pollution control equipment so that in case of any increase in pollutants beyond permissible, plant should be automatically stopped.	PPs Submission	We have Provided Three Stage / Two Stage Scrubbers at different process emission sources on basis of application. the more details is attached. Complied Attachment: Click to View
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7	AIR QUALITY MONITORING AND PRESERVATION	In plant control measures for checking fugitive emissions from all vulnerable sources to be provided. Fugitive emissions to be controlled by providing closed storage, closed handling and conveyance of chemicals / materials, multi cyclone separate and water sprinkling system. Dust suppression system including water sprinkling system to be provided at loading and unloading areas to control dust emissions. Fugitive emissions in work zone environment, product, raw materials storage area etc to be regularly monitored and records maintained.	PPs Submission	Fugitive emissions is controlled by providing closed storage, closed handling and conveyance of chemicals through pumping system. the more details is attached. Complied Attachment: Click to View
8	AIR QUALITY MONITORING AND PRESERVATION	"For further control of fugitive emissions, following steps to be followed; ?Closed handling system to be provided for chemicals ? Reflux condenser to be provided over reactor ? System of LDAR of pump	PPs Submission	We have provided following measures. 1) Closed handling system for chemicals and liquid materials. 2) Reflux Condenser and chilled brine recovery system. 3) Implemented LDAR for Pump / Pipelines 4) Transfer of Acids through closed pipelines from Storage Tank to Reactors. 5) Storage tanks are connected through Water / Alkali Colum The photographs showing implemented measures are given in attachment.

		<p>/ pipeline based on preventive maintenance ?</p> <p>Acids to be taken from storage tanks to reactors through closed pipeline.</p> <p>Storage tanks to be vented through trap receiver and condenser operated on chilled water</p> <p>?Cathodic protection to be provided with underground solvent storage tank"</p>		<p>Complied</p> <p>Attachment: Click to View</p>
9	Risk Mitigation and Disaster Management	<p>A proper Leak Detection and Repair (LOAR) Program for pesticide unit shall be prepared and implemented as per CPCB guidelines. Focus shall be given for prevention of fugitive emissions for which preventive maintenance of pumps, valves, pipelines are required. Proper maintenance of mechanical seals of pumps and valves shall be given. A preventive maintenance schedule for each unit shall be prepared and adhered to.</p>	<p>PPs Submission</p>	<p>We have implemented LDAR program in compliance to CPCB Guidelines with focus on fugitive emission control. The LDAR Program Details are Attached</p> <p>Complied</p> <p>Attachment: Click to View</p>

10	MISCELLANEOUS	Company shall take all the measures in order to protect the machineries and equipments for pesticide producing unit from ageing.	PPs Submission	We have implemented SAP Based Maintenance schedule for all equipment?s. The Screenshot of SAP Based Maintenance program is attached. Complied Attachment: Click to View
11	AIR QUALITY MONITORING AND PRESERVATION	Continuous monitoring system for chlorine, HCl as well as VOCs shall be installed at all important places/areas. Effective measures shall be taken immediately, when monitoring results indicate above the permissible limits. Alarm for chlorine leakage if any in the liquid chlorine storage area is provided along with automatic start of the scrubbing system.	PPs Submission	We have installed Continuous Online Emission Monitoring system for Cl2 and HCl with Indication to Central Control Room and Data have been transmitted to CPCB/GPCB. the more details is attached. Complied Attachment: Click to View
12	AIR QUALITY MONITORING AND PRESERVATION	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.	PPs Submission	The DG Sets are Used in Case of Emergency and we have provided 45 M Stack height for 2080 KVA & 1500 KVA DG Sets, 35 M Stack Height provided to 1010 KVA DG Set, and 17 M Stack Height is provided to 1250 KVA DG Set. For Other Small Size DG Sets, sufficient stack height for DG Sets for dispersion of all pollutants. The Unit has installed Acoustic Enclosures as per CPCB Standards at DG Sets.

			Complied Attachment: NA
13	Statutory compliance	"Solvent management to be carried out as follows; ?Chilled brine circulation system to be provided to condensate solvent vapours and reduce solvent losses, ensuring that solvent recovery should not be less than 95 % ?Reactor and solvent handling pump to have mechanical seals to prevent leakages ? Condensers to be provided with sufficient HTA and residence time so as to achieve more than 95 % recovery ? Solvent to be stored in separate space specified with all safety measures ? Proper earthing to be provided in all electrical equipment wherever solvent handling is done ?Entire plant to be flameproof. Solvent storage tanks should be provided with breather valve to prevent losses"	PPs Submission Suitable Sized Chiller Brine Circulation Systems have been Installed for Solvent recovery. The Solvent recovery is more than 95%.the more details is attached. Complied Attachment: Click to View

