

Date: 22-06-2023

Ref.: CIL-INTER / EC-Comp /01 / 2023

To,
The Ministry of Environment, Forests & Climate Change
Scientist C, Integrated Regional Office,
Aranya Bhavan, Sector-10,
Gandhinagar – 382 010

Sub: Submission of Compliance Report of M/s. Cheminova India Limited (Intermediate Division) for our EC No. IA-J-11011/53/2018-IA-II (I), dated 31/12/2019 for the period of December 2022 to May 2023.

Respected Sir,

In accordance to the condition specified in our EC, we hereby submit duly filled datasheet for monthly Monitoring report (December 2022 to May 2023) for implementation of stipulated conditions of our EC together with point wise compliance status of various stipulations.

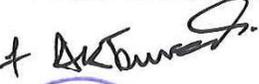
Following are the Annexure to this report:

| Annexure No. | Annexure Details |
|--------------|---|
| A | Monitoring report data sheet |
| 1. | Compliance report of EC |
| 2. | Compliance report of CC&A/CTO Amendment |
| 3. | Copy of existing EC and CC&A/CTO |
| 4. | Annual return- Form-4 (2022-2023) |
| 5. | Environmental statement- Form V (2021-2022) |

Please find the above in order and acknowledge receipt.

Thanking You,

Yours faithfully,
For M/s. Cheminova India Limited (Intermediate Division)



Authorized Signatory

SIX MONTHLY EC COMPLIANCE REPORT

(December 2022 to May 2023)

For



M/s. Cheminova India Limited
(Intermediate Division)

(Manufacturing of Pesticides & Pesticide specific Intermediates)

Plot No. (27+28)/A, Notified GIDC Industrial Estate, Panoli,
Dist. Bharuch 394 116, State-Gujarat, India.

Submitted to:

The Ministry of Environment, Forests & Climate Change
Regional Office, Scientist C, Integrated Regional Office,
Aranya Bhavan, Sector-10,
Gandhinagar – 382 010

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| ANNEXURE 2 - COMPLIANCE REPORT OF CC&A/CTO AND ITS AMENDMENT..... | 28 |

SIX MONTHLY EC COMPLIANCE REPORT

A –Six Monthly Monitoring Report - DATA SHEET

Monitoring the Implementation of Environmental Safeguards
Ministry of environment & Forests
Regional Office (W), Gandhinagar
Six Monthly Monitoring Reports
PART – 1
From: 01.12.2022 to 31.05.2023

| | | |
|--|--|--|
| No. Cheminova-Int/EC-Datasheet/01-2023 | | |
| 1 | Project Type: River-Valley / Mining Industry / Thermal / Nuclear / other (Specify) | : Pesticides Industry and Pesticide Specific Intermediates (Excluding Formulations) |
| 2 | Name of the Project | : Expansion of Pesticide and Pesticide Specific Intermediates at Existing Unit M/s. Cheminova India Limited (Intermediate Division). |
| 3 | Clearance Letter(s)/ OM No. & Date | : IA-J-11011/53/2018-IA-II(I), Date: 31 st December 2019 |
| 4 | Location | |
| | a]. District (s) | : Bharuch |
| | b]. State (s) | : Gujarat |
| | c]. Latitude / Longitude | : 21°32'50.49"N/ 72°59'52.28"E |
| 5 | Address for Correspondence | : Plot No. (27+28)/A, Notified GIDC Industrial Estate, Panoli, Dist. Bharuch 394 116, State-Gujarat, India. |
| | a]. Address of Concerned Project Chief Engineer With Pin code & Telephone / Telex / Fax Numbers. | : Mr. Anil N Shah Tel. – 9714993368 |
| | b]. Address of Executive Project Engineer / Manager (with Pin code / Fax Number) | : Mr. Anil N Shah Tel. – 9714993368 |
| 6 | Salient Features | |
| | a]. Of the Project | : As detailed below |
| | Components | Proposed Scenario |
| | EC No. | IA-J-11011/53/2018-IA-II(I) |
| | Environmental Clearance accorded for- | Product name attached in Annexure-1 |
| | Total Power Requirement | 3500 KVA |
| | Source of Power | DGVCL |
| | Fresh Water requirement | 764 KL/day |
| | Source of Water Supply | GIDC water supply |
| | Wastewater Generation | Industrial : 833 KL/day Domestic : 45 KL/day |
| | Process Emissions | HCl, NH ₃ , Cl ₂ , SO ₂ ,NO _x , H ₂ S, CO, HC, PM |
| | Flue Gas Emission | PM, SO ₂ , NO _x |
| | Fuel Type | Natural gas, HSD, Briquettes/ Bagasse/ Groundnut shell |
| | Fuel Requirement | Natural Gas- 10800 Nm ³ /h, HSD- 800.7 L/h, Briquettes/ Bagasse/Groundnut shell - 2970 kg/h |

SIX MONTHLY EC COMPLIANCE REPORT

| | Man power | Total: 600 (Company + Contract) employee |
|---|--|--|
| b). Of the Environmental Management Plans | | : As follows. |
| Sr. No. | Activity | Status |
| 1 | Formulation of EHS cell Constitutes EHS in charge, ETP super visor and operators, Lab chemist and assistants | EHS cell consists of EHS in charge, ETP super visor and operators, Lab chemist and assistants. |
| 2 | For Air Environment Management <ul style="list-style-type: none">)] To monitor the ambient air quality parameters and flue gas emissions within premises and also in the nearby area regularly and to compare with the regulating standards so that any necessary corrective actions can be taken.)] Work place monitoring to be carried out periodically to check fugitive emissions, if any.)] To develop and maintain greenbelt, in and around the factory, for reducing the effect of air pollutants due to their deposition.)] To follow proper loading and unloading practices to minimize dusting)] To maintain proper record for the fuel consumption, start-up time and duration of boiler operation towards energy conservation | <ul style="list-style-type: none">)] Company maintains its own records and monitors the ambient air and flue gas emission within premises periodically. Monitoring of ambient air & flue gas analysis is done by Siddhi Green Excellence Pvt Ltd., Ankleshwar.)] Work place monitoring to be carried out periodically by Siddhi Green Excellence Pvt Ltd., Ankleshwar.)] Unit has developed & maintained greenbelt area.)] Unit is having closed system for loading and unloading of chemicals.)] Unit is maintaining records for the fuel consumption, start-up time and duration of boiler operation towards energy conservation |
| 3 | For Water Environment Management <ul style="list-style-type: none">)] To investigate possibilities of water reuse and recycling for reducing water consumption and wastewater generation)] Records of water consumption, effluent generation, effluent discharge, water characteristics, treated and untreated effluent characteristics to be maintained.)] To monitor the adequacy and efficiency of ETP so that the effluent is given suitable treatment and the treated effluent meets specified norms of available CC&A of GPCB.)] The effluent collection and discharge drainages, effluent handling and treatment systems to be maintained and regularly monitored to prevent leakages or sudden break-down.)] Proper house-keeping to be adopted to prevent spillages and contaminated surface runoff going to storm water drains. | <ul style="list-style-type: none">)] Reuse and recycling options are being investigated together with feasibility of rainwater harvesting.)] Unit is maintaining records of water consumption, effluent generation, effluent discharge, water characteristics, treated and untreated effluent characteristics.)] The adequacy and efficiency of ETP is maintained well and the effluent is treated appropriately at all the stages. The Treated effluent is further processed in R.O.Plant and MEE Plant. The R.O. Permeate is reused within premises.)] The effluent collection and discharge drainages, effluent handling and treatment systems are maintained and regularly monitored to prevent leakages or sudden break-down by preventive maintenance of all ETP units is taken periodically by taking appropriate proactive actions.)] Good house-keeping practices have been implemented by the unit to prevent spillages and contaminated surface runoff going to storm water drains. |
| 4 | For Hazardous / Non-hazardous waste management <ul style="list-style-type: none">)] Proper storage and handling arrangements in compliance to the conditions of authorization granted by SPCB. |)] Appropriate storage and handling arrangements for all the hazardous waste are provided as per the conditions specified in |

SIX MONTHLY EC COMPLIANCE REPORT

| | <p>) Proper signboards to be provided at relevant places.</p> <p>) All the necessary regulatory procedures as per the amended Hazardous Waste Management & Handling Rules – 2003 to be followed and adhered with.</p> <p>) The transportation of hazardous waste to the TSDF Site to be as per the guidelines and accompanied with Form-9.</p> <p>) Monthly records of generation, storage and disposal of hazardous waste should be maintained in a record register as per the format of Form-3 as per amended Hazardous Waste rules – 2003 and annual returns of disposal to be submitted to SPCB in prescribed form – 4 and form – 13.</p> | <p>the authorization granted by GPCB.</p> <p>) Signboards are provided at relevant places.</p> <p>) Unit is following all the applicable regulatory procedures as per the amended Hazardous Waste Management & Handling Rules – 2016.</p> <p>) Unit is following guidelines for transportation of hazardous waste to all the TSDF & CHWIF and is accompanied with form-9.</p> <p>) Monthly records of generation, storage and disposal of hazardous waste are maintained in a record register as per the format of Form-3 as per amended Hazardous Waste rules – 2003 and annual returns of disposal of all the hazardous waste are submitted to GPCB in prescribed forms – 4 and form – 13.</p> | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|----------------------------|--|----------------------------|----------------|-----------------------|---------|--------------|---------|-------------------------|---------|------------|---------|-------------------------|---------|----------|---------|-------------------------------------|-----|----|---|------------------------------|----|----|--|
| <p>Note: Environment Statement– Form V (Financial year -2021-2022) is attached as Annexure-4.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | <p>Production details during compliance period and (or) during the previous financial year</p> | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">Production Details</th> </tr> <tr> <th style="text-align: center;">Month</th> <th style="text-align: center;">Quantity (MTM)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">December 2022</td> <td style="text-align: center;">434.000</td> </tr> <tr> <td style="text-align: center;">January 2023</td> <td style="text-align: center;">408.000</td> </tr> <tr> <td style="text-align: center;">February 2023</td> <td style="text-align: center;">532.430</td> </tr> <tr> <td style="text-align: center;">March 2023</td> <td style="text-align: center;">507.150</td> </tr> <tr> <td style="text-align: center;">April 2023</td> <td style="text-align: center;">482.630</td> </tr> <tr> <td style="text-align: center;">May 2023</td> <td style="text-align: center;">463.206</td> </tr> </tbody> </table> | Production Details | | Month | Quantity (MTM) | December 2022 | 434.000 | January 2023 | 408.000 | February 2023 | 532.430 | March 2023 | 507.150 | April 2023 | 482.630 | May 2023 | 463.206 | | | | | | | | |
| Production Details | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Month | Quantity (MTM) | | | | | | | | | | | | | | | | | | | | | | | | | |
| December 2022 | 434.000 | | | | | | | | | | | | | | | | | | | | | | | | | |
| January 2023 | 408.000 | | | | | | | | | | | | | | | | | | | | | | | | | |
| February 2023 | 532.430 | | | | | | | | | | | | | | | | | | | | | | | | | |
| March 2023 | 507.150 | | | | | | | | | | | | | | | | | | | | | | | | | |
| April 2023 | 482.630 | | | | | | | | | | | | | | | | | | | | | | | | | |
| May 2023 | 463.206 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | <p>Break Up of the Project Area</p> <p>a]. Submergence area: forest & non-forest</p> <p>b]. Others</p> | <p>: Notified GIDC Industrial Estate, Panoli.</p> | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | <p>Breakup of the project affected population with enumeration of those losing houses / dwelling units, only agricultural land, dwelling units & agricultural land & landless laborers / artisan.</p> <p>a]. SC , ST / Adivasis</p> <p>b]. Others</p> <p>(Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details and years of survey)</p> | <p>: Not applicable since unit is located in Notified GIDC Industrial Estate, Panoli</p> <p>: ---</p> <p>: ---</p> <p>: ---</p> | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | <p>Financial Details</p> <p>a]. Project cost as originally planned and subsequent revised estimates and the year of price reference</p> <p>b]. Allocation made for environmental management plans with item wise and year wise break-up.</p> | <p>: Rs. 790.36 crore (For proposed Expansion only)</p> <p>: As follows</p> | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Sr.No.</th> <th style="text-align: center;">Particulars</th> <th style="text-align: center;">Recurring Cost Per Annum [Rs. In lakh]</th> <th style="text-align: center;">Capital Cost (Rs. In lakh)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">Air Pollution Control</td> <td style="text-align: center;">683</td> <td style="text-align: center;">600</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">Water Pollution Control</td> <td style="text-align: center;">1366</td> <td style="text-align: center;">1200</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">Noise Pollution Control</td> <td style="text-align: center;">5</td> <td style="text-align: center;">3</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">Environment Monitoring & Management</td> <td style="text-align: center;">153</td> <td style="text-align: center;">90</td> </tr> <tr> <td style="text-align: center;">5</td> <td style="text-align: center;">Occupational Health & Safety</td> <td style="text-align: center;">50</td> <td style="text-align: center;">12</td> </tr> </tbody> </table> | Sr.No. | Particulars | Recurring Cost Per Annum [Rs. In lakh] | Capital Cost (Rs. In lakh) | 1 | Air Pollution Control | 683 | 600 | 2 | Water Pollution Control | 1366 | 1200 | 3 | Noise Pollution Control | 5 | 3 | 4 | Environment Monitoring & Management | 153 | 90 | 5 | Occupational Health & Safety | 50 | 12 | |
| Sr.No. | Particulars | Recurring Cost Per Annum [Rs. In lakh] | Capital Cost (Rs. In lakh) | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Air Pollution Control | 683 | 600 | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Water Pollution Control | 1366 | 1200 | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Noise Pollution Control | 5 | 3 | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Environment Monitoring & Management | 153 | 90 | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Occupational Health & Safety | 50 | 12 | | | | | | | | | | | | | | | | | | | | | | | |

SIX MONTHLY EC COMPLIANCE REPORT

| | | | | |
|----|---|--------------------------------------|--|-------|
| | 6 | Green Belt development & maintenance | 20 | 5.0 |
| | 7 | Solid waste management | 228 | 8290 |
| | TOTAL Planned | | 2505 | 10200 |
| | c]. Benefit cost ratio / Internal rate of return and the year of assessment | | : Not applicable | |
| | d]. Whether (c) includes the cost of environmental management as shown in the above | | : Yes | |
| | e]. Actual expenditure incurred on the project so far | | : 1045 Lacs | |
| | f]. Actual expenditure incurred on the Environmental Management Plan so far | | : 766 Lacs | |
| | | | | |
| 11 | Forest land Requirement | | : Notified GIDC Industrial Estate, Panoli | |
| | | | | |
| | a]. The status of approval for diversion of forest land for non-forestry use | | : -- | |
| | b]. The Status of clearing felling | | : -- | |
| | c]. The status of compensatory afforestation, if any | | : -- | |
| | d]. Comments on the viability & sustainability of compensatory afforestation programme in the light of actual field experience so far | | : -- | |
| | | | | |
| 12 | The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information. | | : Notified GIDC Industrial Estate, Panoli | |
| | | | | |
| 13 | Status of construction | | : Construction Initiated | |
| | | | | |
| | a]. Date of commencement (Actual and / or Planned). | | : - | |
| | b]. Date of completion (Actual and / or Planned) | | : Based on the commissioning of project within Five years. | |
| | | | | |
| 14 | Reasons for the delay if the project is yet to start | | : | |
| | | | | |
| 15 | Dates of site visits | | | |
| | a]. The dates on which the project was monitored by the Regional Office on Previous occasions, if any | | : -- | |
| | b]. Date of site visit for this monitoring project | | : 22-02-2023 (Visit by GPCB) | |
| | | | | |
| 16 | Details of correspondence with project authorities for obtaining action plans / information on status of compliance to safeguards other than the routine letters for logistic support for site visits | | : -- | |
| | (The first monitoring report may contain the details of all the letters issued so far, but the later reports may cover only the letters issued subsequently.) | | : -- | |

Note: EC Compliance & CC&A/CTO compliance reports are attached as Annexure -1& 2.

