## APPLIED CHEMICALS PRIVATE LIMITED

RegisteredAddress:

3-4 Commercial Complex
Second Floor, Room No. 2
Rani Bazaar Industrial Area
Bikaner, Rajasthan 334001
CIN: U24299RJ2022PTC079320
E-mail: info@appliedchemicals.in

Date: 10/06/2024

Reference: ACPL/ENV/2024-25/001

To,

Deputy Director General, Forest (Central) Regional Office- Gandhinagar, A Wing- 407 & 409, Aryan Bhawan, Near CH-3 Circle, Sector-10A, Gandhinagar- 382010

Subject: Submission of Half yearly EC compliance report for period Oct-23 to March-24for proposed pesticide intermediate, pesticide technicals & specialty chemicals - 840.0 mt/month manufacturing plant at Survey No. 1091, Dahej Industrial Estate (PCPIR), Dahej-2, Vill. Vadadla, Ta: Vagra, Dist: Bharuch – 392 130, Gujarat of M/s. Applied Chemicals Pvt. Ltd.

Ref.: EC letter No. IA/GJ/IND3/432920/2023 dated: Sep 05th, 2023.

Respected Sir,

With reference to the above subject, we are herewith submitting the half yearly EC compliance report (Monitoring period Oct-23 to March-24) as per condition(1.8) of the standard EC conditions as mentioned under Annex. 1 in environmental clearance letter no. IA/GJ/IND3/432920/2023 dated: Sep 05th, 2023for proposed pesticide intermediate, pesticide technicals& specialty chemicals - 840.0 mt/month manufacturing plant at Survey No. 1091, Dahej Industrial Estate (PCPIR), Dahej-2, Vill. Vadadla, Ta: Vagra, Dist: Bharuch – 392 130, Gujarat of M/s. Applied Chemicals Pvt. Ltd. The compliance report is supported with annexures for required details.

Thank you,

Yours Faithfully,

For Applied Chemicals Pvt. Ltd.

FOR APPLIED CHEMICALS PRIVATE LIMITED

Authorized Signatory

**Authorized Signatory** 

**COPY TO** 

1) Email to CPCB Vadodara

2) Email to SEIAA Gujarat

 The Member Secretary, GPCB Paryavaran Bhavan, Sector-10/A Gandhinagar-382043. 4) Uploaded in Parivesh, MoEF& CC.

Survey No. 1091 (Old Survey No. 282/1), Dahej-2, PCPIR Region, Village-Vadadla, Taluka-Vagra, District-Bharuch, Pin code-392130, Gujarat, India.

Sr. No.	EC Conditions	Compliance Status
1	The PP shall develop Greenbelt over an area of 10321.0 m2 (33%), by planting 3225 number of trees within a period of one year of grant of EC. The saplings selected for the plantation should be of sufficient height, preferably 6-ft (about 2 m). The budget earmarked for the plantation shall be kept in separate account and should be audited annually. PP should annually submit the audited statement along with proof of activities viz. photographs (before & after with geo-location date & time), details of the expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.	Not Started.  Development permissionawaited from PCPIR dept. Government of Gujarat, Gandhinagar.
2	A separate Environmental Management Cell (having qualified persons with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the General Manager- ESH Manager- Safety Manager-safety Executive- Firemen- Environment Manager-Env Executive- ETP operator. In addition to this one safety & health officer as per the qualification given in Factories Act 1948 shall be engaged within a month of grant of EC. PP should annually submit the audited statement of amount spent towards the engagement of qualified persons in EMC along with details of person engaged to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.	

# M/s. Applied Chemicals Pvt. Ltd. Survey No. 1091 (Old Survey No. 282/1), Dahej-2, PCPIR Region, Village-Vadadla, Taluka-Vagra, District-Bharuch, Pin code-392130, Gujarat, India. Half yearly compliance report for period Oct-23 to March-24against the

EC letter No. IA/GJ/IND3/432920/2023 dated: Sep 05th, 2023.