14	WATER QUALITY MONITORING AND PRESERVATION	Fresh water demand after proposed expansion should be limited from 17,000 KLD to 10,000 KLD and prior permission to be obtained from competent authority.	PPs Submission	The Fresh water requirement is 11883 KLD which is supplied by GIDC Only and the authorization for Fresh water consumption has been obtained from GPCB vide latter No AWH-126345 dated 10.08.2023 Valid upto 19.11.2024. The Month wise fresh water consumption is enclosed Complied Attachment: Click to View
15	WASTE MANAGEMENT	"The effluent shall be segregated into cyanide stream and High TDS/COD effluent streams. Cyanide effluent stream will be treated with sodium hypochlorite in alkaline medium. High TDS/COD effluent stream will be rassed through steam stripper followed by concentrated in MEE. MEE condensate will be treated in the ETP. Treated effluent from ETP will be passed through RO. RO permeate will be recycled/reused within plant premises. Domestic sewage should be treated in STP. Water quality of treated effluent should meet the norms	PPs Submission	We have implemented following Stream Segregation Measures are attached. Complied Attachment: Click to View

		prescribed by CPCB/SPCB."		
16	WASTE MANAGEMENT	The industry will reduce the effluent quantity from 4,768 KL/Day to 3,000 KL/Day by adopting recycle/reuse. Treated effluent will be discharged to Conveyance System of Narmada Clean Tech and disposed to deep sea.	PPs Submission	All effluent streams are being treated in ETP. Biodegradable Effluent treatment plant consists of primary, Secondary, and tertiary treatment; and all parameters are well within limit. We are using C-Tech's SBR technology for effluent treatment & installed new ETP with MBBR Technology. We have proper segregation system for inorganic effluent, organic Biodegradable's effluent, high TDS effluent and toxic effluent. The Details of ETP is Enclosed and summarized third party (BEIL, Ankleshwar) monitoring data is attached. Complied Attachment: Click to View
17	WASTE MANAGEMENT	Process effluent / any wastewater shall not be allowed to mix with storm water. SWD to be passed through guard pond.	PPs Submission	We have provided separate drainage system for storm water collection and disposal. We ensure there is no mixture of process effluent/any wastewater with storm water. The storm water drains are facilitated with Online pH Meter, Reverse Pumping and CCTV Camera. The CCTV Footage is attached. We have implemented Rain Water harvesting system and The First Rainwater is being pumped and taken back to guard pond of ETP for further treatment and treated rain water is used in process/utility within plant area. Complied Attachment: Click to View
18	Risk Mitigation and Disaster Management	Hazardous chemicals shall be stored in tanks in tank farms, drums, carboys etc. Flame arresters shall be	PPs Submission	Hazardous chemicals are stored in tanks in tank farm, drums, carboys etc. as per MSIHC Rules & Flame arresters are provided on every tank farm. The Detailed Storage Compliance for Hazardous Chemicals is enclosed herewith.

		provided on tank farm. Solvent transfer shall be by pumps.		Complied Attachment: Click to View
19	WASTE MANAGEMENT	The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous & Other Wastes (Management & Trans-Boundary Movement) Rules 2016 and amended as on date for management of Hazardous wastes and prior permission from GPCB shall be obtained for disposal of solid / hazardous waste in the TSDF. Measures shall be taken for fire fighting facilities in case of emergency. Membership of TSDF for hazardous waste disposal shall be obtained.	PPs Submission	The authorization for disposal of Hazardus Waste has been obtained from GPCB vide latter No AWH-126345 dated 10.08.2023 Valid upto 19.11.2024. We send waste for Co Processing, TSDF for Incineration and Land Filling and send used oil to recyclers. Hazardus Waste Disposal Statements is attached and The Unit has prepared On Site Emergency Plan. The Copy of Onsite Emergency plan is attached. Complied Attachment: Click to View

20	WASTE MANAGEMENT	ETP sludge, inorganic waste to be sent to TSDF. High CV waste such as spent organic to be sent to cement factory / incinerated.	PPs Submission	ETP sludge, inorganic waste is sent to TSDF. High CV waste such as spent organic is sent to incineration and Co Processing to Cement Plants. The copy of MoUs made with cement plant is attachment. Complied Attachment: Click to View
21	WASTE MANAGEMENT	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 11989 as amended in October, 1994 and January, 2000. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	PPs Submission	The Compliance to MSIHC Rules 1989 and its amendments has been adhered by providing following facilities. 1) Fire Fighting Network as per Standards 2) PPE to All Workers 3) First Aid Measures 4) Occupational Health Centre and Availability of Doctor round the clock with nurse. 5) Ambulance and Fire Hydrant in Place 6) Risk Assessment and Hazop Studies 7) On Site / Off site emergency Plan in Place & attached herewith 8) Periodic Mock Drills 9) Training and Awareness 10) Annual / Half Yearly Health Check Ups 11) Annual Safety Audits by Third Party and Submission of Compliance to Audit to DISH Office. The authorization for disposal of Hazardus Waste has been obtained from GPCB vide latter No AWH-126345 dated 10.08.2023 Valid upto 19.11.2024. Complied Attachment: Click to View