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Annexure 1 -Compliance report of Environment Clearance

| Sr. No. | Conditions | Compliance Status | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|-----------------|---------------------|--|--|----------------|----------------|-------------|----|---|------|----|------|----|---|-----|----|-----|----|--|------|------|------|----|------------------|-----|----|-----|----|--|------|----|------|----|---|-----|----|-----|----|---|-----|----|-----|----|--|------|----|------|----|--|-----|----|-----|-----|--|-----|----|-----|--|--|--|-------|---------------------|---------------|---------|--------------|---------|---------------|---------|------------|---------|------------|---------|----------|---------|
| 2. | The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for expansion of pesticides and pesticide specific intermediates from 19705 TPA to 47681 TPA by M/s. Cheminova India Limited (Intermediate Division) in an area of 149163.17 sq. m. located at Plot Nos. (27+28)/A, GIDC Industrial Estate, Panoli, Taluka:Ankleshwar, District Bharuch (Gujarat). | Noted | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | The details of products are as under:- | Noted. Unit has been obtained partial CC&A Amendment. Production data as per existing CTO is as below: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">SN</th> <th rowspan="2">Name of Product</th> <th colspan="3">Quantity (MT/Annum)</th> </tr> <tr> <th>Existing (TPA)</th> <th>Proposed (TPA)</th> <th>Total (TPA)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td>Phosphorous Trichloride (PCL₃)/ Phosphoryl Chloride (POCL₃)</td> <td style="text-align: center;">1000</td> <td style="text-align: center;">--</td> <td style="text-align: center;">1000</td> </tr> <tr> <td style="text-align: center;">2.</td> <td>Tri Methyl Phosphite(TMP) OR Tri Ethyl Phosphite(TEP)</td> <td style="text-align: center;">100</td> <td style="text-align: center;">--</td> <td style="text-align: center;">100</td> </tr> <tr> <td style="text-align: center;">3.</td> <td>Diethyl Thio Phosphoryl Chloride (DETPC)/Sodium Salt Of Diethyl Thio Phosphoryl Chloride (Na-DETA)</td> <td style="text-align: center;">5330</td> <td style="text-align: center;">2670</td> <td style="text-align: center;">8000</td> </tr> <tr> <td style="text-align: center;">4.</td> <td>Cyhalothrin Acid</td> <td style="text-align: center;">250</td> <td style="text-align: center;">--</td> <td style="text-align: center;">250</td> </tr> <tr> <td style="text-align: center;">5.</td> <td>Phosphorous Penta Sulphide(P₂S₅)</td> <td style="text-align: center;">3400</td> <td style="text-align: center;">--</td> <td style="text-align: center;">3400</td> </tr> <tr> <td style="text-align: center;">6.</td> <td>Acid Based Products [2-Bronobutyric Acid (INT), Ethyl 2-(4-Hydroxy Phenoxy) Propionate (O- HPPA) (INT), Thiocyclam (I), Bispyribac-Sodium (H), Methoxy Amine Hydrochloride (INT), 2-Hydroxyphenyl Acetic Acid (HPPA) (INT), Amino Acid (INT)] etc.</td> <td style="text-align: center;">150</td> <td style="text-align: center;">--</td> <td style="text-align: center;">150</td> </tr> <tr> <td style="text-align: center;">7.</td> <td>Amide Group Based Products [Pretilachlor (H), Captan (F), Cymoxanil (F), Bflubutamide (H), Pethoxamide (H), Carboxin (F), Flubendamide (I), Chlorantraniliprole (I), Thiaflusamide (F), Zoxamide(F), Flufenacet (H), 2 Aminosulfonyl-N-N- Dimethylnicotinamide (SNA) (INT), 2- (Methoxycarbonyl) Thiophene Thiophene-3 Sulfonamide (MST) (INT)] etc.</td> <td style="text-align: center;">150</td> <td style="text-align: center;">--</td> <td style="text-align: center;">150</td> </tr> <tr> <td style="text-align: center;">8.</td> <td>Aniline Group Bases Products [Pendimethalin(H), Fluazinam (F), ,Metaixyi (F), Famoxadone (F)] etc.</td> <td style="text-align: center;">1200</td> <td style="text-align: center;">--</td> <td style="text-align: center;">1200</td> </tr> <tr> <td style="text-align: center;">9.</td> <td>Azine group based products Fenpyroximate (I), Metribuzin (H), Pymetrozin (I), Arnitraz (I), Indoxacarb (I), Cofentezine (I), 2 Methoxy-4-Methyl-6-Methylamino-1,3,5-Triazine (MMMT) (INT) etc.</td> <td style="text-align: center;">300</td> <td style="text-align: center;">--</td> <td style="text-align: center;">300</td> </tr> <tr> <td style="text-align: center;">10.</td> <td>Azole Group Based Products [Fipronil (I), Hexaconazole (F), Propiconazole (F), Difenoconazole (F), Tricydazole (F), Myclobutanil (F), Florasulam (H), Tebuconazole (F), Flusilazole (F), Tridemefon, Paclobutrazol (F), Thiamethoxam (I), Flutriafol (F), (Safener)soxadifen Ethyl (Int), Irnidacloprid (I), 2, 6 Dichlorobenzoxazolone(Int), Penoxasulam(H)] etc.</td> <td style="text-align: center;">200</td> <td style="text-align: center;">--</td> <td style="text-align: center;">200</td> </tr> </tbody> </table> | SN | Name of Product | Quantity (MT/Annum) | | | Existing (TPA) | Proposed (TPA) | Total (TPA) | 1. | Phosphorous Trichloride (PCL ₃)/ Phosphoryl Chloride (POCL ₃) | 1000 | -- | 1000 | 2. | Tri Methyl Phosphite(TMP) OR Tri Ethyl Phosphite(TEP) | 100 | -- | 100 | 3. | Diethyl Thio Phosphoryl Chloride (DETPC)/Sodium Salt Of Diethyl Thio Phosphoryl Chloride (Na-DETA) | 5330 | 2670 | 8000 | 4. | Cyhalothrin Acid | 250 | -- | 250 | 5. | Phosphorous Penta Sulphide(P ₂ S ₅) | 3400 | -- | 3400 | 6. | Acid Based Products [2-Bronobutyric Acid (INT), Ethyl 2-(4-Hydroxy Phenoxy) Propionate (O- HPPA) (INT), Thiocyclam (I), Bispyribac-Sodium (H), Methoxy Amine Hydrochloride (INT), 2-Hydroxyphenyl Acetic Acid (HPPA) (INT), Amino Acid (INT)] etc. | 150 | -- | 150 | 7. | Amide Group Based Products [Pretilachlor (H), Captan (F), Cymoxanil (F), Bflubutamide (H), Pethoxamide (H), Carboxin (F), Flubendamide (I), Chlorantraniliprole (I), Thiaflusamide (F), Zoxamide(F), Flufenacet (H), 2 Aminosulfonyl-N-N- Dimethylnicotinamide (SNA) (INT), 2- (Methoxycarbonyl) Thiophene Thiophene-3 Sulfonamide (MST) (INT)] etc. | 150 | -- | 150 | 8. | Aniline Group Bases Products [Pendimethalin(H), Fluazinam (F), ,Metaixyi (F), Famoxadone (F)] etc. | 1200 | -- | 1200 | 9. | Azine group based products Fenpyroximate (I), Metribuzin (H), Pymetrozin (I), Arnitraz (I), Indoxacarb (I), Cofentezine (I), 2 Methoxy-4-Methyl-6-Methylamino-1,3,5-Triazine (MMMT) (INT) etc. | 300 | -- | 300 | 10. | Azole Group Based Products [Fipronil (I), Hexaconazole (F), Propiconazole (F), Difenoconazole (F), Tricydazole (F), Myclobutanil (F), Florasulam (H), Tebuconazole (F), Flusilazole (F), Tridemefon, Paclobutrazol (F), Thiamethoxam (I), Flutriafol (F), (Safener)soxadifen Ethyl (Int), Irnidacloprid (I), 2, 6 Dichlorobenzoxazolone(Int), Penoxasulam(H)] etc. | 200 | -- | 200 | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Production Details for Compliance period: December 2022 to May 2023</th> </tr> <tr> <th style="width: 50%;">Month</th> <th style="width: 50%;">Quantity (MT/Month)</th> </tr> </thead> <tbody> <tr> <td>December 2022</td> <td style="text-align: center;">434.000</td> </tr> <tr> <td>January 2023</td> <td style="text-align: center;">408.000</td> </tr> <tr> <td>February 2023</td> <td style="text-align: center;">532.430</td> </tr> <tr> <td>March 2023</td> <td style="text-align: center;">507.150</td> </tr> <tr> <td>April 2023</td> <td style="text-align: center;">482.630</td> </tr> <tr> <td>May 2023</td> <td style="text-align: center;">463.206</td> </tr> </tbody> </table> | Production Details for Compliance period: December 2022 to May 2023 | | Month | Quantity (MT/Month) | December 2022 | 434.000 | January 2023 | 408.000 | February 2023 | 532.430 | March 2023 | 507.150 | April 2023 | 482.630 | May 2023 | 463.206 |
| SN | Name of Product | | | Quantity (MT/Annum) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Existing (TPA) | Proposed (TPA) | Total (TPA) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. | Phosphorous Trichloride (PCL ₃)/ Phosphoryl Chloride (POCL ₃) | 1000 | -- | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | Tri Methyl Phosphite(TMP) OR Tri Ethyl Phosphite(TEP) | 100 | -- | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | Diethyl Thio Phosphoryl Chloride (DETPC)/Sodium Salt Of Diethyl Thio Phosphoryl Chloride (Na-DETA) | 5330 | 2670 | 8000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | Cyhalothrin Acid | 250 | -- | 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | Phosphorous Penta Sulphide(P ₂ S ₅) | 3400 | -- | 3400 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. | Acid Based Products [2-Bronobutyric Acid (INT), Ethyl 2-(4-Hydroxy Phenoxy) Propionate (O- HPPA) (INT), Thiocyclam (I), Bispyribac-Sodium (H), Methoxy Amine Hydrochloride (INT), 2-Hydroxyphenyl Acetic Acid (HPPA) (INT), Amino Acid (INT)] etc. | 150 | -- | 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. | Amide Group Based Products [Pretilachlor (H), Captan (F), Cymoxanil (F), Bflubutamide (H), Pethoxamide (H), Carboxin (F), Flubendamide (I), Chlorantraniliprole (I), Thiaflusamide (F), Zoxamide(F), Flufenacet (H), 2 Aminosulfonyl-N-N- Dimethylnicotinamide (SNA) (INT), 2- (Methoxycarbonyl) Thiophene Thiophene-3 Sulfonamide (MST) (INT)] etc. | 150 | -- | 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. | Aniline Group Bases Products [Pendimethalin(H), Fluazinam (F), ,Metaixyi (F), Famoxadone (F)] etc. | 1200 | -- | 1200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9. | Azine group based products Fenpyroximate (I), Metribuzin (H), Pymetrozin (I), Arnitraz (I), Indoxacarb (I), Cofentezine (I), 2 Methoxy-4-Methyl-6-Methylamino-1,3,5-Triazine (MMMT) (INT) etc. | 300 | -- | 300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10. | Azole Group Based Products [Fipronil (I), Hexaconazole (F), Propiconazole (F), Difenoconazole (F), Tricydazole (F), Myclobutanil (F), Florasulam (H), Tebuconazole (F), Flusilazole (F), Tridemefon, Paclobutrazol (F), Thiamethoxam (I), Flutriafol (F), (Safener)soxadifen Ethyl (Int), Irnidacloprid (I), 2, 6 Dichlorobenzoxazolone(Int), Penoxasulam(H)] etc. | 200 | -- | 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Production Details for Compliance period: December 2022 to May 2023 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Month | Quantity (MT/Month) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| December 2022 | 434.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| January 2023 | 408.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| February 2023 | 532.430 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| March 2023 | 507.150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| April 2023 | 482.630 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| May 2023 | 463.206 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SIX MONTHLY EC COMPLIANCE REPORT

| Sr. No. | Conditions | | | | Compliance Status |
|---------|--|------|-------|-------|-------------------|
| 11. | Carbamate Group Based Product [Thiodicarb(I), Propineb (F), Metiram (F), Thiram(F), Cartap Hydrochloride (I), Thiophanate Methyl (F)] etc. | 500 | -- | 500 | |
| 12. | Ester group based products [Fenoxaprop-p-Et (H),Clodinafop-Pr(H),Quizolfop-p-ethyl (H),Quinzolfop-p-terfuryl(H),Cyhalofop(H), Isoprothiolane (F),Alphamethrin(I), Lambda Cyhaothrin(I), Cypermethrin (I),Bifenazate(I), Phthalide (Int) etc. | 300 | -- | 300 | |
| 13. | Ether group based products [Propargite(I), oxyfiuorfen(H), 2 Ethoxy Ethyl Amine (Int), S- Cyano MPB (Int)] etc. | 200 | -- | 200 | |
| 14. | Ketone group based product [Mesotrione(H), Suctioned (H),Isoxanutole(H), Dimethomorph (F),Isobutyrophenone (IBP) (Int)] etc. | 1200 | -- | 1200 | |
| 15. | Phosphate group based product [Chlorpyrifos (I) or its intermidiate Na-TCP (Int),Acephate(I),Monocrotophos(I) or its intermediates MCMMAA (Int.), Dimethoate (I),Profenofos(I), Ethephon (PGR)] etc. | 5000 | -- | 5000 | |
| 16. | Pyridine group based product [Pyridalyl(I),Imazethapyr(H)CloquintocctMexyl(H), Acetamiprid (I), 4, 6-DiChloro Pyridine (Int)], Azoxvstrobin(F)etc | 250 | -- | 250 | |
| 17. | Urea group based product [Buprofezin(I), Lufenuron (I), Linuron (H),Diafenthuron(I), Diuron (H), Novaluron (I), Chlorimuron (Int),Hexythiazox(I),Spiromesifen(I),Azimsulfuron(H) ,Sulfonyl Ureas(H)] etc. | 100 | -- | 100 | |
| 18. | Phenol group based product [2- Cyanophenol (Int), 4- Fluro-3 trilluromethylphenole (Int)] etc. | 75 | --- | 75 | |
| 19. | Sulfentrazone | --- | 2000 | 2000 | |
| 20. | F-9600 (2-(2,4-Dichlorobenzyl)-4,4-Dimethylizoxazolidin-3one)/Bixlozone | --- | 4200 | 4200 | |
| 21. | F 9990 (Fluindapyr) | --- | 1200 | 1200 | |
| 22. | Malathion | --- | 10000 | 10000 | |
| 23. | F-4050 (2-(4-Fluro-3-(Trifluoromethyl)Phenoxy)-N-Benzylbutanamide | --- | 1500 | 1500 | |
| 24. | Beflubutamide | --- | 450 | 450 | |
| 25. | Gamma Cyhalothrin | --- | 300 | 300 | |
| 26. | Bifenthrin | --- | 300 | 300 | |
| 27. | Clomazone | --- | 2000 | 2000 | |
| 28. | FMC-57091 (4,4-Dimethyl Isoxazolidin-3-One)/(Isoxazolidinone) | --- | 2600 | 2600 | |
| 29. | Thifensulfuron Methyl | --- | 205 | 205 | |
| 30. | Tribenuron Methyl | --- | 215 | 215 | |
| 31. | Metsulfuron Methyl | --- | 200 | 200 | |
| 32. | Ethametsulfuron Methyl | --- | 10 | 10 | |

SIX MONTHLY EC COMPLIANCE REPORT

| Sr. No. | Conditions | | | | Compliance Status | | | | | | | | | | | | | | |
|---------------|---|-------|-------|-------|---|-------|---------------------|---------------|------|--------------|------|---------------|-------|------------|-------|------------|-------|----------|-------|
| | 33. Chlorsulfuron | --- | 60 | 60 | | | | | | | | | | | | | | | |
| | 34. Triflurosulfuron Methyl | --- | 50 | 50 | | | | | | | | | | | | | | | |
| | 35. Azimsulfuron | -- | 4 | 4 | | | | | | | | | | | | | | | |
| | 36. Flupyralsulfuron Methyl Sodium | --- | 12 | 12 | | | | | | | | | | | | | | | |
| | Total | 19705 | 27976 | 47681 | | | | | | | | | | | | | | | |
| 4. | Existing land area is 149163.17 sqm. No additional land will be required for the proposed expansion. Industry has developed greenbelt in an area of 49497 sqm covering 33.18% of total project area. The estimated project cost is Rs. 790.36 crores. Total capital cost earmarked towards environmental pollution control measures is Rs 25.05 crores and the recurring cost (O&M) will be about Rs 102 crores per annum. The project will provide employment for 178 persons directly and 422 persons indirectly after expansion. | | | | Noted. The condition mentioned beside will be followed. | | | | | | | | | | | | | | |
| 5. | There are no National parks, Wildlife sanctuaries, Biosphere, Reserves, Tiger/Elephant Reserves, and Wildlife Corridors etc. within 10 km from the project site. Ukai canal flows at a distance of 1.66 km in west direction. | | | | Noted. Unit is located within Notified GIDC Industrial Estate, Panoli. | | | | | | | | | | | | | | |
| 6. | Total water requirement is estimated to be 1351 cum/day, which includes fresh water requirement of 764 cum/day, proposed to be met from GIDC supply. | | | | Unit shall adhere to the condition after the commencement of the project. Present water consumption is within the limits as specified in existing CC&A. Details are as below: | | | | | | | | | | | | | | |
| | | | | | <table border="1" style="width: 100%;"> <thead> <tr> <th style="text-align: center;">Month</th> <th style="text-align: center;">Quantity (KL/Month)</th> </tr> </thead> <tbody> <tr> <td>December 2022</td> <td style="text-align: center;">9924</td> </tr> <tr> <td>January 2023</td> <td style="text-align: center;">9881</td> </tr> <tr> <td>February 2023</td> <td style="text-align: center;">11063</td> </tr> <tr> <td>March 2023</td> <td style="text-align: center;">11361</td> </tr> <tr> <td>April 2023</td> <td style="text-align: center;">12599</td> </tr> <tr> <td>May 2023</td> <td style="text-align: center;">13444</td> </tr> </tbody> </table> | Month | Quantity (KL/Month) | December 2022 | 9924 | January 2023 | 9881 | February 2023 | 11063 | March 2023 | 11361 | April 2023 | 12599 | May 2023 | 13444 |
| Month | Quantity (KL/Month) | | | | | | | | | | | | | | | | | | |
| December 2022 | 9924 | | | | | | | | | | | | | | | | | | |
| January 2023 | 9881 | | | | | | | | | | | | | | | | | | |
| February 2023 | 11063 | | | | | | | | | | | | | | | | | | |
| March 2023 | 11361 | | | | | | | | | | | | | | | | | | |
| April 2023 | 12599 | | | | | | | | | | | | | | | | | | |
| May 2023 | 13444 | | | | | | | | | | | | | | | | | | |
| | Effluent of 206 cum/day will be treated through Effluent Treatment Plant (ETP) having Primary, Secondary & Tertiary Treatments, & treated effluent of 181 cum/day is discharged into underground conveyance pipeline connected to Final Effluent Treatment Plant (FETP) of M/s. Narmada Clean Tech (NCT). It has been now proposed that after expansion, existing and proposed unit shall ensure zero liquid discharge and there will be no discharge of treated/untreated waste water from the unit. | | | | Total wastewater generation/ treatment in RO Plant is as below: | | | | | | | | | | | | | | |
| | | | | | <table border="1" style="width: 100%;"> <thead> <tr> <th style="text-align: center;">Month</th> <th style="text-align: center;">Quantity (KL/Month)</th> </tr> </thead> <tbody> <tr> <td>December 2022</td> <td style="text-align: center;">4695</td> </tr> <tr> <td>January 2023</td> <td style="text-align: center;">4282</td> </tr> <tr> <td>February 2023</td> <td style="text-align: center;">3728</td> </tr> <tr> <td>March 2023</td> <td style="text-align: center;">4866</td> </tr> <tr> <td>April 2023</td> <td style="text-align: center;">4545</td> </tr> </tbody> </table> | Month | Quantity (KL/Month) | December 2022 | 4695 | January 2023 | 4282 | February 2023 | 3728 | March 2023 | 4866 | April 2023 | 4545 | | |
| Month | Quantity (KL/Month) | | | | | | | | | | | | | | | | | | |
| December 2022 | 4695 | | | | | | | | | | | | | | | | | | |
| January 2023 | 4282 | | | | | | | | | | | | | | | | | | |
| February 2023 | 3728 | | | | | | | | | | | | | | | | | | |
| March 2023 | 4866 | | | | | | | | | | | | | | | | | | |
| April 2023 | 4545 | | | | | | | | | | | | | | | | | | |