Sr. No.	EC Conditions	Compliance Status
3	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented. The budget propose under EMP is 9.535 Crore (Capital cost) and 6.303 Crore per annum (Recurring cost) shall be kept in separate account and should be audited annually. The PP should submit the annual audited statement along with proof of implementation of activities proposed under EMP duly supported by photographs (before & after with geo-location date & time) and other document as applicable to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.	Not started.  Development permission awaited from PCPIR dept. Government of Gujarat, Gandhinagar.
4	Agrobriquette shall be used as the primary fuel for boiler and thermopack, during it's unavailability coal shall be used in case of emergency. The PP shall use alternative greener fuel over the next five years after commissioning of the projects.	Not complied.  Shall be complied upon start-up of plant and during operation.
5	The total water requirement shall not exceed 361 KL/Day of which fresh water requirement of 344 KL/Day and will be met from GIDC Water Supply letter no. GIDC/DEE/WS/BRH/308 Dated: 15/03/2023. The PP should ensure that water supply should not be above the permissible limit as mentioned in the letter and fresh water shall be withdrawn only after obtaining valid agreement from Concerned Authority. The PP should submit the details of utilization to the Integrated Regional Office (IRO), MoEF&CC before 1st July of every year for the activities carried out during the previous year.	Not complied. Shall be complied upon start-up of plant and during operation.

Survey No. 1091 (Old Survey No. 282/1), Dahej-2, PCPIR Region, Village-Vadadla, Taluka-Vagra, District-Bharuch, Pin code-392130, Gujarat, India.

Sr. No.	EC Conditions	Compliance Status
6	Effluent shall be treated in ETP having primary	Not complied.
1.70	followed by Fenton Treatment, RO, MEE & Bio	Shall be complied upon start-up of
	reactor. The wastewater generation shall be 226	plant and during operation.
	KLD (Domestic: 4 KLD, Industrial: 222 KLD).	- Parameter
	Wastewater generated shall be segregated into	
	concentrated and Dilute streams. Concentrated	
	stream shall be treated in Primary followed by	
	Multiple Effect Evaporator (MEE) and Dilute	
	stream will be treated in Primary followed by	
P	Fenton treatment & finally at Bio reactor. The	
	utility stream shall be treated in RO system. RO	
	permeate shall be reused for in industrial	
	purpose. RO Reject shall be sent to ETP. Total 212	
	KLD Waste Water (99 KLD MEE Condensate + 14	
	KLD ATFD Condensate + 99 KLD Diluted Waste	
	Water) will be treated in Bio Reactor System.	
	Clear supernatant from Bio Reactor shall be	
	collected in Storage Tank and sent to Common	
	Effluent Treatment Plant of Dahej Industrial	
	Estate for further treatment, Domestic waste	
	water 4 KLD will be treated in proposed STP of 4	
	KLD. The treated water from STP will be reused	
	for gardening and flushing.	
7	No banned chemicals shall be manufactured by	Agreed and noted.
′	the project proponentNo banned raw materials	
	shall be used in the unit. The project proponent	
	shall adhere to the notifications/guidelines of the	
	Government in this regard.	
	The project proponent shall comply with the	Agreed and noted.
. 8	environment norms for Pesticide Industry as	
	notified by the Ministry of Environment, Forest	
	and Climate Change, vide GSR 446 (E), dated	
	13.6.2011 under the provisions of the	
	Environment (Protection) Rules, 1986.	
	The project proponent shall comply with the	Agreed and noted.
9	environment norms for synthetic organic	7.8. cea and notes.
	chemical as notified by the Ministry of	
	Chemical as nothied by the windsty of	
	con con (5) detail 21st list 2010 under the	
	USK DUB (E), dated 21st July, 2010 dilder the	
	Environment, Forest and Climate Change, vide GSR 608 (E), dated 21st July, 2010 under the provisions of the Environment (Protection) Rules, 1986.	

Survey No. 1091 (Old Survey No. 282/1), Dahej-2, PCPIR Region, Village-Vadadia, Taluka-Vagra, District-Bharuch, Pin code-392130, Gujarat, India.

Sr. No.	EC Conditions	Compliance Status
10	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.	Not complied. Shall be considered during project planning and complied upon receivingdevelopment permission as mentioned in point 01.
11	All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The project proponent shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, .Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.	Not complied. Onsite/Offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996 shall be considered, prepared and implemented during project planning and complied during project construction & plant operation.
12	The volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.	Not complied.  Shall be considered during project planning and complied upon receiving development permission as mentioned in point 01.
13	The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.	Agreed and noted. Quantity and days of storage shall be submitted once the plant operation commenced.
14	The occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.	Agreed and noted.  Shall be considered during project planning and complied during project construction & plant operation.
15	Training shall be imparted to all employees on safety and health aspects for handling chemicals. Safety and visual reality training shall be provided to employees. Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies.	Agreed and noted.  Shall be considered during project planning and complied during project construction & plant operation.