22	Risk Mitigation and Disaster Management	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	Unit has made arrangement for protection of possible fire hazards during manufacturing process in material handling. The firefighting system is as per different Indian Standards :- 1. List of equipment for fire fighting 2. Manpower for firefighting 3. SOP 4. Fire MAP 5) Onsite Emerangency plan. The Fire Details, MAP and Onsite Emerangency plan is attached. Complied Attachment: Click to View
23	Human Health Environment	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	PPs Submission	We do Occupational Health surveillance of workers working in hazardous & non hazardous area. The medical checkup is done by appointed full time doctor in occupational health center and records are maintained and submitted to DISH Regularly. The Body checkups is done for Physical Examination, Hemoglobin, CBC, ESR, ECG, Complete Urine Examination, Lever Function, Kidney Function, Creatine, Blood Sugar, X Ray for Chest, sonography, BCA etc, The sample copy of medical checkup is enclosed and Form 32 has been maintained at Occupational Health Centre. Complied Attachment: Click to View
24	GREENBELT	"10 m wide Green belt of perennial trees like neem, seasam, teak etc should be developed inside along the plant periphery to mitigate the effects of fugitive emissions all around the plant as per	PPs Submission	We have developed 10 m wide green belt all along the boundary within factory area with native species. The more green belt area details are given in attachement. Complied Attachment: Click to View

		the CPCB guidelines in consultation with DFO."		
25	Corporate Environmental Responsibility	At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program shall be ensured accordingly in a time bound manner within 5 years.	PPs Submission	Public Hearing is exempted & we have already initiated different work in community. The Details of Work Completed and Planned is attached. Complied Attachment: Click to View

General Conditions

Sr.No.	Condition Heading	Condition Details	Status of Compliance,Remarks/Reason and Supporting Documents	
1	Statutory compliance	The project authorities must strictly adhere to stipulations made by SPCB, State Government and other statutory authority	PPs Submission	The Consent to Establish and Consent to Operate has been obtained from GPCB for Implementation and Operations of Project. The Conditions of Granted CC&A have been complied by Unit. Complied Attachment: NA

2	MISCELLANEOUS	No further expansion or modification in plant to be carried out without prior approval of MoEF&CC. In case of deviations or alterations in project proposal from those submitted to this Ministry, fresh reference to be made to assess adequacy of conditions imposed and add additional environmental protection measures required, if any	PPs Submission	We have not done Expansion/Modifica without approval of MoEF/GPCB. Complied Attachment: NA
3	AIR QUALITY MONITORING AND PRESERVATION	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 is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	PPs Submission	We have installed three AAQ monitoring stations as per SPCB guidelines for monitoring of PM10, PM2.5, SO2, NOX and other NAAQS. Adequate scrubber system is provided in all stacks to meet the stipulation given by State Pollution Control Board (GPCB). We submit AAQ & stack monitoring data to the Ministry every six month and to State Pollution Control Board (GPCB) every month. The location map and the summery of AAQM monitoring report is attached. Complied Attachment: Click to View

4	AIR QUALITY MONITORING AND PRESERVATION	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.	PPs Submission	We Monitor All National Ambient air Quality Standards for All Locations within Plant Premises. The Analysis Ranges with NABL Lab reports are enclosed. All Values within limits. Complied Attachment: Click to View
			PPs Submission	We Monitor All National Ambient air Quality Standards for All Locations within Plant Premises. The Analysis Ranges with NABL Lab reports are enclosed. All Values within limits. Complied Attachment: Click to View
5	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 Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	PPs Submission	We have implemented enclosures, hoods and silencers at different areas in plant. The Noise Monitoring is done by NABL Approved Laboratory. All Values are within permissible limit. The Noise monitoring ranges are Enclosed. Complied Attachment: Click to View

6	WATER QUALITY MONITORING AND PRESERVATION	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.	PPs Submission	We have implemented Rain Water harvesting system and The Rainwater is being pumped and taken back to guard pond of ETP for further treatment and treated rain water is used in process/utility within plant area. We have not implemented Rain Water Recharge to ground water. Total Harvested Quantity for FY 2022-23 is 12192 M3. Complied Attachment: Click to View
7	Human Health Environment	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.	PPs Submission	We have conducted different safety trainings to different level of Employees. The Contractual Workers are also given training for safety and health aspects. The training details records is enclosed. Complied Attachment: Click to View
8	Risk Mitigation and Disaster Management	The company shall comply with all environmental protection measures and safeguards proposed in documents submitted to MoEF. All recommendations	PPs Submission	We are Complying all Environmental measures and safeguards given in EIA/EMP Report. The Detailed Compliance to EIA/EMP Outlined is enclosed herewith. Complied Attachment: Click to View

		made in EIA / EMP in respect of environment management, risk mitigation measures and public hearing, shall be implemented		
9	Corporate Environmental Responsibility	The company shall undertake all measures for improving socio-economic conditions of surrounding area. CSR Activities to be undertaken by involving local villagers, administration and other stake holders. Also, eco-developmental measures to be undertaken for overall improvement of the environment	PPs Submission	We have already started CSR/CER Activities in study area as per socio economic conditions. The eco development measures are covered in selection of activities. The details of CSR / CER are attached. Complied Attachment: Click to View
10	MISCELLANEOUS	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	PPs Submission	We have separate environment cell with Laboratory for ETP Operation, environmental monitoring of AAQM, Effluent, Stacks, Noise, Work place, RWH, Etc. The Details of Environment Management Cell is enclosed. Complied Attachment: Click to View