SIX MONTHLY EC COMPLIANCE REPORT

| Sr. No. | Conditions | Compliance Status | | | | | | | | | | | | | | | |
|---------------|--|--|------|-------|-------------------------|---------------|---------|--------------|---------|---------------|---------|------------|---------|------------|---------|----------|---------|
| | | May 2023 | 5785 | | | | | | | | | | | | | | |
| | <div style="display: flex; justify-content: space-around;"> <div style="width: 45%; text-align: center;"> <p>RO Plant</p>  </div> <div style="width: 45%; text-align: center;"> <p>MEE Plant</p>  </div> </div> | | | | | | | | | | | | | | | | |
| | <p>Power requirement after expansion will be 3500 KVA proposed to be met from M/s Dakshin Gujarat Vij Company Limited (DGVCL). Existing unit has one DG set of 1250 KVA. Two more DG sets of 1250 & 1500 KVA will be required under proposed expansion.</p> | <p>At present unit has obtained partial CTO Amendment. Hence Present power consumption is 2700 KVA. Unit shall comply with the given condition. The details of total Power consumption met by M/s Dakshin Gujarat Vij Company Limited (DGVCL as below</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Month</th> <th style="width: 70%;">Power Consumption (Kwh)</th> </tr> </thead> <tbody> <tr> <td>December 2022</td> <td style="text-align: center;">1028820</td> </tr> <tr> <td>January 2023</td> <td style="text-align: center;">1102110</td> </tr> <tr> <td>February 2023</td> <td style="text-align: center;">1116390</td> </tr> <tr> <td>March 2023</td> <td style="text-align: center;">1047870</td> </tr> <tr> <td>April 2023</td> <td style="text-align: center;">1174860</td> </tr> <tr> <td>May 2023</td> <td style="text-align: center;">1221420</td> </tr> </tbody> </table> | | Month | Power Consumption (Kwh) | December 2022 | 1028820 | January 2023 | 1102110 | February 2023 | 1116390 | March 2023 | 1047870 | April 2023 | 1174860 | May 2023 | 1221420 |
| Month | Power Consumption (Kwh) | | | | | | | | | | | | | | | | |
| December 2022 | 1028820 | | | | | | | | | | | | | | | | |
| January 2023 | 1102110 | | | | | | | | | | | | | | | | |
| February 2023 | 1116390 | | | | | | | | | | | | | | | | |
| March 2023 | 1047870 | | | | | | | | | | | | | | | | |
| April 2023 | 1174860 | | | | | | | | | | | | | | | | |
| May 2023 | 1221420 | | | | | | | | | | | | | | | | |
| | <p>Existing unit has two natural gas-based boilers of 10 TPH capacities each and one briquettes/ bagasse/ groundnut shell-based boiler of 18 TPH capacity. Incinerator (for waste gas) and one natural gas based thermic fluid heater of 10 lakh Kcal/h will be installed in the expansion.</p> | <p>Noted and complied.</p> | | | | | | | | | | | | | | | |

SIX MONTHLY EC COMPLIANCE REPORT

| Sr. No. | Conditions | Compliance Status |
|---------|---|---|
| 7. | The project/activities are covered under category A of item 5(b) 'Pesticides industry and Pesticide specific intermediates' of the Schedule to the Environment Impact Assessment Notification, 2006, and requires appraisal at central level by the sectoral Expert Appraisal Committee (EAC) in the Ministry. | Noted and complied. |
| 8. | Standard terms of reference (ToR) for the project were granted on 23 rd March, 2018. Public hearing is exempted in accordance with the Ministry's OM dated 27 th April 2018, as the project site is located in the notified industrial area. | Noted. |
| 9. | The proposal for environmental clearance was considered by the EAC (Industry-2) in its meetings held on 8-9 th April, 2019 and 26-28 June, 2019 in the Ministry, wherein the project proponent and their accredited consultant M/s. Siddhi Green Excellence Pvt. Ltd presented the EIA/EMP report complying with the terms and conditions of the ToR, and recommended the proposal for environmental clearance to the project with certain conditions. | Noted. Unit shall adhere and complies all the given conditions. |
| 10. | The proposal was further examined in the Ministry in accordance with the Ministry's Office Memorandum dated 31 st October 2019 and Ministry's communication dated 24 th October 2019 regarding compliance of Hon'ble NGT order dated 19.8.2019 (published on 23.8.2019) in OA No. 1038/2018. | Noted. |
| 11. | Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), the Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project for Expansion of Pesticides and Pesticide Specific Intermediates from 19705 TPA to 47681 TPA by M/s. Cheminova India Limited (Intermediate Division) at Plot No.(27+28)/A, GIDC Industrial Estate, Panoli, Taluka Ankleshwar, District Bharuch (Gujarat), under the provisions of the EIA Notification, 2006, read with subsequent amendments therein, subject to compliance of the terms and conditions as environmental safeguards, as under:- | Noted. |
| | (i) Consent to Establish/Operate (CTE/CTO) for the project shall be obtained from the State Pollution Control Board (SPCB) as required under the Air (Prevention and Control of Pollution) Act, 1981 and the water (Prevention and Control of Pollution) Act, 1974, and the SPCB shall follow the mechanism/protocol issued by the Ministry vide letter no. Q-16017/38/2018-CPA dated 24 th October, 2019 and forwarded by Central Pollution Control Board vide letter dated 25 th October, 2019 to the SPCB's while issuing the CTE/CTO for the project, for improvement of environmental quality in the area. | Consent to Establish was obtained via out ward No. 15866 dated 4 th June 2020. Partial CTO Amendment was granted on 05-09-2022. CTO-Amendment Copy is attached as Annexure -3. |
| | (ii) Zero Liquid Discharge shall be ensured including existing facility and the proposed expansion facility and no waste/treated water shall be discharged outside the premises. | Complid. Unit has also obtained CTO and maintain ZLD. |
| | (iii) Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to. | Unit strictly adheres to the given condition. |
| | (iv) National Emission Standards for Pesticides Manufacturing Industry issued by the Ministry vide G.S.R.446(E) dated 13 th June, 2011, as amended from time to time, shall be followed. | Noted. |
| | (v) No pesticides/chemicals banned by the Ministry of agriculture and Farmers welfare, or having LD ₅₀ <100 mg/kg shall be produced. Also, no raw material/solvent prohibited by the concerned regulatory authorities from time to | Unit commits that No pesticides/chemicals banned by the Ministry of agriculture and Farmers welfare, or having |

SIX MONTHLY EC COMPLIANCE REPORT

| Sr. No. | Conditions | Compliance Status | | | | | | | | | |
|-------------------------------|---|---|----------------------|------------------------|---------------|-------------------------------|-------|---------------|------------|---------|-----------|
| | time, shall be used for production of pesticides. | LD ₅₀ <100 mg/kg shall be produced and no prohibited raw material/solvent shall be used for production. | | | | | | | | | |
| | (vi) To control source and the fugitive emissions (at 99.98%), suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines. | Noted & complied. | | | | | | | | | |
| | (vii) 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) The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery. (d) Solvents shall be stored in a separate space specified with all safety measures. (e) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (f) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (g) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation. | All requirements shall be ensured, fulfilled and taken care during execution of project | | | | | | | | | |
| | (viii) Total fresh water requirement shall not excess 764 cum/day to be met from GIDC water supply. Prior permission in this regard shall be obtained from the concerned regulatory authority. | Noted and Complied. | | | | | | | | | |
| | (ix) Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system | Well-structured storm water drainage network is already available at site. | | | | | | | | | |
| | (x) Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and solvent transfer through pumps. | Unit has provided flame arresters in tank farm and solvent transfer is done through pumps with mechanical seals. | | | | | | | | | |
| | (xi) Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF. | Hazardous waste disposal details during the period December 2022 to May 2023 is as below: <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Hazardous Waste Name</th> <th style="text-align: center;">Disposal Quantity (MT)</th> <th style="text-align: center;">Disposal mode</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Process waste and res residue</td> <td style="text-align: center;">967.7</td> <td style="text-align: center;">Co-Processing</td> </tr> <tr> <td style="text-align: center;">ETP sludge</td> <td style="text-align: center;">1113.46</td> <td style="text-align: center;">TSDF site</td> </tr> </tbody> </table> | Hazardous Waste Name | Disposal Quantity (MT) | Disposal mode | Process waste and res residue | 967.7 | Co-Processing | ETP sludge | 1113.46 | TSDF site |
| Hazardous Waste Name | Disposal Quantity (MT) | Disposal mode | | | | | | | | | |
| Process waste and res residue | 967.7 | Co-Processing | | | | | | | | | |
| ETP sludge | 1113.46 | TSDF site | | | | | | | | | |
| | (xii) The company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act, 1989. | Unit shall store all the hazardous chemicals based on the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as | | | | | | | | | |

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| Sr. No. | Conditions | Compliance Status | | |
|---------|--|--|------------------|-----------------------|
| | | amended time to time. Also maximum safety measures are taken for transportation of Hazardous chemicals and guidelines of the Motor Vehicle Act, 1989 shall be followed. | | |
| | (xiii) The company shall undertake waste minimization measures as below:- (a) Metering and control of quantities of active ingredients to minimize waste. (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapor recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation. | Unit shall follow the given condition. | | |
| | (xiv) The green belt of at least 5-10 m width shall be developed in nearly 40% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. In addition, the project proponent shall develop greenbelt outside the plant premises also such as avenue plantation, plantation in vacant areas, social forestry etc. | The unit has developed 49471 sq. m. (~33.17%) of total plot area within plan premises. An Additional 11000 sq.m. (7.37%) area provided outside the premise (in GIDC) which is in progress and total green belt area will be 40%. | | |
| |  | | | |
| | Greenbelt along Boiler side | Near MPHP Plant | Behind ETP Plant | Greenbelt Development |
| | (xv) As committed, fund allocation for the Corporate Environment Responsibility (CER) shall be 5% of the total project cost. Item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office. | Unit shall follow the given condition. Fund allocation for 2022 CER/CSR jobs for both Technical & Intermediate are as follow: J Providing skill training and support for women | | |

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| Sr. No. | Conditions | Compliance Status | |
|---------|--|--|--|
| | | empowerment to Kharod village = 6.50 lakh =completed in June2022) Providing skill training and support for women empowerment to Sanjali village = 6.50 lakh =completed in June2022) Providing streetlight and solar roof top to Umarwada village as sustainable solution = 25 lakh = Completed in May2022) Sponsorship of Cricket tournament trophy to kharod village to encourage sports activities in younggeneration= 1.15 lakh = completed in June22 Total Fund Allocation In CER= 39.15 Lakh | |
| | (xvi) Safety and visual reality training shall be provided to employees. | In house-training programs are conducted on monthly basis for SOPs and safety as per yearly plan. Details are as below: | |
| Sr. No. | Training Subject | Trainee Roles | Department |
| 1. | Hot Work | General Awareness (1) Fire Watch | Security Person/Contract Supervisor/Trainees |
| 2. | Confined Space Entry | General Awareness (1) Rescue Team | All Department Employees selected by Production and Mechanical Dept |
| 3. | Energy Isolation, Lockout/Tagout (LOTO) | General Awareness (1) Other Person (1) Authorized Person (2) Affected Person | Finance / Administration / Civil Distribution / Stores / Excise HR / IT /Procurement / Tech Services Safety Mechanical Department Instrument Department Electrical Department Production, Environment, Utility, Quality Control (QC), Research & Development (R&D), Formulation -R&D, Boiler |

SIX MONTHLY EC COMPLIANCE REPORT

| Sr. No. | Conditions | Compliance Status |
|---------------------------|---|---|
| 4. | Elevated Work | Detailed Training (1) Competent Person |
| | Line Breaking and Equipment Opening | Detailed Training (1) Equipment Owner (2) Work Performing Group |
| 5. | | Production Department |
| | | Engineering Department |
| 6. | HAM | All Department and Contractor |
| 7. | Security Standard | All Department |
| 8. | Hose Management Standard | Detailed Training |
| | | Production / Engineering Contractor |
| 9. | Decommissioning | Detailed Training |
| 10. | Lab Standard | |
| | FMC Laboratory Minimum Safety Standards: MSDS | Detailed Training |
| | Laboratory Minimum Safety Standards: Glassware Handling | Detailed Training |
| | FMC Laboratory Minimum Safety Standards: Chemical Storage | Detailed Training |
| | FMC Laboratory Minimum Safety Standards: Fume Hoods | Detailed Training |
| 11. | Glove Use Standard | Detailed Training |
| 12. | PPE | Detailed Training |
| 13. | MOC | Detailed Training |
| 14. | Incident Management standard, Effective Injury and Illness Case Management Guideline | Detailed Training |
| | | All Department |
| | | |
| 15. | Process Safety Module | Detailed Training |
| 16. | No-1 and No-2 | |
| Photographs of trainings: | | |

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| Sr. No. | Conditions | Compliance Status |
|---------|--|--|
| |  | <p>(xvii) For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.</p> <p>Presently, unit has appointed third party for carrying out regular monitoring of Flue gas analysis. Analysis reports for reference is attached below:</p> |