## M/s. Applied Chemicals Pvt. Ltd. Survey No. 1091 (Old Survey No. 282/1), Dahej-2, PCPIR Region, Village-Vadadla, Taluka-Vagra, District-Bharuch, Pin code-392130, Gujarat, India.

Sr. No.	EC Conditions	Compliance Status
16	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	Not complied. Fire fighting system as per the norms shall be designed during project planning and complied during project construction & plant operation.
17	The solvent management shall be carried out as follows: (a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (c) Solvents shall be stored in a separate space specified with all safety measures. (d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (e) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.	Agreed and noted.  Solvent management plan shall be considered during project planning and complied upon receiving development permission as per point 01.
18	The PP shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapor recovery system. (f) Use of high pressure-hoses for equipment cleaning to reduce wastewater generation	The waste minimization steps shall be considered during project planning and complied upon receiving development permission as per point 01.

Survey No. 1091 (Old Survey No. 282/1), Dahej-2, PCPIR Region, Village-Vadadla, Taluka-Vagra, District-Bharuch, Pin code-392130, Gujarat, India.

Sr. No.	EC Conditions EC Conditions	Compliance Status
1.1	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Agreed and noted.
1.2	The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 and other rules notified under various Acts.	Agreed and noted.  We shall comply and implement during the plant operation.
1.3	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Agreed and noted. Energy conservation measures shall be considered during project planning and complied during project construction & plant operation.
1.4	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Agreed and noted. The noise control measures shall be considered during project planning and complied during project construction & plant operation to kept the overall noise levels in and around the plant.
1.5	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities shall be undertaken by involving local villages and administration. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Agreed and noted.  Measures for improving the socio- economic conditions shall be considered during project planning and complied during project construction & plant operation.

Survey No. 1091 (Old Survey No. 282/1), Dahej-2, PCPIR Region, Village-Vadadia, Taluka-Vagra, District-Bharuch, Pin code-392130, Gujarat, India.

Sr. No.	EC Conditions	Compliance Status  Agreed and noted.  Agreed and implement
1.6	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.	We shall comply and during the plant operation.
1.7	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	Complied. PP has not received any suggestion/ representation from concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGOwhile processing the proposal.
1.8	The project proponent shall also upload/submit six monthly reports on Parivesh Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six-monthly compliance status report shall be posted on the website of the company.	Complied. We are herewith submitting the first six monthly compliance report of Parivesh portal.
1.9	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Integrated Regional Office of MoEF&CC by e-mail.	Agreed and noted. The mandatory annual returns in form of Environmental statement Form V shall be regularly submitted to State Pollution Control Board once the plant operation commenced.

Survey No. 1091 (Old Survey No. 282/1), Dahej-2, PCPIR Region, Village-Vadadla, Taluka-Vagra, District-Bharuch, Pin code-392130, Gujarat, India. Half yearly compliance report for period Oct-23 to March-24against the

EC letter No. IA/GJ/IND3/432920/2023 dated: Sep 05th, 2023.

Sr. No.	EC Conditions	
1.10	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied. The copy of newspaper advertisement is attached as ANNEXURE-01.
1.11	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.	Agreed and noted. Awaited for development permission from PCPIR dept. Government of Gujarat, Gandhinagar.
1.12	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Agreed and noted.

#### **ANNEXURE-01**

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ANNEDABAD | FRIDAY, 15 SEPTEMBER 2023 Business Standard

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M/s Applied Chemicals Pvt. Ltd.

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JIGISHA KETAN SHAH Advocate

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PUBLIC NOTICE

### મધ્ય ગેઢકાવ



સોયાબીનના પાકમાં જીવાત નિયંત્રણ અંગે માહિતી અપાઇ



પરિવાર નિંદ્રાધિન છતાં 2 તીજોરી તોડી તરકરોની 3.34લાખની ચોરી

ક્રોલીબોરિયાદમાં ખેતરમાં નમી ગયેલ વીજ વાયરથી ઘટના ઘટી ખેડૂતને લોંખડના હલક્ડામાંથી

ખેડૂતો પાસેથી અનાજ કરિયા<mark>ણું શાકભાજી</mark> લોકોને થળે ઠેવું આયોજન

છોટાઉદેપુરમાં કાયમી ધોરણે પ્રાકૃતિક વસ્તુનું વેચાણ કેન્દ્ર શરૂ



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કરનાર કેપોના અંદેર વહીવુટથી સાધલી પરાંકના મુસાફરોને હાલાકી કરજણ-રાજપીપળા વાયા સાધલીની બસ સેવાઓ 2 સમય ફરીથી શરૂ કરો