11	Corporate Environmental Responsibility	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement conditions stipulated by MoEF as well as state government along with implementation schedule for all conditions stipulated herein. Funds so earmarked for environment management / pollution control measures shall not be diverted for any other purpose	PPs Submission	We have earmarked separate funds for Implementation of conditions stipulated by Ministry. No diversion of funds is done. The details of Environmental Expenditures After Grant of EC have been Tabulated in attachment. Complied Attachment: Click to View
12	MISCELLANEOUS	A Copy of clearance letter to be sent by PP to concerned Panchayat, Zila Parishad, Municipal Corporation, Urban local body and local NGO if any, from whom suggestions / representations, if any, were received while processing the proposal	PPs Submission	EC copy has been shared with concerned Panchayat, Zila Parishad, Municipal Corporation, Urban local body and local NGO. The copy of acknowledged letter is attached. Complied Attachment: Click to View
			PPs Submission	EC copy has been shared with concerned Panchayat, Zila Parishad, Municipal Corporation, Urban local body and local NGO. The copy of acknowledged letter is attached. Complied Attachment: Click to View

13	Statutory compliance	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.	PPs Submission	Unit submits six monthly reports on status of compliance of stipulated EC conditions including results of monitored data to IRO of MoEF&CC, Zonal Office of CPCB and GPCB and six-monthly compliance status report will be posted on web site. The Link is given below for Last Report. https://www.upl-ltd.com/downloads/health-and-safety/env-policy/unit-5/U_05_EC_Half_Yearly_Compliance_Report_For_OCT_22_TO_MAR_23.pdf Complied Attachment: NA
14	Statutory compliance	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	PPs Submission	We submit Annual Report (Form V) to GPCB every year. The latest Annual Report submitted to GPCB is attached herewith which is submission to MoEF&CC. Complied Attachment: Click to View

		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.		
15	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 at http://moef.nic.in.</p> <p>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</p>	PPs Submission	<p>We have published News Paper Advertisement in English and gujarati Language within 3 days of grant of EC. The copy of News paper advertisement is submitted to ROMoEF & GPCB. Details are attached.</p> <p>Complied</p> <p>Attachment: Click to View</p>

		concerned and a copy of the same shall be forwarded to the concerned Regional office of the Ministry.	
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Document Upload

Last Site Visit Report (if available)	NA	Last Site Visit Report Date (if available)		Additional Attachment (if any)	NA
Additional Remarks (if any)					
<input checked="" type="checkbox"/> I ' <u>M/s UPL Limited</u> ' hereby give undertaking that the data and information given in the filed compliance and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the clearance given to the project will be revoked at our risk and cost. In addition to above, I hereby give undertaking that no activity such as change in project layout, construction, expansion, etc. has been taken up without due approval.					

Cover Letter From IRO

Cover Letter From IRO	NA
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Your application has been Submitted with following details

Proposal No	IA/GJ/IND3/268348/2022
Compliance ID	20343983
Compliance Number(For Tracking)	EC/M/COMPLIANCE/20343983/2023
Reporting Year	2023
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	09-11-2023
IRO Name	Shrawan Kumar Verma
IRO Email	kr099.ifs@nic.in
State	GUJARAT
IRO Office Address	Budgam

Note:- SMS and E-Mail has been sent to Shrawan Kumar Verma, GUJARAT with Notification to Project Proponent.

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View Compliance Report at Project Proponent

Proposal Details

Proposal No	IA/GJ/IND2/27263/2015	Category	Industrial Projects - 3		
Proposal Name	Expansion of agro and other organic chemical manufacturing Unit by M/S UPL Ltd.(Unit-V) at plot No.-746 & 750, Jhagadia Industrial Estate, Taluka- Jhagadia, District- Bharuch (Gujrat)				
Plot / Survey/ Khasra No.		Village(s)		Sub-District(s)	
State	GUJARAT	District	BHARUCH		
MoEF File No	J-11011/80/2015-IA-II(I)	Name of the Entity/ Corporate Office	M/s UPL Limited	Entity's PAN	NA
Entity Name as per PAN	NA	Entity details mentioned above is correct ?	Agree		

Covering Letter	
Covering Letter	Click to View

Compliance Reporting Details			
Reporting Year	2023	Reporting Period	01 Dec(01 Apr - 30 Sep)
Remark(if any)	We are submitting herewith EC Half Yearly Compliance Report for the period of April-2023 to September-2023.		

Details of Production and Project Area	
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Date of Commencement of Project/Activity	09-11-2023	
	Project Area as per EC Granted(ha.)	Actual Project Area in Possession(ha.)
Private	0	0
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	0	0

PRODUCTION CAPACITY							
Sr.No.	Name of the Product	Units	As per EC Granted	As per CTO Granted	CTO ID	Valid Up To	Production during last financial year
1	Pesticide Formulations	Tons per Annum (TPA)	215400				29666.645
2	Speciality Chemicals	Tons per Annum (TPA)	226416				86832.09
3	Others Products	Tons per Annum (TPA)	5000				2590.915
4	Pesticide Intermediates	Tons per Annum (TPA)	95000				19978.75
5	Caustic Chlorine Plant	Tons per Annum (TPA)	393024				91324.556
6	Pesticide Technical	Tons per Annum (TPA)	271800				86563.74