SIX MONTHLY EC COMPLIANCE REPORT

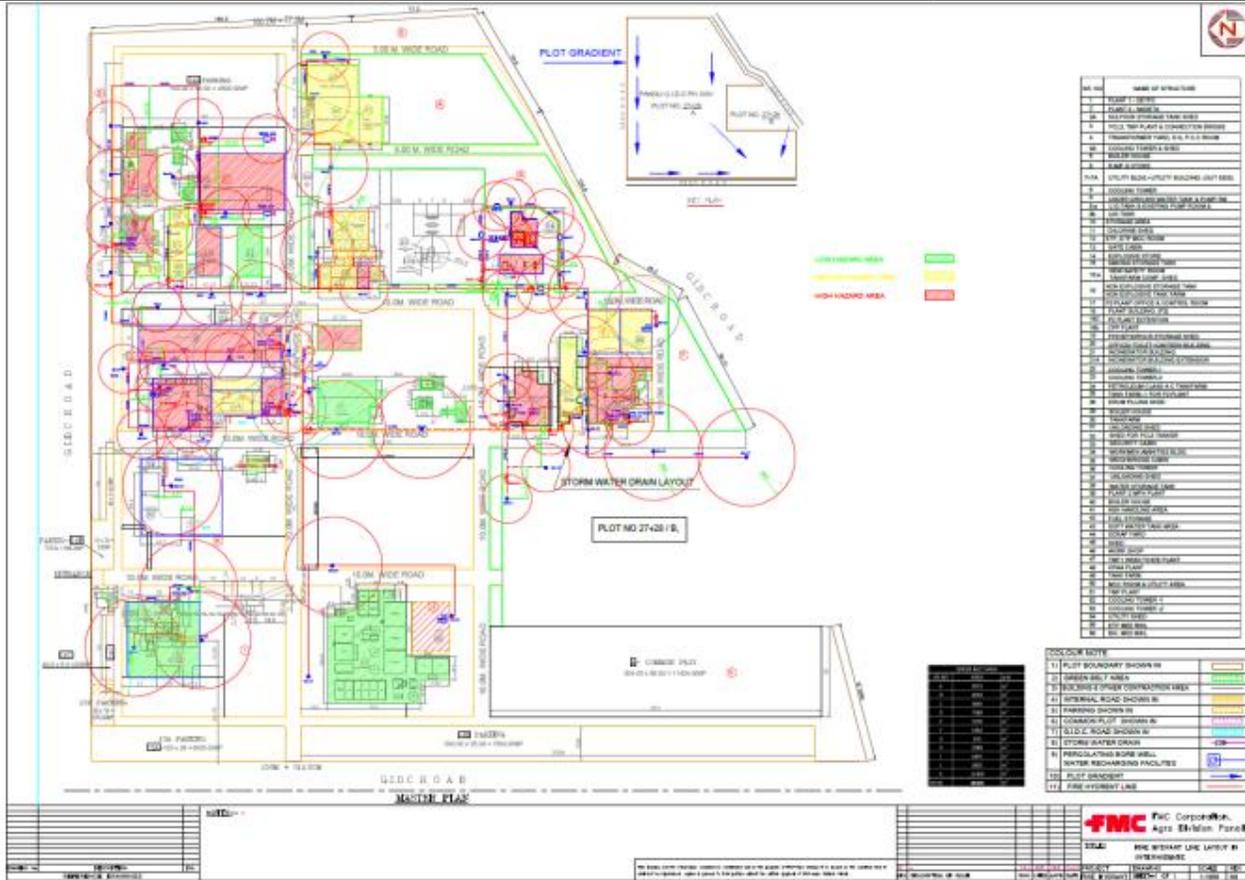
| Sr. No. | Conditions | Compliance Status | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| |  <p>Siddhi Green Excellence PRIVATE LIMITED</p> <p>TEST REPORT</p> <p>REPORT NO. : SC/CILID/ST/MAY/2023/01 Date of Issue :23-05-2023</p> <p>Issued to M/s. CHEMINOVA INDIA LTD. (INTERMEDIATE DIV.)</p> <p>Address PLOT NO.27,28/A GIDC ESTATE:PANOLI, TA: ANKLESHWAR,DIST: BHARUCH-394116</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>SR.NO.</th> <th>DESCRIPTION</th> <th>FLUE GAS STACK EMISSION ANALYSIS</th> </tr> </thead> <tbody> <tr> <td></td> <td>Particulars of Sample</td> <td>Stack No.1</td> </tr> <tr> <td>1</td> <td>PCB ID of Stack</td> <td>95313</td> </tr> <tr> <td>2</td> <td>Sample ID</td> <td>27728-FS-01</td> </tr> <tr> <td>3</td> <td>Name of Stack</td> <td>BOILER</td> </tr> <tr> <td>4</td> <td>Source</td> <td>BOILER(10 TPH) GT 4423</td> </tr> <tr> <td>5</td> <td>Date & Time of sampling</td> <td>17-05-2023 & 10:49 h</td> </tr> <tr> <td>6</td> <td>Date of Receipt</td> <td>17-05-2023</td> </tr> <tr> <td>7</td> <td>Date of Analysis start</td> <td>18-05-2023</td> </tr> <tr> <td>8</td> <td>Date of Completion</td> <td>19-05-2023</td> </tr> </tbody> </table> <p>Sampling Plan & Sampling Method Used : Lab Document SC/LAB/01</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Details of Stack</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Stack Height : 40 m</td> </tr> <tr> <td>2</td> <td>Stack Diameter : -</td> </tr> <tr> <td>3</td> <td>Temperature of Flue gas : 128 °C</td> </tr> <tr> <td>4</td> <td>Velocity of Flue gas : 8.03 m/s</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Details of Flue Gas</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Type of Fuel : Natural gas</td> </tr> <tr> <td>2</td> <td>Rate of Consumption : 9000 m3/h</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>PARAMETERS ANALYSED</th> <th>UNIT</th> <th>TEST METHOD</th> <th>PERMISSIBLE LIMIT (NOTE 2)</th> <th>RESULTS</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>PM @ 12% CO2</td> <td>mg/Nm3</td> <td>IS 11255 (Part 1):1985, RA2019</td> <td>120 BDL(DL=5)</td> </tr> <tr> <td>2</td> <td>SO2</td> <td>ppm</td> <td>IS 11255 (Part 2):1985, RA2019</td> <td>80 BDL(DL=3)</td> </tr> <tr> <td>3</td> <td>NOx</td> <td>ppm</td> <td>IS 11255 (Part 7):2005, RA2017</td> <td>40 13</td> </tr> </tbody> </table> <p>Additions to, deviations, or exclusions from the method :-None Results from external providers, if any :- None Any other remarks :-None Abbreviations used :- BDL(Below Detection Limit)</p> <p>Verified by:  Authorized Signatory:  Mrs. K. P. Shah / Mrs. M. Shah</p> <p>Notes : 1. Test results shall be referred to the tested sample(s) only and applicable parameter(s) only as requested by customer. 2. Permissible limits if mentioned in report are given by customer and included in the report upon request by customer. 3. Certificates of accreditation are available on lab's website with period of validity. If non-accredited parameters are analysed, their results are given on next page. 4. The opinions and Interpretations if mentioned in report are given upon request by customer and based upon material and information supplied by customer. 5. Perishable samples will be disposed after testing, for other samples, retention time is 15 days from the date of issue of test report, unless otherwise specified by customer or by applicable regulations 6. Laboratory has a complaint redressal system. Discrepancies if any in the test report must be brought to notice within 7 days of issue of test report. 7. This report shall not be used as evidence in the court of law and shall not be reproduced except in full, without prior written approval of Siddhi Green Excellence Pvt. Ltd.</p> <p style="text-align: center;">*** End of Report *** Page 1 of 1</p> <p>Format No. : SC/LAB/F/Report-03 Issue No. : 02 Issue Date : 31-01-2019 Revision No. : 02 Revision Date : 30-06-2020 www.siddhigreen.com</p> <p style="text-align: center;">GUJARAT'S : Reqd. Office : : Dabel Off. :</p> | SR.NO. | DESCRIPTION | FLUE GAS STACK EMISSION ANALYSIS | | Particulars of Sample | Stack No.1 | 1 | PCB ID of Stack | 95313 | 2 | Sample ID | 27728-FS-01 | 3 | Name of Stack | BOILER | 4 | Source | BOILER(10 TPH) GT 4423 | 5 | Date & Time of sampling | 17-05-2023 & 10:49 h | 6 | Date of Receipt | 17-05-2023 | 7 | Date of Analysis start | 18-05-2023 | 8 | Date of Completion | 19-05-2023 | Details of Stack | | 1 | Stack Height : 40 m | 2 | Stack Diameter : - | 3 | Temperature of Flue gas : 128 °C | 4 | Velocity of Flue gas : 8.03 m/s | Details of Flue Gas | | 1 | Type of Fuel : Natural gas | 2 | Rate of Consumption : 9000 m3/h | PARAMETERS ANALYSED | UNIT | TEST METHOD | PERMISSIBLE LIMIT (NOTE 2) | RESULTS | 1 | PM @ 12% CO2 | mg/Nm3 | IS 11255 (Part 1):1985, RA2019 | 120 BDL(DL=5) | 2 | SO2 | ppm | IS 11255 (Part 2):1985, RA2019 | 80 BDL(DL=3) | 3 | NOx | ppm | IS 11255 (Part 7):2005, RA2017 | 40 13 | Copy 1 of 2  |
| SR.NO. | DESCRIPTION | FLUE GAS STACK EMISSION ANALYSIS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Particulars of Sample | Stack No.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | PCB ID of Stack | 95313 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Sample ID | 27728-FS-01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Name of Stack | BOILER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Source | BOILER(10 TPH) GT 4423 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Date & Time of sampling | 17-05-2023 & 10:49 h | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Date of Receipt | 17-05-2023 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Date of Analysis start | 18-05-2023 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Date of Completion | 19-05-2023 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Details of Stack | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Stack Height : 40 m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Stack Diameter : - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Temperature of Flue gas : 128 °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Velocity of Flue gas : 8.03 m/s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Details of Flue Gas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Type of Fuel : Natural gas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Rate of Consumption : 9000 m3/h | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PARAMETERS ANALYSED | UNIT | TEST METHOD | PERMISSIBLE LIMIT (NOTE 2) | RESULTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | PM @ 12% CO2 | mg/Nm3 | IS 11255 (Part 1):1985, RA2019 | 120 BDL(DL=5) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | SO2 | ppm | IS 11255 (Part 2):1985, RA2019 | 80 BDL(DL=3) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | NOx | ppm | IS 11255 (Part 7):2005, RA2017 | 40 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Sr. No. | Conditions | Compliance Status |
|---------|--|---|
| | (xviii) 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. | The possible arrangement had been made for protection of possible fire hazard during mfg. process and material handling, The Fire hydrant system and fire extinguisher is made available throughout the premises and safe practices are adopted for handling and processing of flammable material |

SIX MONTHLY EC COMPLIANCE REPORT

| Sr. No. | Conditions | Compliance Status |
|---------|--|---|
| (xix) | <p>Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.</p> | <p>Presently, Pre-employment medical checkup of all employees and contract workers is carried out by FMO and records are maintained. Full medical checkup of all employees as well as contract workers is carried out Six-monthly and records are maintained. BCA testing for all</p> |



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| Sr. No. | Conditions | Compliance Status |
|---------|------------|---|
| | | employees & workers exposed to production & packaging of pesticides carried by LOVIBOND kit for all before joining and periodic testing-monthly test for contract workers and every 3 months for company employees. Health register in Form No.32 & certificate of fitness is issued to workers by FMO in Form No.33. Photograph of medical checkup report is attached below: |

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| Sr. No. | Conditions | Compliance Status |
|---------|---|--|
| | <p>online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.</p> <div style="display: flex; justify-content: space-around;">   </div> | |
| | (xxi) Mitigation measures suggested during process safety and risk assessment studies shall be undertaken accordingly. | Noted. |
| 11. | The grant of environmental clearance is subject to compliance of other general conditions, as under:- | Noted |
| 1 | (i) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board, Central pollution Control Board, State Government and any other statutory authority. | Noted and agreed. |
| | (ii) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any. | Noted |
| | (iii) The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated. | Unit carries out Ambient Air quality monitoring. Analysis results of the same is attached for reference: |
| | | |

SIX MONTHLY EC COMPLIANCE REPORT

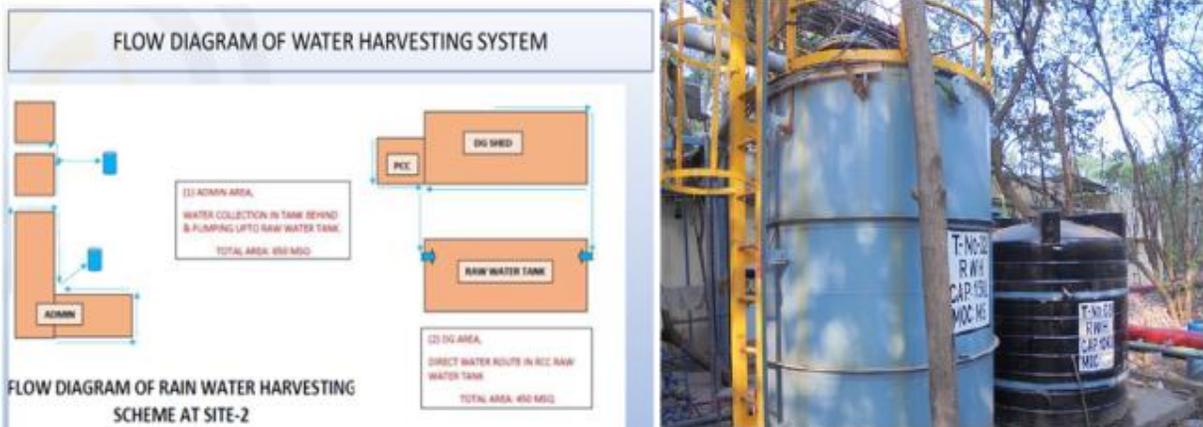
| Sr. No. | Conditions | Compliance Status |
|---------|--|--|
| | (iv) The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R.No. 826(E) Dated 16 th November,2009 shall be followed. | Unit follows The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R.No. 826(E) Dated 16 th November,2009 |
| | (v) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time). | Noise level measurement is carried out by GPCB recognized Schedule I Environment Auditor- Quarterly & by Third party recognized laboratory-Monthly Reports by Third-Party recognized lab is attached for reference |

SIX MONTHLY EC COMPLIANCE REPORT

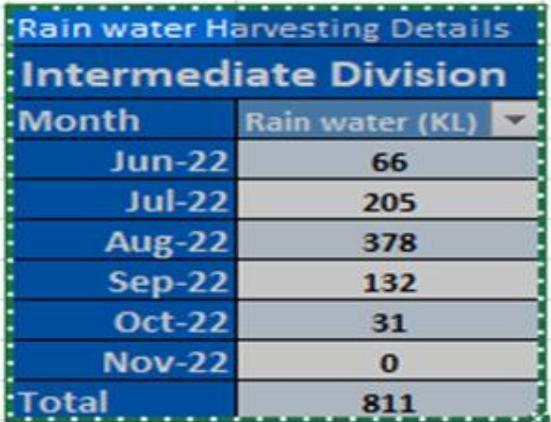
| Sr. No. | Conditions | Compliance Status | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| |  <p>Siddhi Green Excellence PRIVATE LIMITED</p> <p>TC-5007</p> <p>TEST REPORT OF AMBIENT NOISE MEASUREMENT</p> <p>REPORT NO. : SC/CILID/NL/MAY/2023/10 Date of Issue :23-05-2023</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Issued to</td> <td colspan="2">M/s. CHEMINOVA INDIA LTD. (INTERMEDIATE DIV.)</td> </tr> <tr> <td>Address</td> <td colspan="2">PLOT NO.27,28/A GIDC ESTATE:PANOLI, TA: ANKLESHWAR,DIST: BHARUCH-394116</td> </tr> <tr> <td>Site (where measured)</td> <td>same as above</td> <td>Sample ID 27728</td> </tr> <tr> <td>Date of Monitoring</td> <td>17-05-2023</td> <td>Measured By Mr. Ronil</td> </tr> <tr> <td>Instrument used</td> <td>Lutron make Noise Level Meter (Model No. SL-4030)</td> <td>Instrument ID SC-NM-06</td> </tr> <tr> <td>Frequency Weighing</td> <td>A</td> <td>Time Weighing FAST</td> </tr> <tr> <td colspan="3">Procedure : As per Work Instruction of Instrument and as per IS-9989:1981, windcover used during measurement.</td> </tr> <tr> <td colspan="2">Environmental Conditions:</td> <td>Season Summer</td> </tr> <tr> <td colspan="2">DAYTIME READINGS (6 AM TO 10 PM)</td> <td>NIGHT TIME READINGS (10 PM TO 6 AM)</td> </tr> <tr> <td>Time and Duration of Monitoring</td> <td>11:59 to 14:34 h</td> <td>Time and Duration of Monitoring 23:55 to 01:59 h</td> </tr> <tr> <td>Average Ambient Temperature, °C</td> <td>Average Wind speed, m/s</td> <td>Predominant Wind direction</td> </tr> <tr> <td>29</td> <td>2.8</td> <td>NE-SW</td> </tr> <tr> <td></td> <td></td> <td>Average Ambient Temperature, °C</td> </tr> <tr> <td></td> <td></td> <td>26</td> </tr> <tr> <td></td> <td></td> <td>Average Wind speed, m/s</td> </tr> <tr> <td></td> <td></td> <td>2.5</td> </tr> <tr> <td></td> <td></td> <td>Predominant Wind direction</td> </tr> <tr> <td></td> <td></td> <td>NE-SW</td> </tr> <tr> <th>SR.NO.</th> <th>LOCATION</th> <th>READING NO.</th> <th>NOISE LEVEL dB(A) DAY TIME</th> <th>READING NO.</th> <th>NOISE LEVEL dB(A) NIGHT TIME</th> </tr> <tr> <td>1</td> <td>Near Main Gate</td> <td>NL-01</td> <td>60</td> <td>NL-11</td> <td>54</td> </tr> <tr> <td>2</td> <td>Near ETP Area</td> <td>NL-02</td> <td>72</td> <td>NL-12</td> <td>65</td> </tr> <tr> <td>3</td> <td>Near SBS Plant</td> <td>NL-03</td> <td>69</td> <td>NL-13</td> <td>63</td> </tr> <tr> <td>4</td> <td>Near Boiler</td> <td>NL-04</td> <td>69</td> <td>NL-14</td> <td>63</td> </tr> <tr> <td>5</td> <td>Near Admin area</td> <td>NL-05</td> <td>61</td> <td>NL-15</td> <td>56</td> </tr> <tr> <td>6</td> <td>Near DG set</td> <td>NL-06</td> <td>60</td> <td>NL-16</td> <td>52</td> </tr> <tr> <td>7</td> <td>Near Chlorine yard</td> <td>NL-07</td> <td>65</td> <td>NL-17</td> <td>59</td> </tr> <tr> <td>8</td> <td>Near P0 Plant</td> <td>NL-08</td> <td>70</td> <td>NL-18</td> <td>64</td> </tr> <tr> <td>9</td> <td>Near P1 Plant</td> <td>NL-09</td> <td>73</td> <td>NL-19</td> <td>67</td> </tr> <tr> <td>10</td> <td>Near P2 Plant</td> <td>NL-10</td> <td>69</td> <td>NL-20</td> <td>65</td> </tr> <tr> <td colspan="6">Permissible Limit for industrial area as per schedule of Noise Pollution (Regulation and Control) Rules, 2000</td> </tr> <tr> <td colspan="3">for Day Time In dB(A) Leq (6 AM TO 10 PM) : - 75</td> <td colspan="3">for Night Time In dB(A) Leq (10 PM TO 06 AM) : - 70</td> </tr> <tr> <td colspan="6">Additions, deviations, or exclusions from the method :-None</td> </tr> <tr> <td colspan="6">Results from external providers, if any :-None</td> </tr> <tr> <td colspan="6">Any other remarks :- None</td> </tr> <tr> <td colspan="6">Abbreviations used :- None</td> </tr> <tr> <td colspan="2">Verified by </td> <td colspan="4">Authorized Signatory  Mrs. K. P. Shah/M. P. M. Shah</td> </tr> <tr> <td colspan="6"> <p>Notes : 1. Test results shall be referred to the tested sample(s) only and applicable parameter(s) only.</p> <p>2. Permissible limits if mentioned in report are given by customer and included in the report upon request by customer.</p> <p>3. Certificates of accreditation are available on lab's website with period of validity. If non-accredited parameters are analysed, their results are given on next page.</p> <p>4. The opinions and interpretations if mentioned in report are given upon request by customer and based upon material and information supplied by customer.</p> <p>5. Laboratory has a complaint redressal system. Discrepancies if any in the test report must be brought to notice within 7 days of issue of test report.</p> <p>6. This report shall not be used as evidence in the court of law and shall not be reproduced except in full, without prior written approval of Siddhi Green Excellence Pvt. Ltd.</p> </td> </tr> <tr> <td colspan="6" style="text-align: center;"> <p>*** End of Report ***</p> <p>Page 1 of 1</p> <p>Format No. : SC/LAB/F/Report-06 Issue No. : 02 Issue Date : 31-01-2019 Revision No. : 05 Revision Date : 09-04-2022</p> <p>www.siddhigreen.com</p> </td> </tr> </table> | Issued to | M/s. CHEMINOVA INDIA LTD. (INTERMEDIATE DIV.) | | Address | PLOT NO.27,28/A GIDC ESTATE:PANOLI, TA: ANKLESHWAR,DIST: BHARUCH-394116 | | Site (where measured) | same as above | Sample ID 27728 | Date of Monitoring | 17-05-2023 | Measured By Mr. Ronil | Instrument used | Lutron make Noise Level Meter (Model No. SL-4030) | Instrument ID SC-NM-06 | Frequency Weighing | A | Time Weighing FAST | Procedure : As per Work Instruction of Instrument and as per IS-9989:1981, windcover used during measurement. | | | Environmental Conditions: | | Season Summer | DAYTIME READINGS (6 AM TO 10 PM) | | NIGHT TIME READINGS (10 PM TO 6 AM) | Time and Duration of Monitoring | 11:59 to 14:34 h | Time and Duration of Monitoring 23:55 to 01:59 h | Average Ambient Temperature, °C | Average Wind speed, m/s | Predominant Wind direction | 29 | 2.8 | NE-SW | | | Average Ambient Temperature, °C | | | 26 | | | Average Wind speed, m/s | | | 2.5 | | | Predominant Wind direction | | | NE-SW | SR.NO. | LOCATION | READING NO. | NOISE LEVEL dB(A) DAY TIME | READING NO. | NOISE LEVEL dB(A) NIGHT TIME | 1 | Near Main Gate | NL-01 | 60 | NL-11 | 54 | 2 | Near ETP Area | NL-02 | 72 | NL-12 | 65 | 3 | Near SBS Plant | NL-03 | 69 | NL-13 | 63 | 4 | Near Boiler | NL-04 | 69 | NL-14 | 63 | 5 | Near Admin area | NL-05 | 61 | NL-15 | 56 | 6 | Near DG set | NL-06 | 60 | NL-16 | 52 | 7 | Near Chlorine yard | NL-07 | 65 | NL-17 | 59 | 8 | Near P0 Plant | NL-08 | 70 | NL-18 | 64 | 9 | Near P1 Plant | NL-09 | 73 | NL-19 | 67 | 10 | Near P2 Plant | NL-10 | 69 | NL-20 | 65 | Permissible Limit for industrial area as per schedule of Noise Pollution (Regulation and Control) Rules, 2000 | | | | | | for Day Time In dB(A) Leq (6 AM TO 10 PM) : - 75 | | | for Night Time In dB(A) Leq (10 PM TO 06 AM) : - 70 | | | Additions, deviations, or exclusions from the method :-None | | | | | | Results from external providers, if any :-None | | | | | | Any other remarks :- None | | | | | | Abbreviations used :- None | | | | | | Verified by  | | Authorized Signatory  Mrs. K. P. Shah/M. P. M. Shah | | | | <p>Notes : 1. Test results shall be referred to the tested sample(s) only and applicable parameter(s) only.</p> <p>2. Permissible limits if mentioned in report are given by customer and included in the report upon request by customer.</p> <p>3. Certificates of accreditation are available on lab's website with period of validity. If non-accredited parameters are analysed, their results are given on next page.</p> <p>4. The opinions and interpretations if mentioned in report are given upon request by customer and based upon material and information supplied by customer.</p> <p>5. Laboratory has a complaint redressal system. Discrepancies if any in the test report must be brought to notice within 7 days of issue of test report.</p> <p>6. This report shall not be used as evidence in the court of law and shall not be reproduced except in full, without prior written approval of Siddhi Green Excellence Pvt. Ltd.</p> | | | | | | <p>*** End of Report ***</p> <p>Page 1 of 1</p> <p>Format No. : SC/LAB/F/Report-06 Issue No. : 02 Issue Date : 31-01-2019 Revision No. : 05 Revision Date : 09-04-2022</p> <p>www.siddhigreen.com</p> | | | | | |
| Issued to | M/s. CHEMINOVA INDIA LTD. (INTERMEDIATE DIV.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Address | PLOT NO.27,28/A GIDC ESTATE:PANOLI, TA: ANKLESHWAR,DIST: BHARUCH-394116 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Site (where measured) | same as above | Sample ID 27728 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Date of Monitoring | 17-05-2023 | Measured By Mr. Ronil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Instrument used | Lutron make Noise Level Meter (Model No. SL-4030) | Instrument ID SC-NM-06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Frequency Weighing | A | Time Weighing FAST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Procedure : As per Work Instruction of Instrument and as per IS-9989:1981, windcover used during measurement. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Environmental Conditions: | | Season Summer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DAYTIME READINGS (6 AM TO 10 PM) | | NIGHT TIME READINGS (10 PM TO 6 AM) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Time and Duration of Monitoring | 11:59 to 14:34 h | Time and Duration of Monitoring 23:55 to 01:59 h | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Average Ambient Temperature, °C | Average Wind speed, m/s | Predominant Wind direction | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | 2.8 | NE-SW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Average Ambient Temperature, °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Average Wind speed, m/s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Predominant Wind direction | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | NE-SW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SR.NO. | LOCATION | READING NO. | NOISE LEVEL dB(A) DAY TIME | READING NO. | NOISE LEVEL dB(A) NIGHT TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Near Main Gate | NL-01 | 60 | NL-11 | 54 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Near ETP Area | NL-02 | 72 | NL-12 | 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Near SBS Plant | NL-03 | 69 | NL-13 | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Near Boiler | NL-04 | 69 | NL-14 | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Near Admin area | NL-05 | 61 | NL-15 | 56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Near DG set | NL-06 | 60 | NL-16 | 52 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Near Chlorine yard | NL-07 | 65 | NL-17 | 59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Near P0 Plant | NL-08 | 70 | NL-18 | 64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Near P1 Plant | NL-09 | 73 | NL-19 | 67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Near P2 Plant | NL-10 | 69 | NL-20 | 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Permissible Limit for industrial area as per schedule of Noise Pollution (Regulation and Control) Rules, 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| for Day Time In dB(A) Leq (6 AM TO 10 PM) : - 75 | | | for Night Time In dB(A) Leq (10 PM TO 06 AM) : - 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Additions, deviations, or exclusions from the method :-None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Results from external providers, if any :-None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Any other remarks :- None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Abbreviations used :- None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Verified by  | | Authorized Signatory  Mrs. K. P. Shah/M. P. M. Shah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Notes : 1. Test results shall be referred to the tested sample(s) only and applicable parameter(s) only.</p> <p>2. Permissible limits if mentioned in report are given by customer and included in the report upon request by customer.</p> <p>3. Certificates of accreditation are available on lab's website with period of validity. If non-accredited parameters are analysed, their results are given on next page.</p> <p>4. The opinions and interpretations if mentioned in report are given upon request by customer and based upon material and information supplied by customer.</p> <p>5. Laboratory has a complaint redressal system. Discrepancies if any in the test report must be brought to notice within 7 days of issue of test report.</p> <p>6. This report shall not be used as evidence in the court of law and shall not be reproduced except in full, without prior written approval of Siddhi Green Excellence Pvt. Ltd.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>*** End of Report ***</p> <p>Page 1 of 1</p> <p>Format No. : SC/LAB/F/Report-06 Issue No. : 02 Issue Date : 31-01-2019 Revision No. : 05 Revision Date : 09-04-2022</p> <p>www.siddhigreen.com</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

 |

SIX MONTHLY EC COMPLIANCE REPORT

| Sr. No. | Conditions | Compliance Status |
|---------|--|--|
| | <p>(vi) The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.</p> | <p>The rain water harvesting work as a roof rain water harvest program inside premises @ 1100 sq. m. roof of office building and DG-PCC building is selected for this project. More than 900 KL water can be gained from rain fall every year which will reduce our demand of the raw water from the GIDC and also will save our valuable water resource. Copy of the flow diagram of water harvesting system is attached. Unit is in talks with GIDC regarding off-site rainwater harvesting and planning for the same.</p> |
| |  <p>The image contains a flow diagram titled 'FLOW DIAGRAM OF WATER HARVESTING SYSTEM' and 'FLOW DIAGRAM OF RAIN WATER HARVESTING SCHEME AT SITE-2'. The diagram shows two main areas: (I) ADMIN AREA with a total area of 450 MSQ, where water is collected in a tank behind the building and pumped into a 'RAW WATER TANK'; and (II) DG AREA with a total area of 450 MSQ, where water is collected directly into a 'RAW WATER TANK'. A 'PCC' (Process Control Chamber) is also shown connected to the 'RAW WATER TANK'. To the right of the diagram is a photograph of the physical installation, showing a large blue cylindrical tank and a smaller black cylindrical tank, both with labels that include 'RAW WATER TANK' and 'CAP 1500 LITERS'.</p> | |

SIX MONTHLY EC COMPLIANCE REPORT

| Sr. No. | Conditions | Compliance Status | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|--|--|--|-----------------------|--|-------|-----------------|--------|----|--------|-----|--------|-----|--------|-----|--------|----|--------|---|-------|-----|--|
| |  <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2" style="background-color: #0056b3; color: white;">Rain water Harvesting Details</th> </tr> <tr> <th colspan="2" style="background-color: #0056b3; color: white;">Intermediate Division</th> </tr> <tr> <th style="background-color: #0056b3; color: white;">Month</th> <th style="background-color: #0056b3; color: white;">Rain water (KL)</th> </tr> </thead> <tbody> <tr> <td style="background-color: #0056b3; color: white;">Jun-22</td> <td style="text-align: center;">66</td> </tr> <tr> <td style="background-color: #0056b3; color: white;">Jul-22</td> <td style="text-align: center;">205</td> </tr> <tr> <td style="background-color: #0056b3; color: white;">Aug-22</td> <td style="text-align: center;">378</td> </tr> <tr> <td style="background-color: #0056b3; color: white;">Sep-22</td> <td style="text-align: center;">132</td> </tr> <tr> <td style="background-color: #0056b3; color: white;">Oct-22</td> <td style="text-align: center;">31</td> </tr> <tr> <td style="background-color: #0056b3; color: white;">Nov-22</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #0056b3; color: white;">Total</td> <td style="text-align: center;">811</td> </tr> </tbody> </table> | Rain water Harvesting Details | | Intermediate Division | | Month | Rain water (KL) | Jun-22 | 66 | Jul-22 | 205 | Aug-22 | 378 | Sep-22 | 132 | Oct-22 | 31 | Nov-22 | 0 | Total | 811 | |
| Rain water Harvesting Details | | | | | | | | | | | | | | | | | | | | | | |
| Intermediate Division | | | | | | | | | | | | | | | | | | | | | | |
| Month | Rain water (KL) | | | | | | | | | | | | | | | | | | | | | |
| Jun-22 | 66 | | | | | | | | | | | | | | | | | | | | | |
| Jul-22 | 205 | | | | | | | | | | | | | | | | | | | | | |
| Aug-22 | 378 | | | | | | | | | | | | | | | | | | | | | |
| Sep-22 | 132 | | | | | | | | | | | | | | | | | | | | | |
| Oct-22 | 31 | | | | | | | | | | | | | | | | | | | | | |
| Nov-22 | 0 | | | | | | | | | | | | | | | | | | | | | |
| Total | 811 | | | | | | | | | | | | | | | | | | | | | |
| | (vii) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted. | Unit complies with the given condition. Regular training is imparted to all employees. | | | | | | | | | | | | | | | | | | | | |
| | (viii) The company shall also 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. | Unit shall follow the given condition. | | | | | | | | | | | | | | | | | | | | |
| | (ix) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. ESC activities shall be undertaken by involving local villages and administration. | Unit shall follow the given condition. | | | | | | | | | | | | | | | | | | | | |
| | (x) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. | Unit shall follow the given condition. | | | | | | | | | | | | | | | | | | | | |
| | (xi) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the state Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose. | Unit commits that funds earmarked for environment management/ pollution control measures shall not be diverted for any other purpose | | | | | | | | | | | | | | | | | | | | |
| | (xii) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. | Complied. | | | | | | | | | | | | | | | | | | | | |
| | (xiii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) | Unit regularly submits six-month report to the respective Regional Office of MoEF&CC, the respective Zonal | | | | | | | | | | | | | | | | | | | | |

SIX MONTHLY EC COMPLIANCE REPORT

| Sr. No. | Conditions | Compliance Status |
|---------|---|--|
| | 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 reports shall be posted on the website of the company. | Office of CPCB and SPCB. A copy of EC and six-monthly compliance status report is posted on the website of the company as well as regularly upload EC Compliance on PARIVESH Portal. |
| | (xiv) The environmental statement for each financial year ending 31 st march in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the environment (protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail. | Unit is complying with the given condition. Form-V is regularly submitted to SPCB for each financial year. Copy of Form-V is attached as Annexure-5. |
| | (xv) The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://moef.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry. | Complied. EC advertisement in two local newspapers in the vernacular language of the locality concerned has been done. Newspaper cutouts of the same are attached below: |
| |  |  |
| | (xvi) The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project. | Noted. |
| 12. | The ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory. | Noted and agreed. |

SIX MONTHLY EC COMPLIANCE REPORT

| Sr. No. | Conditions | Compliance Status |
|---------|--|-------------------|
| 13. | Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986. | Noted. |
| 14. | Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010. | Noted. |
| 15. | The above conditions will be enforced, inter alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules. | Noted. |
| 16. | This issue with approval of the competent authority. | Noted. |

Annexure 2 -Compliance report of CC&A/CTO and its Amendment

CCA amendment no.: AWH-118963 dated 05/09/2022, issued vide letter no. GPCB/ANK/CCA-115(13) ID-15016/682174, valid up to 04/03/2027.

SIX MONTHLY EC COMPLIANCE REPORT

| Sr. No. | Consent Condition Requirement | | | | Compliance Status | | | | | | | | | | | | | | | | |
|--------------------|---|------------|---------|----------------------------|---|--------------------|--|-------|----------------|---------------|---------|--------------|---------|---------------|---------|------------|---------|------------|---------|----------|---------|
| 1. | The list of proposed products to be manufactured shall be as follows. | | | | Unit is complying with the given condition. Monthly production details are as mentioned below: <table border="1" style="margin-top: 10px; width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">Production Details</th> </tr> <tr> <th style="width: 60%;">Month</th> <th style="width: 40%;">Quantity (MTM)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">December 2022</td> <td style="text-align: center;">434.000</td> </tr> <tr> <td style="text-align: center;">January 2023</td> <td style="text-align: center;">408.000</td> </tr> <tr> <td style="text-align: center;">February 2023</td> <td style="text-align: center;">532.430</td> </tr> <tr> <td style="text-align: center;">March 2023</td> <td style="text-align: center;">507.150</td> </tr> <tr> <td style="text-align: center;">April 2023</td> <td style="text-align: center;">482.630</td> </tr> <tr> <td style="text-align: center;">May 2023</td> <td style="text-align: center;">463.206</td> </tr> </tbody> </table> | Production Details | | Month | Quantity (MTM) | December 2022 | 434.000 | January 2023 | 408.000 | February 2023 | 532.430 | March 2023 | 507.150 | April 2023 | 482.630 | May 2023 | 463.206 |
| Production Details | | | | | | | | | | | | | | | | | | | | | |
| Month | Quantity (MTM) | | | | | | | | | | | | | | | | | | | | |
| December 2022 | 434.000 | | | | | | | | | | | | | | | | | | | | |
| January 2023 | 408.000 | | | | | | | | | | | | | | | | | | | | |
| February 2023 | 532.430 | | | | | | | | | | | | | | | | | | | | |
| March 2023 | 507.150 | | | | | | | | | | | | | | | | | | | | |
| April 2023 | 482.630 | | | | | | | | | | | | | | | | | | | | |
| May 2023 | 463.206 | | | | | | | | | | | | | | | | | | | | |
| Sr. No. | Name of The Product | Existing | Applied | Total after CC&A Amendment | | | | | | | | | | | | | | | | | |
| | | MT / Annum | | | | | | | | | | | | | | | | | | | |
| 1. | Phosphorus Trichloride (PCl ₃) / Phosphoryl chloride (POCl ₃) | 1000 | - | 1000 | | | | | | | | | | | | | | | | | |
| 2. | Tri methyl Phosphite (TMP) or Tri ethyl Phosphite (TEP) | 100 | - | 100 | | | | | | | | | | | | | | | | | |
| 3. | Diethyl Thio Phosphoryl Chloride (DETPC) /Sodium salt of Diethyl Thio Phosphoryl Chloride (Na-DETA) | 5330 | 2670 | 8000 | | | | | | | | | | | | | | | | | |
| 4. | Cyhalothrin Acid | 250 | - | 250 | | | | | | | | | | | | | | | | | |
| 5. | Phosphorus Penta Sulphide (P ₂ S ₅) | 3400 | - | 3400 | | | | | | | | | | | | | | | | | |
| 6. | Fluindapyr (F 9990) | 150 | 1200 | 1350 | | | | | | | | | | | | | | | | | |
| 7. | Bixlozone (F9600) | 960 | 4200 | 5160 | | | | | | | | | | | | | | | | | |
| 8. | Acid based products [2-bromobutyric Acid (int), amino acid (int), ethyl 2-(4-hydroxy phenoxy) propionate (O-HPPA) (int), Thiocyclam (I), Bispyribac-Sodium (H), Pyriithiobac-Sodium(H), Methoxy Amine Hydrochloride (int), 2-hydroxyphenyl Acetic Acid (HPAA) (int)] etc. | 150 | - | 150 | | | | | | | | | | | | | | | | | |
| 9. | Amide group based products [Pretilachlor (H), Captan (F), Cymoxanil (F), Beflubutamide (H), Pethoxamide (H), Carboxin (F), Flubendamide (I), Chlorantraniliprole (I), Thiaflusamide (F), Zoxamide (F), Flufenacet (H), 2 Aminosulfonyl-N-N- Dimethylnicotinamide (SNA) (int), 2-(Methoxycarbonyl) thiophene thiophene-3 Sulfonamide (MST) (Int)] etc. | 150 | - | 150 | | | | | | | | | | | | | | | | | |
| 10. | Azine group based product Fenpyroximate (I), Metribuzin (H), Pymetrozine (I), Arnitraz (I), Indoxacarb (I), Clofentezine (I), 2 Methoxy- 4 - Methyl-6-Methylamino-1,3,5-Triazine (MMMT) (Int)] etc. | 300 | - | 300 | | | | | | | | | | | | | | | | | |
| 11. | Azole group based products | 200 | - | 200 | | | | | | | | | | | | | | | | | |