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details	Status of Compliance,Remarks/Reason and Supporting Documents	
1	Statutory compliance	The project proponent shall take stringent mitigating measures to	PPs Submission	Unit has taken stringent mitigation measures to control Particulate Matter emissions. We have conducted AAQM monitoring for PM

		minimize incremental concentration of air pollutants namely PM10 and PM 2.5 to the extent possible due to proposed industrial operations		2.5 and PM10 and all results are well within limit. The detail report is attached Complied Attachment: Click to View
2	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall develop local air quality management plan in consultation with SPCB and implement to achieve desired standards.	PPs Submission	We have developed local air quality management plan in consultation with GPCB. ?The GPCB has granted CC&A with Parameters for Ambient Air Quality PM10, PM2.5, SO2 and NOx. The ranges of Monitoring Reports are Given in attachment. ?The GPCB has suggested three Ambient Air Quality Monitoring Stations within premises which have been implemented and Monitoring of AAQM has been Started. ?We have provided Sampling Ports / Ladders / Power Supply Connections to Every Process and Flue Gas Stacks. ?We have Installed ESPs at Flue Gas Stacks of Power Plant for Control of Particulate Matter. The ESP Performance Report are Given in attachment. ?The OCEMS have been installed as per GPCB/CPCB Guidelines and Data have been transmitted to GPCB/CPCB Server. The Screen short of OCEMS Data transmission to CPCB/GPCB is attached. Complied Attachment: Click to View
3	Statutory compliance	The Incremental ground level concentrations for PM10, PM2.5, SO2 and NOX due to increased vehicular and other allied / developmental activities, shall be analyzed and reported for actual impact of the	PPs Submission	We have Conducted Incremental GLC Studies from MoEF Approved NABL Accredited Laboratory. The Copy of Report is Enclosed. Complied Attachment: Click to View

		project, besides remedial measures.		
4	AIR QUALITY MONITORING AND PRESERVATION	National Emission Standards for Pesticide Manufacturing and Formulation Industry issued by the Ministry vide G.S.R. 46(E) dated 3rd February, 2006 and amended time to time shall be followed by the unit.	PPs Submission	The Compliance to National Emission Standards for Pesticide Manufacturing Industry is attached. Complied Attachment: Click to View
5	AIR QUALITY MONITORING AND PRESERVATION	Natural Gas / Imported Coal with less than 5% Sulphur content / Biomass / Briquettes shall be used as fuel source for one no. New boiler of 150 TPH. Two stage water scrubbers with 30 meters stack height to be provided for control of process emissions of Ammonia, HCL and SO2 emissions separately.	PPs Submission	We use Imported Coal with less than 5% Sulphur Content for Power Plant. The Coal Analysis Ranges of Analysis Reports is Attached. Complied Attachment: Click to View

6	AIR QUALITY MONITORING AND PRESERVATION	Two stage water scrubber followed by alkali scrubber to be provided to process vent to control process emissions like HCL, SO2, Cl2, Nox, HBr. Acidic scrubber to be provided to process vent to control process emissions of NH3 and HC. Scrubbed water to be sent to ETP For further treatment. Efficiency of scrubber to be monitored regularly and maintained properly. Scrubbers vent to be provided with online detection and alarm system to indicate higher than permissible value of controlled parameters. At no time, emission levels to go beyond prescribed standards. System to be interlocked with pollution control equipment so that in case of any increase in pollutants beyond permissible, plant should be automatically stopped.	PPs Submission	We have Provided Three Stage / Two Stage Scrubbers at different process emission sources on basis of application. the more details is attached. Complied Attachment: Click to View
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7	AIR QUALITY MONITORING AND PRESERVATION	In plant control measures for checking fugitive emissions from all vulnerable sources to be provided. Fugitive emissions to be controlled by providing closed storage, closed handling and conveyance of chemicals / materials, multi cyclone separate and water sprinkling system. Dust suppression system including water sprinkling system to be provided at loading and unloading areas to control dust emissions. Fugitive emissions in work zone environment, product, raw materials storage area etc to be regularly monitored and records maintained.	PPs Submission	Fugitive emissions is controlled by providing closed storage, closed handling and conveyance of chemicals through pumping system. the more details is attached. Complied Attachment: Click to View
8	AIR QUALITY MONITORING AND PRESERVATION	"For further control of fugitive emissions, following steps to be followed; ?Closed handling system to be provided for chemicals ? Reflux condenser to be provided over reactor ? System of LDAR of pump	PPs Submission	We have provided following measures. 1) Closed handling system for chemicals and liquid materials. 2) Reflux Condenser and chilled brine recovery system. 3) Implemented LDAR for Pump / Pipelines 4) Transfer of Acids through closed pipelines from Storage Tank to Reactors. 5) Storage tanks are connected through Water / Alkali Colum The photographs showing implemented measures are given in attachment.

		<p>/ pipeline based on preventive maintenance ?</p> <p>Acids to be taken from storage tanks to reactors through closed pipeline.</p> <p>Storage tanks to be vented through trap receiver and condenser operated on chilled water</p> <p>?Cathodic protection to be provided with underground solvent storage tank"</p>		<p>Complied</p> <p>Attachment: Click to View</p>
9	Risk Mitigation and Disaster Management	<p>A proper Leak Detection and Repair (LOAR) Program for pesticide unit shall be prepared and implemented as per CPCB guidelines. Focus shall be given for prevention of fugitive emissions for which preventive maintenance of pumps, valves, pipelines are required. Proper maintenance of mechanical seals of pumps and valves shall be given. A preventive maintenance schedule for each unit shall be prepared and adhered to.</p>	PPs Submission	<p>We have implemented LDAR program in compliance to CPCB Guidelines with focus on fugitive emission control. The LDAR Program Details are Attached</p> <p>Complied</p> <p>Attachment: Click to View</p>