SIX MONTHLY EC COMPLIANCE REPORT

| CCA amendment no.: AWH-118963 dated 05/09/2022, issued vide letter no. GPCB/ANK/CCA-115(13) ID-15016/682174, valid up to 04/03/2027. | | | | | | |
|--|-------------------------------|--|------|---|------|-------------------|
| Sr. No. | Consent Condition Requirement | | | | | Compliance Status |
| | | [Fipronil (I), Hexaconazole (F), Propiconazole (F), Difenoconazole (F), Tricydazole (F), Myclobutanil (F), Florasulam (H), Tebuconazole (F), Flusilazole (F), Tebuconazole (F), Tridemefon, Paclobutrazol (F), Thiamethoxam (I), Flutriafol (F), (Safener Isoxadifen ethyl (Int), Irridacloprid (I), 2, 6 DiChloroBenzoxazolone (Int), Penoxasulam (H)] etc. | | | | |
| 12. | | Carbamate group based product [Thiodicarb (I), Propineb (F), Metiram (F), Thiram (F), Cartaphydrochloride (I), Thiophanate Methyl (F)] etc. | 500 | - | 500 | |
| 13. | | Ester group based products [Fenoxaprop-p-Et (H), Clodinafop-Pr (H), Quizolfop-p-ethyl (H), Quinzolfop-p-terfuryl (H), Cyhalofop (H), Isoprothiolane (F), Alphamethrin (I), Lambda Cyhathrin (I), Cypermethrin (I), Bifenazate (I), Phthalide (Int)] etc. | 300 | - | 300 | |
| 14. | | Ether group based products [Propargite (I), oxyfiorfen (H), S- Cyano MPB (Int), 2 Ethoxy Ethyl Amine (Int)] etc. | 200 | - | 200 | |
| 15. | | Ketone group based product [Mesotrione (H), Suctioned (H), Isoxanutole (H), Dimethomorph (F), Isobutyrophenone (IBP) (Int)] etc. | 1200 | - | 1200 | |
| 16. | | Phosphate group based product [Chlorpyrifos (I) or its intermediate Na-TCP (Int), Acephate (I), Monocrotophos (I) or its intermediates MCMMAA (Int.), Dimethoate (I), Profenofos (I), Ethephon (PGR)] etc. | 5000 | - | 5000 | |
| 17. | | Pyridine group based product [Pyridalyl (I), Imazethapyr (H) CloquintocctMexyl (H), Acetamiprid (I), 4, 6-DiChloro Pyridine (Int)], Azoxvstrobilin (F) etc | 250 | - | 250 | |
| 18. | | Urea group based product [Buprofezin (I), Lufenuron (I), Linuron (H), Diafenthuron (I), Diuron (H), Novaluron (I), Chlorimuron (int), Hexythiazox (I), Spiromesifen (I), Azimsulfuron (H)] | 100 | - | 100 | |

SIX MONTHLY EC COMPLIANCE REPORT

| CCA amendment no.: AWH-118963 dated 05/09/2022, issued vide letter no. GPCB/ANK/CCA-115(13) ID-15016/682174, valid up to 04/03/2027. | | | | | | |
|--|---|-------------------|---|-------|---|--|
| Sr. No. | Consent Condition Requirement | | | | | Compliance Status |
| | | 19. | ,SulfonylUreas (H)] etc. Phenol group based product [2- Cyanophenol (Int), 4- Fluro-3 trilluromethylphenole (Int)] etc. | 75 | - | 75 |
| 2 | SPECIFIC CONDITIONS | | | | | |
| a. | Unit shall comply with all the conditions stipulated by MOEF in the order of Environment Clearance issued vide letter no. IA/J-11011/53/2018-IA-II(I), dated:31/12/2019. | | | | | Noted and complied. |
| b. | Unit shall maintain ZLD | | | | | Unit is maintaining ZLD. |
| c. | Unit shall use fresh raw materials only. | | | | | Complied. Unit is using fresh raw material only. |
| d. | Unit shall sell out their hazardous waste to authorized end users who is having authorization with valid CCA and rule 9 permission to receive this waste. Unit shall make MoU with such authorized endusers and submit MoU. | | | | | The hazardous waste is sold to authorized end-users having valid CCA and rule-9 permission. MoU has been prepared to sell of hazardous waste. |
| e. | All the efforts shall be made to send hazardous waste to cement industry for co-processing first & there after it shall be disposed through other option. | | | | | Complied. |
| f. | Unit shall follow spent solvent management guideline framed by board and shall make MoU with outside distillation units, if any. Also submit the prescribed forms as per guideline. | | | | | Spent solvent management guidelines are followed. |
| g. | Unit shall strictly follow the Solid Fuel guideline framed by Board and shall install APCM as per guideline. | | | | | Noted and complied. |
| h. | Unit shall follow coal handling guideline framed by Board and provide close ash handling facility. | | | | | Unit will try to comply with this condition whenever required. Presently unit is used Natural Gas and Bagasse/ Groundnut shell/ Briquettes. |
| i. | Unit shall strictly follow the Fly Ash Notification for disposal of generated ash. | | | | | Complied. |
| j. | Unit shall install online Continuous Emission Monitoring Systems (CEMS) and link it with the server of GPCB for real time data transfer for boiler more than 8 TPH capacity or equivalent capacity of TFH. | | | | | Unit is making efforts to implement this condition. |
| 3 | CONDITION UNDER THE WATER ACT: | | | | | |
| 3.1 | The condition No. 3.3 for water consumption under Water Act of the CCA order No. AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 is amended and shall now be read as under. | | | | | Complied. Water consumption is well within limits as per the condition. Water consumption details for period December 2022 to May 2023 is given below: |
| | Water (Qty: KL/day) | Water Consumption | | | | |
| | | Existing | Proposed | Total | | |
| | Domestic | 25 | - | 25 | | Details of Water Consumption |

SIX MONTHLY EC COMPLIANCE REPORT

| CCA amendment no.: AWH-118963 dated 05/09/2022, issued vide letter no. GPCB/ANK/CCA-115(13) ID-15016/682174, valid up to 04/03/2027. | | | | | | | |
|--|---|--|-------------------------|------------------------------------|---|----------|-------------------------|
| Sr. No. | Consent Condition Requirement | | | | Compliance Status | | |
| | Industrial | 423 | 280 | 703 (348 KLD fresh+ 355 KLD reuse) | Month | KL/Month | |
| | Gardening | 25 | - | 25 | December 2022 | 9924 | |
| | Total | 473 | 280 | 753 | January 2023 | 9881 | |
| | | | | | February 2023 | 11063 | |
| | | | | | March 2023 | 11361 | |
| | | | | | April 2023 | 12599 | |
| | | | | | May 2023 | 13444 | |
| 3.2 | The condition No. 3.1 & 3.2 for wastewater Generation under Water Act of the CCA order No.AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 is amended and shall now be read as under. | | | | Noted & Complied. | | |
| | Water (Qty: KL/day) | Waste Water Generation | | | | | |
| | | Existing | Proposed | Total | | | |
| | Domestic | 25 | - | 25 | | | |
| | Industrial | 176 | 219 | 395 | | | |
| | Total | 201 | 219 | 420 | | | |
| 3.3 | Mode of disposal of wastewater: a) 395 KLD industrial effluent to be treated in ETP, RO and MEE. Condensate water reused for process and washing. Hence, unit shall maintain ZLD. b) Sewage shall be disposed off through Septic tank/ Soak pit system or shall be treated separately in Sewage treatment plant (STP) to conform the following standards and treated sewage shall be utilized on land for irrigation/ plantation. | | | | Unit is maintaining this ZLD condition thoroughly. | | |
| | Sr. No. | Parameters | Permissible Limit | | | | |
| | 1 | Biochemical Oxygen Demand, BOD ₃ , 27°C | 20 mg/L | | | | |
| | 2 | Total Suspended Solids | 30 mg/L | | | | |
| | 3 | Total Residual Chlorine | Minimum 0.5 ppm | | | | |
| 4 | CONDITIONS UNDER THE AIR ACT. | | | | | | |
| 4.1 | The condition No. 4.1 for Fuel consumption under Air Act of the CCA order No. AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 is amended and shall now be read as under. | | | | Complied. Unit is following the given condition for fuel consumption. | | |
| | Sr. No. | Name of fuel | Quantity | | | | |
| | | | Existing | Proposed | | | Total |
| | 1 | Natural Gas | 9000 m ³ /hr | -- | | | 9000 m ³ /hr |
| | 2 | HSD | 90 Lit/hr | 301.7 lit/hr | 391.7 Lit/hr | | |
| | 3 | Bagasse/ Groundnut Shell/ Briquettes | 2970 kg/hr | -- | 2970 kg/hr | | |

SIX MONTHLY EC COMPLIANCE REPORT

| CCA amendment no.: AWH-118963 dated 05/09/2022, issued vide letter no. GPCB/ANK/CCA-115(13) ID-15016/682174, valid up to 04/03/2027. | | | | | | | |
|--|---|-----------------------------|---|--|---|--|----------------------------------|
| Sr. No. | Consent Condition Requirement | | | | | Compliance Status | |
| | *Unit shall not use FO as fuel. | | | | | | |
| 4.2 | The condition No. 4.2 for Flue gas stacks under Air Act of the CCA order No. AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 is amended and shall now be read as under. | | | | | Complied. Unit is following the given condition for flue gas stack emission. Analysis Report Copy attached as below: | |
| | Stack No. | Stack Attached To | Stack height in meter | Parameter | Permissible limits | | Air pollution Control measures |
| | Existing | | | | | | |
| | 1. | Boiler 10 TPH & OR | 32 | PM SO ₂ NO _x | 150 mg/Nm ³ 100 ppm 50 ppm | | -- |
| | 2. | Boiler 10 TPH | | | | | -- |
| | 3. | D.G Set (Cap-1250 KVA) | 09 | | | | -- |
| | 4. | Boiler 18 TPH | 40 | | | | Dust Collector, Bag Filter |
| | 5. | Incinerator | 45 | | | | Alkali scrubber + water scrubber |
| | Treated flue gas emissions discharge through stack of Incinerator to atmosphere shall always be less than or equal to the following parameter-specific emission standards: | | | | | | |
| | Parameters | Emission Standard | Sampling Duration | | | | |
| | Particulates | 50 mg/Nm ³ | 30 minutes | | | | |
| | HCl | 50 mg/Nm ³ | 30 minutes | | | | |
| | SO ₂ | 200 mg/Nm ³ | 30 minutes | | | | |
| | CO | 100 mg/Nm ³ | 30 minutes | | | | |
| | | 50 mg/Nm ³ | Standard refers to daily average value | | | | |
| | Total Organic Carbon | 20 mg/Nm ³ | 30 minutes | | | | |
| | HF | 4 mg/Nm ³ | 30 minutes | | | | |
| | NO _x (NO and NO ₂ expressed as NO ₂) | 400 mg/Nm ³ | 30 minutes | | | | |
| | Total dioxins and furans | 0.1 ng TEQ/ Nm ³ | 6-8 hours sampling. Please refer guidelines for 17 concerned congeners for toxic equivalence values to arrive to total toxic equivalence. | | | | |

SIX MONTHLY EC COMPLIANCE REPORT

| CCA amendment no.: AWH-118963 dated 05/09/2022, issued vide letter no. GPCB/ANK/CCA-115(13) ID-15016/682174, valid up to 04/03/2027. | | | | | | |
|--|--|------------------------------------|---|---|--|---|
| Sr. No. | Consent Condition Requirement | | | | | Compliance Status |
| | Cd + Th + their compounds | 0.05 mg/Nm ³ | Sampling time anywhere between 30 minutes and 8 hours | | | |
| | Hg and Its compounds | 0.05 mg/Nm ³ | Sampling time anywhere between 30 minutes and 8 hours | | | |
| | Sb + As + Pb + Cr + Co + Cu + Mn + Ni + V + their compounds | 0.5 mg/Nm ³ | Sampling time anywhere between 30 minutes and 8 hours | | | |
| NOTE: All values of outlet parameters of incinerator shall be corrected to 11% oxygen on a dry basis. | | | | | | |
| Proposed | | | | | | |
| 1. | D.G Set (Cap - 1500 KVA) | 30 | -- | PM SO ₂ NO _x | 150 mg/Nm ³ 100 ppm 50 ppm | |
| 4.3 | The condition No. 4.3 for Process gas stacks under Air Act of the CCA order No. AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 is amended and shall now be read as under. | | | | | Complied. Unit is following the given condition for process gas stacks emissions. Analysis Report Copy attached as below: |
| | Stack No. | Stack Attached To | Stack height in meter | Air pollution Control measures | Parameter | Permissible limits |
| Existing | | | | | | |
| | 1. | Reactor of TMP Plant | 15 | Water and caustic scrubber | NH ₃ | 175 mg/Nm ³ |
| | 2. | Reactor of PCl ₃ Plant | 15 | Alkali Scrubber | HCl Cl ₂ | 20 mg/Nm ³ 09 mg/Nm ³ |
| | 3. | Emergency vent of PCl ₃ | 15 | Alkali Scrubber | HCl Cl ₂ | 20 mg/Nm ³ 09 mg/Nm ³ |
| | 4. | Sulphur Furnace | 45 | Water Scrubber + Alkali Scrubber (Dhal Chamber) | PM HCl SO ₂ NO _x Cl ₂ H ₂ S | 150 mg/Nm ³ 20 mg/Nm ³ 40 mg/Nm ³ 25 mg/Nm ³ 09 mg/Nm ³ 45 mg/Nm ³ |

SIX MONTHLY EC COMPLIANCE REPORT

| CCA amendment no.: AWH-118963 dated 05/09/2022, issued vide letter no. GPCB/ANK/CCA-115(13) ID-15016/682174, valid up to 04/03/2027. | | | | | | |
|--|--|----|---------------------------|------------------------|--|------------------------|
| Sr. No. | Consent Condition Requirement | | | | | Compliance Status |
| | | | | | CO | 150 mg/Nm ³ |
| | Proposed | | | | | |
| 1. | Chlorine Yard | 11 | Alkali Scrubber | HCl Cl ₂ | 20 mg/Nm ³ 09 mg/Nm ³ | |
| 2. | F9990 step 5 reactor F9990 step 6 reactor | 11 | Water and Alkali Scrubber | HCl SO ₂ | 20 mg/Nm ³ 40 mg/Nm ³ | |
| 3. | Florasulam Plant | 11 | Alkali Scrubber | HCl | 20 mg/Nm ³ | |
| 4. | Laboratory | 11 | Alkali Scrubber | Acid Mist | - | |
| 5. | By-Product Tank farm | 11 | Alkali Scrubber | Acid Mist | - | |
| 6. | F9600 / Bixlozone | 11 | Alkali Scrubber | HCl | 20 mg/Nm ³ | |

SIX MONTHLY EC COMPLIANCE REPORT

CCA amendment no.: AWH-118963 dated 05/09/2022, issued vide letter no. GPCB/ANK/CCA-115(13) ID-15016/682174, valid up to 04/03/2027.

| | | |
|---------|-------------------------------|-------------------|
| Sr. No. | Consent Condition Requirement | Compliance Status |
|---------|-------------------------------|-------------------|


Siddhi Green Excellence
 PRIVATE LIMITED
 

TEST REPORT Date of Issue : 23-05-2023

REPORT NO. : SC/CILID/ST/MAY/2023/02

Issued to **M/s. CHEMINOVA INDIA LTD.(INTERMEDIATE DIV.)**

Address **PLOT NO.27,28/A GIDC ESTATE,PANOLI, TA: ANKLESHWAR,DIST: BHARUCH-394116**

| SR.NO. | DESCRIPTION | PROCESS STACK EMISSION ANALYSIS |
|--------|-------------------------|--|
| | Particulars of Sample | Stack 2 |
| 1 | PCB ID of Stack | 44916 |
| 2 | Sample ID No. | 27728-PS-01 |
| 3 | Name of Stack | Incinerator |
| 4 | Source | Incinerator for waste gases with APMC as water+Alkali scrubber |
| 5 | Date & Time of sampling | 17-05-2023 & 11:08 h |
| 6 | Date of Receipt | 17-05-2023 |
| 7 | Date of Analysis start | 18-05-2023 |
| 8 | Date of Completion | 19-05-2023 |

Sampling Plan & Sampling Method Used : Lab Document SC/LAB/01

| Details of Stack | |
|---------------------------|----------|
| 1 Stack Height | 45 m |
| 2 Stack Diameter | 500 mm |
| 3 Temperature of Flue gas | 89°C |
| 4 Velocity of Flue gas | 7.54 m/s |

| Details of Flue Gas | |
|-----------------------|----|
| 1 Type of Fuel | NA |
| 2 Rate of Consumption | - |

| PARAMETERS ANALYSED | UNIT | TEST METHOD | PERMISSIBLE LIMIT (NOTE-2) | RESULTS |
|---------------------|--------|-----------------------|----------------------------|---------|
| 1 PM | mg/Nm3 | IS 11255(Part 1):1985 | 50 | 32 |
| 2 SO2 | mg/Nm3 | IS 11255(Part 2):1985 | 200 | 39 |
| 3 NO _x | mg/Nm3 | IS 11255(Part 7):2005 | 400 | 24 |
| 4 CO | mg/Nm3 | SC/LAB/STP/STK-05 | 150 | 15 |

Additions to, deviations, or exclusions from the method :-None
Results from external providers, if any :- None
Any other remarks :-None
Abbreviations used :- None

COPY 1 OF 2

Verified by 

Authorized Signatory

Mrs. K. P. Shah/M. P. M. Shah

Notes : 1. Test results shall be referred to the tested sample(s) only and applicable parameter(s) only.
2. Permissible limits if mentioned in report are given by customer and included in the report upon request by customer.
3. Certificates of accreditation are available on lab's website with period of validity. If non-accredited parameters are analysed, their results are given on next page.
4. The opinions and interpretations if mentioned in report are given upon request by customer and based upon material and information supplied by customer.
5. Perishable samples will be disposed after testing, for other samples, retention time is 15 days from the date of issue of test report, unless otherwise specified by customer or by applicable regulations
6. Laboratory has a complaint redressal system. Discrepancies if any in the test report must be brought to notice within 7 days of issue of test report.
7. This report shall not be used as evidence in the court of law and shall not be reproduced except in full, without prior written approval of Siddhi Green Excellence Pvt. Ltd.

*** End of Report ***

Format No. : SC/LAB/Report-03 Issue No. : 02 Issue Date : 31-01-2019 Revision No. : 02 Revision Date : 30-06-2020 page 1 of 2
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 PRIVATE LIMITED
 

TEST REPORT Date of Issue : 23-05-2023

REPORT NO. : SC/CILID/ST/MAY/2023/04

Issued to **M/s. CHEMINOVA INDIA LTD. (INTERMEDIATE DIV.)**

Address **PLOT NO.27,28/A GIDC ESTATE,PANOLI, TA: ANKLESHWAR,DIST: BHARUCH-394116**

| SR.NO. | DESCRIPTION | PROCESS STACK EMISSION ANALYSIS |
|--------|-------------------------|---------------------------------|
| | Particulars of Sample | Stack No.2 |
| 1 | PCB ID of Stack | - |
| 2 | Sample ID | 27728-PS-03 |
| 3 | Name of Stack | F9990 Step 5/6 Reactor |
| 4 | Source | Water + Alkali Scrubber |
| 5 | Date & Time of sampling | 17-05-2023 & 11:48 h |
| 6 | Date of Receipt | 17-05-2023 |
| 7 | Date of Analysis start | 18-05-2023 |
| 8 | Date of Completion | 19-05-2023 |

Sampling Plan & Sampling Method Used : Lab Document SC/LAB/01

| Details of stack | |
|----------------------|------|
| 1 Stack Height | 11 m |
| 2 Stack Diameter | - |
| 3 Temperature of gas | 35°C |

| PARAMETERS ANALYSED | UNIT | TEST METHOD | PERMISSIBLE LIMITS (NOTE 2) | RESULTS |
|---------------------|--------|-----------------------|-----------------------------|---------|
| 1. SO ₂ | mg/Nm3 | IS 11255(Part 2):1985 | 40 | 15 |

Additions to, deviations, or exclusions from the method :-None
Results from external providers, if any :- None
Any other remarks :-None
Abbreviations used :-BDL=Below Detection limit

COPY 1 OF 2

Verified by 

Authorized Signatory

Mrs. K. P. Shah/M. P. M. Shah

Notes : 1. Test results shall be referred to the tested sample(s) only and applicable parameter(s) only.
2. Permissible limits if mentioned in report are given by customer and included in the report upon request by customer.
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*** End of Report ***

Format No. : SC/LAB/F/Report-04 Issue No. : 02 Issue Date : 31-01-2019 Revision No. : 03 Revision Date : 09-04-2022 page 1 of 2
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SIX MONTHLY EC COMPLIANCE REPORT

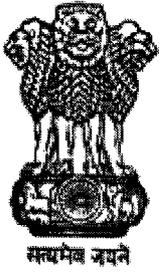
| CCA amendment no.: AWH-118963 dated 05/09/2022, issued vide letter no. GPCB/ANK/CCA-115(13) ID-15016/682174, valid up to 04/03/2027. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|------------------|----------------------|----------|---|--|--|--|--------|------------------|----|--|----|-----|----|---|----|----|----|--------------------------------------|----|----|----|---------------------------------------|----|----|-----------------------------------|
| Sr. No. | Consent Condition Requirement | | | | | Compliance Status | | | | | | | | | | | | | | | | | | | | | | |
| 4.4 | The concentration of the following parameters in the ambient air within the premises of the industry shall not exceed the limits specified hereunder. <table border="1" style="width: 100%; margin-top: 10px; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="width: 10%;">Sr. No.</th> <th rowspan="2" style="width: 30%;">Parameters</th> <th colspan="2" style="text-align: center;">Permissible Limit (microgram /m³)</th> </tr> <tr> <th style="text-align: center;">Annual</th> <th style="text-align: center;">24 Hours Average</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td>Particulate Matter (PM₁₀)</td> <td style="text-align: center;">60</td> <td style="text-align: center;">100</td> </tr> <tr> <td style="text-align: center;">2.</td> <td>Particulate Matter (PM_{2.5})</td> <td style="text-align: center;">40</td> <td style="text-align: center;">60</td> </tr> <tr> <td style="text-align: center;">3.</td> <td>Oxides of Sulphur (SO_x)</td> <td style="text-align: center;">50</td> <td style="text-align: center;">80</td> </tr> <tr> <td style="text-align: center;">4.</td> <td>Oxides of Nitrogen (NO_x)</td> <td style="text-align: center;">40</td> <td style="text-align: center;">80</td> </tr> </tbody> </table> <p>) Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.) 24 hourly or 08 hourly or 01 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring. </p> | | | | | Sr. No. | Parameters | Permissible Limit (microgram /m ³) | | Annual | 24 Hours Average | 1. | Particulate Matter (PM ₁₀) | 60 | 100 | 2. | Particulate Matter (PM _{2.5}) | 40 | 60 | 3. | Oxides of Sulphur (SO _x) | 50 | 80 | 4. | Oxides of Nitrogen (NO _x) | 40 | 80 | Unit is following this condition. |
| Sr. No. | Parameters | Permissible Limit (microgram /m ³) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Annual | 24 Hours Average | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. | Particulate Matter (PM ₁₀) | 60 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | Particulate Matter (PM _{2.5}) | 40 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | Oxides of Sulphur (SO _x) | 50 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | Oxides of Nitrogen (NO _x) | 40 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.6 | Unit shall operate industrial plant / air pollution control equipment very efficiently and continuously so that the gaseous emission always conforms to the standards specified as above. | | | | | Unit is putting efforts to implement this condition thoroughly. | | | | | | | | | | | | | | | | | | | | | | |
| 5 CONDITIONS UNDER HAZARDOUS & OTHER WASTES (MANAGEMENT & TRANSBOUNDARY MOVEMENT) RULES, 2016 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.1 | Unit shall comply with provisions of Hazardous & Other Wastes (Management & Transboundary Movement) Rules-2016 | | | | | Noted the given condition | | | | | | | | | | | | | | | | | | | | | | |
| 5.2 | The condition No. 6.2 under authorization for Hazardous & Other Wastes of the CCA order No: AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 is amended and shall now be read as under. | | | | | Complied. Disposal of hazardous waste is as per granted quantity by GPCB. | | | | | | | | | | | | | | | | | | | | | | |
| | Sr. No. | Name of Haz. Waste | Category Number | Quantity (MT /Annum) | | Mode of disposal & remarks | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Existing | Proposed | | Total | | | | | | | | | | | | | | | | | | | | | |
| | 1. | ETP Sludge | 35.3 | 1800 | 615 | 2415 | Collection, Storage, Transportation, Disposal at TSDF – BEIL & SEPPL/ Safe Enviro. | | | | | | | | | | | | | | | | | | | | | |
| | 2. | Used Oil | 5.1 | 11.04 | - | 11.04 | Collection, Storage, Transportation, Disposal by Reuse in plant & machinery as lubricant or sell it to authorized re-refiners/ recycler. | | | | | | | | | | | | | | | | | | | | | |
| | 3. | Discarded Container Bags/ Liners | 33.1 | 1943 | - | 1943 | Collection, Storage, Decontamination, sale to authorize traders, Decontamination Facility / scrap dealers. Used Bags / Liners to BEIL/ SEPPL/ Safe Enviro or others. | | | | | | | | | | | | | | | | | | | | | |
| | 4. | Process | 29.1 | 12821 | 3520 | 16341 | Collection, Storage, Transportation, Disposal | | | | | | | | | | | | | | | | | | | | | |

SIX MONTHLY EC COMPLIANCE REPORT

| CCA amendment no.: AWH-118963 dated 05/09/2022, issued vide letter no. GPCB/ANK/CCA-115(13) ID-15016/682174, valid up to 04/03/2027. | | | | | | | |
|--|--------------------------------|------|------|-------|-------|--|--|
| Sr. No. | Consent Condition Requirement | | | | | | Compliance Status |
| | Waste & Residue | | | | | | at common incineration facilities at BEIL /SEPPL/GSPL Palsana / RSPL / Co-processing in cement industries/ Eco waste |
| 5. | Solid waste / Evaporation salt | 29.1 | 9259 | 5233 | 14492 | | Collection, Storage, Transportation, Disposal at TSDF facility of BEIL / SEPPL / GSPL, Palsana / RSPL / Co-processing in cement industries / Eco waste/ safe enviro. |
| 6. | Recovered sulfur | B-37 | 4320 | - | 4320 | | Collection, Storage, Transportation, Disposal at TSDF – BEIL & SEPPL /Safe enviro / Eco waste. |
| 7. | Sodium Hydro sulfide 30% | - | 3240 | 1626 | 4866 | | Collection, storage, transportation & sold to actual users or authorized party having permission under rule -9 and after making MOU / Send to MEE at external facility / Send for co-processing at external facility/ Send for Incineration to CHWIF facilities at BEIL /SEPPL/ RSPL/ Co-processing in cement industries. At external facility/ Send for dryer at external facility. |
| 8. | Hydrochloric Acid 30% | B-15 | 4152 | 2651 | 6803 | | Collection, Storage, Transportation&Disposal by sell out to authorized users who are having authorization with valid CTO and permission under rule -9 to receive the waste and after making MOU |
| 9. | Phosphoric Acid | B-15 | 1460 | 415 | 1875 | | |
| 10. | Spent Sulphuric acid (20%) | B-15 | - | 23378 | 23378 | | Collection, Storage, Transportation&Disposal by sending for Co-processing OR to CHWIF for incineration facility at BEIL/SEPPL. |
| 11. | Sodium Bisulphite Powder | B-23 | 2250 | 555 | 2805 | | Collection, Storage, Transportation&Disposal by sell out to authorized users who are having authorization with valid CTO and permission under rule -9 to receive the waste |
| 12. | Sodium | B-23 | 7440 | 1295 | 8735 | | |

SIX MONTHLY EC COMPLIANCE REPORT

| CCA amendment no.: AWH-118963 dated 05/09/2022, issued vide letter no. GPCB/ANK/CCA-115(13) ID-15016/682174, valid up to 04/03/2027. | | | | | | | |
|--|---|---------------------------|------|------|------|------|--|
| Sr. No. | Consent Condition Requirement | | | | | | Compliance Status |
| | | Bisulphite Solution (30%) | | | | | and after making MOU Collection, Storage, Transportation & reuse in process in house. |
| | 13. | Sodium Sulphite (20-30%) | B-15 | 3775 | 4704 | 8479 | |
| | 14. | Acetic acid (30%) | B-28 | - | 2413 | 2413 | |
| 6 | All other conditions of the CCA order No: AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 will remain same. | | | | | | Noted. |



By Speed Post/Online

**F. No. IA-J-11011/53/2018-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(IA-II Section)**

Indira Paryavaran Bhawan
Jorbagh Road, New Delhi - 3

Dated: 31st December, 2019

To

M/s Cheminova India Limited (Intermediate Division)
Plot No.(27+28)/A, GIDC Industrial Estate, Panoli
District Bharuch (Gujarat)
Email: abhay.arora@fmc.com

Sub: Expansion of pesticides and Pesticide specific intermediates from 19705 TPA to 47681 TPA at Plot No.(27+28)/A, GIDC Industrial Estate, Panoli, Taluka Ankleshwar, District Bharuch (Gujarat) by M/s Cheminova India Limited (Intermediate Division)- Environmental Clearance - reg.

Sir,

This has reference to your proposal No. IA/GJ/IND2/88017/1995 dated 18th January, 2019, submitting the EIA/EMP report on the above subject matter.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for expansion of pesticides and Pesticide specific intermediates from 19705 TPA to 47681 TPA by M/s Cheminova India Limited (Intermediate Division) in an area of 149163.17 sqm at Plot No. (27+28)/A, GIDC Industrial Estate, Panoli, Taluka Ankleshwar, District Bharuch (Gujarat).

3. The details of products are as under:-

| S. No | Product | Existing (TPA) | Proposed (TPA) | Total (TPA) |
|-------|---|----------------|----------------|-------------|
| 1. | Phosphorus Trichloride (PCl ₃)/ Phosphoryl chloride (POCl ₃) | 1000 | -- | 1000 |
| 2. | Tri methyl Phosphite (TMP) or Tri ethyl Phosphite (TEP) | 100 | -- | 100 |
| 3. | Diethyl Thio Phosphoryl Chloride (DETPC) /Sodium salt of Diethyl Thio Phosphoryl Chloride (Na-DETA) | 5330 | 2670 | 8000 |
| 4. | Cyhalothrin Acid | 250 | -- | 250 |
| 5. | Phosphorus Penta Sulphide (P ₂ S ₅) | 3400 | -- | 3400 |
| 6. | Acid based products [2-bromobutyric Acid (int), ethyl 2-(4-hydroxy phenoxy) propionate (O-HPPA) (int), Thiocyclam (I), Bispyribac-Sodium | 150 | -- | 150 |

| | | | | |
|-----|--|------|----|------|
| | (H), Pyriithiobac-Sodium(H), Methoxy Amine Hydrochloride (int), 2- hydroxyphenyl Acetic Acid (HPAA) (int), amino acid (int)] etc. | | | |
| 7. | Amide group based products [Pretilachlor (H), Captan (F), Cymoxanil (F), Beflubutamide (H), Pethoxamide (H), Carboxin (F), Flubendamide (I), Chlorantraniliprole (I), Thiaflusamide (F), Zoxamide (F), Flufenacet (H), 2 Aminosulfonyl-N-N- Dimethylnicotinamide (SNA) (int), 2-(Methoxycarbonyl) thiophene thiophene-3 Sulfonamide (MST) (Int)] etc. | 150 | -- | 150 |
| 8. | Aniline group Bases products [Pendirnethalin (H), Fluazinam (F), Metaiaxyi (F), Famoxadone (F)] etc. | 1200 | -- | 1200 |
| 9. | Azine group based product Fenpyroximate (I), Metribuzin (H), Pymetrozine (I), Arnitraz (I), Indoxacarb (I), Clofentezine (I), 2 Methoxy- 4 - Methyl-6-Methylamino-1,3,5-Triazine (MMMT) (Int)] etc. | 300 | -- | 300 |
| 10. | Azole group based products [Fipronil (I), Hexaconazole (F), Propiconazole (F), Difenoconazole (F), Tricydazole (F), Myclobutanil (F), Florasulam (H), Tebuconazole (F), Flusilazole (F), Tridemefon, Paclobutrazol (F), Thiamethoxam (I), Flutriafol (F), (Safener)soxadifen ethyl (Int), Irnidacloprid (I), 2, 6 DiChloroBenzoxazolone (Int), Penoxasulam (H)] etc. | 200 | -- | 200 |
| 11. | Carbamate group based product [Thiodicarb (I), Propineb (F), Metiram (F), Thiram (F), Cartap hydrochloride (I), Thiophanate Methyl (F)] etc. | 500 | -- | 500 |
| 12. | Ester group based products [Fenoxaprop-p-Et (H), Clodinafop-Pr (H), Quizolfop-p-ethyl (H), Quinzolfop-p-terfuryl (H), Cyhalofop (H), Isoprothiolane (F), Alphamethrin (I), Lambda Cyhathrin (I), Cypermethrin (I), Bifenazate (I), Phthalide (Int) etc. | 300 | -- | 300 |
| 13. | Ether group based products [Propargite (I), oxyfuorfen (H), 2 Ethoxy Ethyl Amine (Int), S-Cyano MPB (Int)] etc. | 200 | -- | 200 |
| 14. | Ketone group based product [Mesotrione (H), Suctioned (H), Isoxanutole (H), Dimethomorph (F), Isobutyrophenone (IBP) (Int)] etc. | 1200 | -- | 1200 |
| 15. | Phosphate group based product [Chlorpyrifos (I) or its intermidiate Na-TCP (Int), Acephate (I), Monocrotophos (I) or its intermediates MCMMAA (Int.), Dimethoate (I), Profenofos (I), Ethephon (PGR)] etc. | 5000 | -- | 5000 |

| | | | | |
|--------------|---|--------------|--------------|--------------|
| 16. | Pyridine group based product [Pyridalyl (I), Imazethapyr (H) CloquintocctMexyl (H), Acetamiprid (I), 4, 6-DiChloro Pyridine (Int)], Azoxvstrobin (F) etc | 250 | -- | 250 |
| 17. | Urea group based product [Buprofezin (I), Lufenuron (I), Linuron (H), Diafenthiuron (I), Diuron (H), Novaluron (I), Chlorimuron (int), Hexythiazox (I), Spiromesifen (I), Azimsulfuron (H) , Sulfonyl Ureas (H)] etc. | 100 | -- | 100 |
| 18. | Phenol group based product [2- Cyanophenol (Int), 4- Fluro-3 trilluromethylphenole (Int)] etc. | 75 | -- | 75 |
| 19. | Sulfentrazone | -- | 2000 | 2000 |
| 20. | F-9600 (2-(2,4-dichlorobenzyl)-4,4-dimethylizoxazolidin-3-one)/Bixlozone | -- | 4200 | 4200 |
| 21. | F 9990 (Fluindapyr) | -- | 1200 | 1200 |
| 22. | Malathion | -- | 10000 | 10000 |
| 23. | F-4050 (2-(4-fluoro-3-(trifluoromethyl)phenoxy)-N-benzylbutanamide) | -- | 1500 | 1500 |
| 24. | Beflubutamide | -- | 450 | 450 |
| 25. | Gamma Cyhalothrin | -- | 300 | 300 |
| 26. | Bifenthrin | -- | 300 | 300 |
| 27. | Clomazone | -- | 2000 | 2000 |
| 28. | FMC-57091 (4,4-dimethyl isoxazolidin-3-one)/(Isoxazolidinone) | -- | 2600 | 2600 |
| 29. | Thifensulfuron Methyl | -- | 205 | 205 |
| 30. | Tribenuron Methyl | -- | 215 | 215 |
| 31. | Metsulfuron Methyl | -- | 200 | 200 |
| 32. | Ethametsulfuron Methyl | -- | 10 | 10 |
| 33. | Chlorsulfuron | -- | 60 | 60 |
| 34. | Triflusulfuron Methyl | -- | 50 | 50 |
| 35. | Azimsulfuron | -- | 4 | 4 |
| 36. | Flupyrsulfuron Methyl Sodium | -- | 12 | 12 |
| Total | | 19705 | 27976 | 47681 |

4. Existing land area is 149163.17 sqm. No additional land will be required for the proposed expansion. Industry has developed greenbelt in an area of 49497 sqm covering 33.18% of total project area. The estimated project cost is Rs.790.36 crores. Total capital cost earmarked towards environmental pollution control measures is Rs. 25.05 crores and the recurring cost (O&M) will be about Rs.102 crores per annum. The project will provide employment for 178 persons directly and 422 persons indirectly after expansion.