10	MISCELLANEOUS	Company shall take all the measures in order to protect the machineries and equipments for pesticide producing unit from ageing.	PPs Submission	We have implemented SAP Based Maintenance schedule for all equipment?s. The Screenshot of SAP Based Maintenance program is attached. Complied Attachment: Click to View
11	AIR QUALITY MONITORING AND PRESERVATION	Continuous monitoring system for chlorine, HCl as well as VOCs shall be installed at all important places/areas. Effective measures shall be taken immediately, when monitoring results indicate above the permissible limits. Alarm for chlorine leakage if any in the liquid chlorine storage area is provided along with automatic start of the scrubbing system.	PPs Submission	We have installed Continuous Online Emission Monitoring system for Cl2 and HCl with Indication to Central Control Room and Data have been transmitted to CPCB/GPCB. the more details is attached. Complied Attachment: Click to View
12	AIR QUALITY MONITORING AND PRESERVATION	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.	PPs Submission	The DG Sets are Used in Case of Emergency and we have provided 45 M Stack height for 2080 KVA & 1500 KVA DG Sets, 35 M Stack Height provided to 1010 KVA DG Set, and 17 M Stack Height is provided to 1250 KVA DG Set. For Other Small Size DG Sets, sufficient stack height for DG Sets for dispersion of all pollutants. The Unit has installed Acoustic Enclosures as per CPCB Standards at DG Sets.

			Complied Attachment: NA
13	Statutory compliance	"Solvent management to be carried out as follows; ?Chilled brine circulation system to be provided to condensate solvent vapours and reduce solvent losses, ensuring that solvent recovery should not be less than 95 % ?Reactor and solvent handling pump to have mechanical seals to prevent leakages ? Condensers to be provided with sufficient HTA and residence time so as to achieve more than 95 % recovery ? Solvent to be stored in separate space specified with all safety measures ? Proper earthing to be provided in all electrical equipment wherever solvent handling is done ?Entire plant to be flameproof. Solvent storage tanks should be provided with breather valve to prevent losses"	PPs Submission Suitable Sized Chiller Brine Circulation Systems have been Installed for Solvent recovery. The Solvent recovery is more than 95%.the more details is attached. Complied Attachment: Click to View

14	WATER QUALITY MONITORING AND PRESERVATION	Fresh water demand after proposed expansion should be limited from 17,000 KLD to 10,000 KLD and prior permission to be obtained from competent authority.	PPs Submission	The Fresh water requirement is 11883 KLD which is supplied by GIDC Only and the authorization for Fresh water consumption has been obtained from GPCB vide latter No AWH-126345 dated 10.08.2023 Valid upto 19.11.2024. The Month wise fresh water consumption is enclosed Complied Attachment: Click to View
15	WASTE MANAGEMENT	"The effluent shall be segregated into cyanide stream and High TDS/COD effluent streams. Cyanide effluent stream will be treated with sodium hypochlorite in alkaline medium. High TDS/COD effluent stream will be rassed through steam stripper followed by concentrated in MEE. MEE condensate will be treated in the ETP. Treated effluent from ETP will be passed through RO. RO permeate will be recycled/reused within plant premises. Domestic sewage should be treated in STP. Water quality of treated effluent should meet the norms	PPs Submission	We have implemented following Stream Segregation Measures are attached. Complied Attachment: Click to View

		prescribed by CPCB/SPCB."		
16	WASTE MANAGEMENT	The industry will reduce the effluent quantity from 4,768 KL/Day to 3,000 KL/Day by adopting recycle/reuse. Treated effluent will be discharged to Conveyance System of Narmada Clean Tech and disposed to deep sea.	PPs Submission	<p>All effluent streams are being treated in ETP. Biodegradable Effluent treatment plant consists of primary, Secondary, and tertiary treatment; and all parameters are well within limit. We are using C-Tech's SBR technology for effluent treatment & installed new ETP with MBBR Technology. We have proper segregation system for inorganic effluent, organic Biodegradable's effluent, high TDS effluent and toxic effluent. The Details of ETP is Enclosed and summarized third party (BEIL, Ankleshwar) monitoring data is attached.</p> <p>Complied</p> <p>Attachment: Click to View</p>
17	WASTE MANAGEMENT	Process effluent / any wastewater shall not be allowed to mix with storm water. SWD to be passed through guard pond.	PPs Submission	<p>We have provided separate drainage system for storm water collection and disposal. We ensure there is no mixture of process effluent/any wastewater with storm water. The storm water drains are facilitated with Online pH Meter, Reverse Pumping and CCTV Camera. The CCTV Footage is attached. We have implemented Rain Water harvesting system and The First Rainwater is being pumped and taken back to guard pond of ETP for further treatment and treated rain water is used in process/utility within plant area.</p> <p>Complied</p> <p>Attachment: Click to View</p>
18	Risk Mitigation and Disaster Management	Hazardous chemicals shall be stored in tanks in tank farms, drums, carboys etc. Flame arresters shall be	PPs Submission	<p>Hazardous chemicals are stored in tanks in tank farm, drums, carboys etc. as per MSIHC Rules & Flame arresters are provided on every tank farm. The Detailed Storage Compliance for Hazardous Chemicals is enclosed herewith.</p>

		provided on tank farm. Solvent transfer shall be by pumps.		Complied Attachment: Click to View
19	WASTE MANAGEMENT	The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous & Other Wastes (Management & Trans-Boundary Movement) Rules 2016 and amended as on date for management of Hazardous wastes and prior permission from GPCB shall be obtained for disposal of solid / hazardous waste in the TSDF. Measures shall be taken for fire fighting facilities in case of emergency. Membership of TSDF for hazardous waste disposal shall be obtained.	PPs Submission	The authorization for disposal of Hazardus Waste has been obtained from GPCB vide latter No AWH-126345 dated 10.08.2023 Valid upto 19.11.2024. We send waste for Co Processing, TSDF for Incineration and Land Filling and send used oil to recyclers. Hazardus Waste Disposal Statements is attached and The Unit has prepared On Site Emergency Plan. The Copy of Onsite Emergency plan is attached. Complied Attachment: Click to View

20	WASTE MANAGEMENT	ETP sludge, inorganic waste to be sent to TSDF. High CV waste such as spent organic to be sent to cement factory / incinerated.	PPs Submission	ETP sludge, inorganic waste is sent to TSDF. High CV waste such as spent organic is sent to incineration and Co Processing to Cement Plants. The copy of MoUs made with cement plant is attachment. Complied Attachment: Click to View
21	WASTE MANAGEMENT	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 11989 as amended in October, 1994 and January, 2000. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	PPs Submission	The Compliance to MSIHC Rules 1989 and its amendments has been adhered by providing following facilities. 1) Fire Fighting Network as per Standards 2) PPE to All Workers 3) First Aid Measures 4) Occupational Health Centre and Availability of Doctor round the clock with nurse. 5) Ambulance and Fire Hydrant in Place 6) Risk Assessment and Hazop Studies 7) On Site / Off site emergency Plan in Place & attached herewith 8) Periodic Mock Drills 9) Training and Awareness 10) Annual / Half Yearly Health Check Ups 11) Annual Safety Audits by Third Party and Submission of Compliance to Audit to DISH Office. The authorization for disposal of Hazardus Waste has been obtained from GPCB vide latter No AWH-126345 dated 10.08.2023 Valid upto 19.11.2024. Complied Attachment: Click to View

22	Risk Mitigation and Disaster Management	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	Unit has made arrangement for protection of possible fire hazards during manufacturing process in material handling. The firefighting system is as per different Indian Standards :- 1. List of equipment for fire fighting 2. Manpower for firefighting 3. SOP 4. Fire MAP 5) Onsite Emerangency plan. The Fire Details, MAP and Onsite Emerangency plan is attached. Complied Attachment: Click to View
23	Human Health Environment	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	PPs Submission	We do Occupational Health surveillance of workers working in hazardous & non hazardous area. The medical checkup is done by appointed full time doctor in occupational health center and records are maintained and submitted to DISH Regularly. The Body checkups is done for Physical Examination, Hemoglobin, CBC, ESR, ECG, Complete Urine Examination, Lever Function, Kidney Function, Creatine, Blood Sugar, X Ray for Chest, sonography, BCA etc, The sample copy of medical checkup is enclosed and Form 32 has been maintained at Occupational Health Centre. Complied Attachment: Click to View
24	GREENBELT	"10 m wide Green belt of perennial trees like neem, seasam, teak etc should be developed inside along the plant periphery to mitigate the effects of fugitive emissions all around the plant as per	PPs Submission	We have developed 10 m wide green belt all along the boundary within factory area with native species. The more green belt area details are given in attachement. Complied Attachment: Click to View

		the CPCB guidelines in consultation with DFO."		
25	Corporate Environmental Responsibility	At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program shall be ensured accordingly in a time bound manner within 5 years.	PPs Submission	Public Hearing is exempted & we have already initiated different work in community. The Details of Work Completed and Planned is attached. Complied Attachment: Click to View

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1	Statutory compliance	The project authorities must strictly adhere to stipulations made by SPCB, State Government and other statutory authority	PPs Submission	The Consent to Establish and Consent to Operate has been obtained from GPCB for Implementation and Operations of Project. The Conditions of Granted CC&A have been complied by Unit. Complied Attachment: NA

2	MISCELLANEOUS	No further expansion or modification in plant to be carried out without prior approval of MoEF&CC. In case of deviations or alterations in project proposal from those submitted to this Ministry, fresh reference to be made to assess adequacy of conditions imposed and add additional environmental protection measures required, if any	PPs Submission	We have not done Expansion/Modifica without approval of MoEF/GPCB. Complied Attachment: NA
3	AIR QUALITY MONITORING AND PRESERVATION	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 is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	PPs Submission	We have installed three AAQ monitoring stations as per SPCB guidelines for monitoring of PM10, PM2.5, SO2, NOX and other NAAQS. Adequate scrubber system is provided in all stacks to meet the stipulation given by State Pollution Control Board (GPCB). We submit AAQ & stack monitoring data to the Ministry every six month and to State Pollution Control Board (GPCB) every month. The location map and the summery of AAQM monitoring report is attached. Complied Attachment: Click to View

4	AIR QUALITY MONITORING AND PRESERVATION	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.	PPs Submission	We Monitor All National Ambient air Quality Standards for All Locations within Plant Premises. The Analysis Ranges with NABL Lab reports are enclosed. All Values within limits. Complied Attachment: Click to View
			PPs Submission	We Monitor All National Ambient air Quality Standards for All Locations within Plant Premises. The Analysis Ranges with NABL Lab reports are enclosed. All Values within limits. Complied Attachment: Click to View
5	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 Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	PPs Submission	We have implemented enclosures, hoods and silencers at different areas in plant. The Noise Monitoring is done by NABL Approved Laboratory. All Values are within permissible limit. The Noise monitoring ranges are Enclosed. Complied Attachment: Click to View

6	WATER QUALITY MONITORING AND PRESERVATION	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.	PPs Submission	We have implemented Rain Water harvesting system and The Rainwater is being pumped and taken back to guard pond of ETP for further treatment and treated rain water is used in process/utility within plant area. We have not implemented Rain Water Recharge to ground water. Total Harvested Quantity for FY 2022-23 is 12192 M3. Complied Attachment: Click to View
7	Human Health Environment	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.	PPs Submission	We have conducted different safety trainings to different level of Employees. The Contractual Workers are also given training for safety and health aspects. The training details records is enclosed. Complied Attachment: Click to View
8	Risk Mitigation and Disaster Management	The company shall comply with all environmental protection measures and safeguards proposed in documents submitted to MoEF. All recommendations	PPs Submission	We are Complying all Environmental measures and safeguards given in EIA/EMP Report. The Detailed Compliance to EIA/EMP Outlined is enclosed herewith. Complied Attachment: Click to View

		made in EIA / EMP in respect of environment management, risk mitigation measures and public hearing, shall be implemented		
9	Corporate Environmental Responsibility	The company shall undertake all measures for improving socio-economic conditions of surrounding area. CSR Activities to be undertaken by involving local villagers, administration and other stake holders. Also, eco-developmental measures to be undertaken for overall improvement of the environment	PPs Submission	We have already started CSR/CER Activities in study area as per socio economic conditions. The eco development measures are covered in selection of activities. The details of CSR / CER are attached. Complied Attachment: Click to View
10	MISCELLANEOUS	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	PPs Submission	We have separate environment cell with Laboratory for ETP Operation, environmental monitoring of AAQM, Effluent, Stacks, Noise, Work place, RWH, Etc. The Details of Environment Management Cell is enclosed. Complied Attachment: Click to View

11	Corporate Environmental Responsibility	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement conditions stipulated by MoEF as well as state government along with implementation schedule for all conditions stipulated herein. Funds so earmarked for environment management / pollution control measures shall not be diverted for any other purpose	PPs Submission	We have earmarked separate funds for Implementation of conditions stipulated by Ministry. No diversion of funds is done. The details of Environmental Expenditures After Grant of EC have been Tabulated in attachment. Complied Attachment: Click to View
12	MISCELLANEOUS	A Copy of clearance letter to be sent by PP to concerned Panchayat, Zila Parishad, Municipal Corporation, Urban local body and local NGO if any, from whom suggestions / representations, if any, were received while processing the proposal	PPs Submission	EC copy has been shared with concerned Panchayat, Zila Parishad, Municipal Corporation, Urban local body and local NGO. The copy of acknowledged letter is attached. Complied Attachment: Click to View
			PPs Submission	EC copy has been shared with concerned Panchayat, Zila Parishad, Municipal Corporation, Urban local body and local NGO. The copy of acknowledged letter is attached. Complied Attachment: Click to View

13	Statutory compliance	<p>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.</p>	<div>PPs Submission</div> <div> Unit submits six monthly reports on status of compliance of stipulated EC conditions including results of monitored data to IRO of MoEF&CC, Zonal Office of CPCB and GPCB and six-monthly compliance status report will be posted on web site. The Link is given below for Last Report. https://www.upl-ltd.com/downloads/health-and-safety/env-policy/unit-5/U_05_EC_Half_Yearly_Compliance_Report_For_OCT_22_TO_MAR_23.pdf Complied Attachment: NA </div>
14	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</p>	<div>PPs Submission</div> <div> We submit Annual Report (Form V) to GPCB every year. The latest Annual Report submitted to GPCB is attached herewith which is submission to MoEF&CC. Complied Attachment: Click to View </div>

		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.		
15	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 at http://moef.nic.in.</p> <p>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</p>	PPs Submission	<p>We have published News Paper Advertisement in English and gujarati Language within 3 days of grant of EC. The copy of News paper advertisement is submitted to ROMoEF & GPCB. Details are attached.</p> <p>Complied</p> <p>Attachment: Click to View</p>

		concerned and a copy of the same shall be forwarded to the concerned Regional office of the Ministry.	
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Last Site Visit Report (if available)	NA	Last Site Visit Report Date (if available)		Additional Attachment (if any)	NA
Additional Remarks (if any)					
<input checked="" type="checkbox"/> I ' <u>M/s UPL Limited</u> ' hereby give undertaking that the data and information given in the filed compliance and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the clearance given to the project will be revoked at our risk and cost. In addition to above, I hereby give undertaking that no activity such as change in project layout, construction, expansion, etc. has been taken up without due approval.					

Cover Letter From IRO

Cover Letter From IRO	NA
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