5. There are no National parks, Wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km from the project site. Ukai Canal flows at a distance of 1.66 km in west direction.

6. Total water requirement is estimated to be 1351 cum/day, which include fresh water requirement of 764 cum/day, proposed to be met from GIDC supply.

Effluent of 206 cum/day will be treated through Effluent Treatment Plant (ETP) having Primary, Secondary & Tertiary Treatments & treated effluent of 181 cum/day is discharged into underground conveyance pipeline connected to Final Effluent Treatment Plant (FETP) of M/s Narmada Clean Tech (NCT). It has been now proposed that after expansion, existing and proposed unit shall ensure zero liquid discharge and there will be no discharge of treated/untreated waste water from the unit.

Power requirement after expansion will be 3500 kVA proposed to be met from Dakshin Gujarat Vij Company Limited (DGVCL). Existing unit has one DG set of 1250 kVA. Two more DG sets of 1250 & 1500 kVA will be required under proposed expansion.

Existing unit has two natural gas based boilers of 10 TPH capacity each and one briquettes/bagasse/groundnut shell based boiler of 18 TPH capacity. Incinerator (for waste gas) and one natural gas based thermic fluid heater of 10 lakh Kcal/h will be installed in the expansion.

7. The project/activities are covered under category A of item 5(b) 'Pesticides industry and Pesticide specific intermediates' of the Schedule to the Environment Impact Assessment Notification, 2006, and requires appraisal at central level by the sectoral Expert Appraisal Committee (EAC) in the Ministry.

8. Standard terms of reference (ToR) for the project was granted on 23rd March, 2018. Public hearing is exempted in accordance with the Ministry's OM dated 27th April 2018, as the project site is located inside the notified industrial area.

9. The proposal for environmental clearance was considered by the EAC (Industry-2) in its meetings held on 8-9th April, 2019 and 26-28 June, 2019 in the Ministry, wherein the project proponent and their accredited consultant M/s Siddhi Green Excellence Pvt Ltd presented the EIA/EMP report. The Committee found the EIA/EMP report complying with the terms and conditions of the ToR, and recommended the proposal for environmental clearance to the project with certain conditions.

10. The proposal was further examined in the Ministry in accordance with the Ministry's Office Memorandum dated 31st October 2019 and Ministry's communication dated 24th October 2019 regarding compliance of Hon'ble NGT order dated 19.8.2019 (published on 23.8.2019) in OA No. 1038/2018.

11. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), the Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project for **Expansion of Pesticides and Pesticide Specific Intermediates from 19705 TPA to 47681 TPA by M/s Cheminova India Limited (Intermediate Division) at Plot No.(27+28)/A, GIDC Industrial Estate, Panoli, Taluka Ankleshwar, District Bharuch (Gujarat)**, under the provisions of the EIA Notification, 2006, read with

subsequent amendments therein, subject to compliance of the terms and conditions as environmental safeguards, as under:-

- (i) Consent to Establish/Operate (CTE/CTO) for the project shall be obtained from the State Pollution Control Board (SPCB) as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974, and the SPCB shall follow the mechanism/protocol issued by the Ministry vide letter no. Q-16017/38/2018-CPA dated 24th October, 2019 and forwarded by Central Pollution Control Board vide letter dated 25th October, 2019 to the SPCB's, while issuing the CTE/CTO for the project, for improvement of environmental quality in the area.
- (ii) Zero Liquid Discharge shall be ensured including existing facility and the proposed expansion facility and no waste/treated water shall be discharged outside the premises.
- (iii) Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.
- (iv) National Emission Standards for Pesticides Manufacturing Industry issued by the Ministry vide G.S.R.446(E) dated 13th June, 2011, as amended from time to time, shall be followed.
- (v) No pesticides/chemicals banned by the Ministry of Agriculture and Farmers Welfare, or having LD₅₀<100 mg/kg shall be produced. Also, no raw material/solvent prohibited by the concerned regulatory authorities from time to time, shall be used for production of pesticides.
- (vi) To control source and the fugitive emissions (at 99.98%), suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
- (vii) 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) The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery.
 - (d) Solvents shall be stored in a separate space specified with all safety measures.
 - (e) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.
 - (f) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.
 - (g) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.
- (viii) Total fresh water requirement shall not exceed 764 cum/day to be met from GIDC water supply. Prior permission in this regard shall be obtained from the concerned regulatory authority.

- (ix) Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system
- (x) Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer through pumps.
- (xi) Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
- (xii) The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act, 1989.
- (xiii) The company shall undertake waste minimization measures as below:-
 - (a) Metering and control of quantities of active ingredients to minimize waste.
 - (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - (c) Use of automated filling to minimize spillage.
 - (d) Use of Close Feed system into batch reactors.
 - (e) Venting equipment through vapour recovery system.
 - (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.
- (xiv) The green belt of at least 5-10 m width shall be developed in nearly 40% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. In addition, the project proponent shall develop greenbelt outside the plant premises also such as avenue plantation, plantation in vacant areas, social forestry etc.
- (xv) As committed, Fund allocation for the Corporate Environment Responsibility (CER) shall be 5 % of the total project cost. Item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.
- (xvi) Safety and visual reality training shall be provided to employees.
- (xvii) For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
- (xviii) 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.
- (xix) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- (xx) Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera

with night vision capability and flow meters in the channel/drain carrying effluent within the premises.

(xxi) Mitigating measures suggested during process safety and risk assessment studies shall be undertaken accordingly.

11.1. The grant of environmental clearance is subject to compliance of other general conditions, as under:-

- (i) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board, Central Pollution Control Board, State Government and any other statutory authority.
- (ii) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- (iii) The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.
- (iv) The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.
- (v) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- (vi) The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.
- (vii) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- (viii) The company shall also 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.
- (ix) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. ESC activities shall be undertaken by involving local villages and administration.

- (x) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- (xi) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
- (xii) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
- (xiii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
- (xiv) The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
- (xv) The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at <http://moef.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
- (xvi) The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

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



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

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

15. The above conditions will be enforced, *inter alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

16. This issues with approval of the competent authority.

(Dr. R. B. Lal)
वैज्ञानिक 'ई' / Scientist E
पर्यावरण, वन एवं जलवायु परिवर्तन विभाग
Min. of Environment, Forest and Climate Change
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi

Copy to: -

1. The Deputy DGF (C), MoEF&CC Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road-3, Ravishankar Nagar, Bhopal -16
2. The Secretary, Forests and Environment Department, Government of Gujarat, Block 14, 8th Floor, Sachivalaya, Gandhinagar (Gujarat) -10
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
4. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10A, Gandhinagar (Gujarat) - 10
5. The District Collector, District Bharuch (Gujarat)
6. Guard File/Monitoring File/Website/Record File

(Dr. R. B. Lal)
Scientist E



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,
GANDHINAGAR - 382010,
(T) 079-23232152

By R.P.A.D.
CONSOLIDATED CONSENT AND AUTHORIZATION (CC & A - Amendment)
CCA AMENDMENT NO: AWH -118963

NO: GPCB/ANK/CCA-115(13)/ID-15016/

DT: ___/09/2022

To,
M/s. CHEMINOVA INDIA LTD.,
PLOT NO: 27,28,
GIDC ESTATE PANOLI,
DIST-BHARUCH.

SUB: Amendment in Consolidated Consent & Authorization (CC&A) under various Environmental Acts/ Rules.
REF: (1) Your application No. 203050 dated 27/09/2021.
(2) CCA No. AWH - 118890 dated: 05/09/2022 (CCA Renewal)

Sir,

This has reference to the CCA order No: **AWH-118890**, issued vide letter no. **GPCB/ANK/CCA-115(13)/ID-15016/682162**, dated 05/09/2022 under the provisions of the various Environmental Act/ Rules, which stands amended as under.

The Validity of this order will be up to 04/03/2027.

1. The list of proposed products to be manufactured shall be as follows:

| Sr. No. | Products | Quantity (MT/Year) | | |
|---------|---|--------------------|----------|-------|
| | | Existing | Proposed | Total |
| 1 | Phosphorus Trichloride (PCl ₃)/ Phosphoryl chloride (POCl ₃) | 1000 | - | 1000 |
| 2 | Tri methyl phosphate (TMP) or tri ethyl Phosphite (TEP) | 100 | - | 100 |
| 3 | Diethyl Thio Phosphoryl Chloride (DETPC)/ Sodium salt of Diethyl Thio Phosphoryl Chloride (Na-DETA) | 5330 | 2670 | 8000 |
| 4 | Cyhalothrin Acid | 250 | - | 250 |
| 5 | Phosphorus Penta Sulphide (P ₂ S ₅) | 3400 | - | 3400 |
| 6 | Fluindapyr (F 9990) | 150 | 1200 | 1350 |
| 7 | Bixlozone (F9600) | 960 | 4200 | 5160 |
| 8 | Acid based products [2-brornobutyric Acid (int), amino acid (int), ethyl 2-(4-hydroxy phenoxy) propionated (O-HPPA) (int), Thiocyclam (I), Baspyribac-Sodium (H), Pyrithiobac-Sodium(H), Methoxy Amine Hydrochloride (int), 2-hydroxyphenyl Acetic Acid (HPAA) (int)] etc. | 150 | - | 150 |

Clean Gujarat Green Gujarat

Website : <https://gpcb.gujarat.gov.in>

Outward No: 621/2022

| | | | | |
|----|---|------|---|------|
| 9 | Amide group based products [Pretilachlor (H), Captan (F), Cymoxanil(F), Beflubutamide(H), Pethoxamide (H), Carboxin (F), Flubendamide(I), Chlorantraniliprole (I), Thiaflusamide (F), Zoxamide (F), Flufenacet (H), 2 Aminosulfonyl-N-N-Dimethylnicotinamide (SNA) (int), 2-(Methoxycarbonyl) thiophene thiophene-3 Sulfonamide (MST) (Int)] etc. | 150 | - | 150 |
| 10 | Azine group based product Fenpyroximate (I), Metribuzin (H), Pymetrozine (I), Amitraz (I), Indoxacarb (I), Clofentezine(I), 2 Methoxy-4- Methyl-6- Methylamino-1,3,5- Triazine (MMMT) (int)/etc. | 300 | - | 300 |
| 11 | Azole group based products [Fipronil (I), Hexaconazole (F), Propiconazole(F), Difenoconazole(F), Tricydazole (F), Myclobutanil (F), Florasulam (H), Tebuconazole (F), Flusilazole (F), Tebuconazole (F), Tridemefon, Paclobutrazol (F), Thiamethoxam (I), Flutriafol (F), (Safener Isoxadifen ethyl (Int), Irnidacloprid (I) 2,6 Dichloro Benzoxazolone (Int), Penoxasulam (H)] etc. | 200 | - | 200 |
| 12 | Carbamate group based product [Thiodicarb (I), Propineb (F), Metiram (F), Thiram (F), Cartap hydrochloride (I), Thiophanate Mrthyl (F)] etc. | 500 | - | 500 |
| 13 | Ester group based products [Fenoxaprop-p-Et(H), Clodinafop-Pr(H), Quizolfop-p-ethyl (H), Quinzolfop-p-terfuryl (H), Cyhalofop (H), Isoprothiolane (F), Alphamethrin (I), Lambda Cyhaothrin (I), Cypermethrin (I), Bifenazate (I), Phthalide (Int) etc. | 300 | - | 300 |
| 14 | Ether group based products [Propargite (I), oxyfluorfen (H), S-Cyano MPB (Int), 2 Ethoxy Ethyl Amine (Int)] etc. | 200 | - | 200 |
| 15 | Ketone group based product [Mesotrione (H), Suctioned (H), Isoxanutole (H), Dimethomorph (F), | 1200 | - | 1200 |

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| | | | | |
|----|--|------|---|------|
| | Isobutyrophenone (IBP (Int] etc. | | | |
| 16 | Phosphate group based product [Chlorpyrifos (I) or its intermediate Na-TCP (Int, Acephate (I), Monocrotophos (I) or its intermediates MCMMAA (Int.), Dimethoate (I) Profenofos (I), Ethephon (PGR)] etc. | 5000 | - | 5000 |
| 17 | Pyridine group based product [Pyridalyl (I), Imazethapyr (H) Cloquintocct Mexyl (H), Acetamiprid(I), 4,6- Di Chloro Pyridine (Int], Azoxvstrobin (F) etc. | 250 | - | 250 |
| 18 | Urea group based product [Buprofezin (I), Lufenuron (I), Linuron (H), Diafenthiuron (I), Diuron (H), Novaluron (I), Chlorimuron (int), Hexythiazox (I) Spiromesifen (I), Azmsulfuron (H), Sulfonyl Ureas (H)] etc. | 100 | - | 100 |
| 19 | Phenol group based product [2-Cyanophenol (Int), 4-Fluro-3 trilluromethyl phenol (Int)] etc. | 75 | - | 75 |

2. Specific conditions:

- Unit shall comply with all the conditions stipulated by MoEF in the order of Environment Clearance issued vide letter no.IA-J-11011/53/2018-IA-II(I), dated: 31/12/2019.
- Unit shall maintain ZLD.
- Unit shall use fresh raw material only.
- Unit shall sell out their hazardous waste to authorized endusers who is having authorization with valid CCA and rule 9 permission to receive this waste. Unit shall make MoU with such authorized endusers and submit MoU.
- All the efforts shall be made to send hazardous waste to cement industry for Co-processing first & there after it shall be disposed through other option.
- Unit shall follow spent solvent management guideline framed by board and shall make MoU with outside distillation units, if any. Also submit the prescribed forms as per guideline.
- Unit shall strictly follow the Solid Fuel guideline framed by Board and shall install APCM as per guideline.
- Unit shall follow coal handling guideline framed by Board and provide close ash handling facility.
- Unit shall strictly follow the Fly Ash Notification for disposal of generated ash.
- Unit shall install online Continuous Emission Monitoring Systems (CEMS) and link it with the server of GPCB for real time data transfer for boiler more than 8 TPH capacity or equivalent capacity of TFH.

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3. CONDITION UNDER THE WATER ACT:

3.1 The condition No. 3.3 for Water Consumption under Water Act of the CCA order No: AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 is amended and shall now be read as under.

| Water (Qty: KL/day) | Water consumption | | |
|---------------------|-------------------|------------|--|
| | Existing | Proposed | Total |
| Domestic | 25 | - | 25 |
| Industrial | 423 | 280 | 703 (348 KLD Fresh + 355 KLD Reuse) |
| Gardening | 25 | - | 25 |
| Total | 473 | 280 | 753 |

3.2 The condition No. 3.1 & 3.2 for Wastewater Generation under Water Act of the CCA order No: AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 is amended and shall now be read as under.

| Water (Qty: KL/day) | Wastewater Generation | | |
|---------------------|-----------------------|------------|------------|
| | Existing | Proposed | Total |
| Domestic | 25 | - | 25 |
| Industrial | 176 | 219 | 395 |
| Total | 201 | 219 | 420 |

3.3 Mode of disposal of wastewater:

- 395 KLD industrial effluent to be treated in ETP, RO and MEE. Condensate water reused for process and washing. Hence, unit shall maintain ZLD.
- Sewage shall be disposed off through septic tank/ soak pit system or shall be treated separately in Sewage Treatment Plant (STP) to conform the following standards and treated sewage shall be utilized on land for irrigation / plantation.

| Sr. No. | PARAMETERS | PERMISSIBLE LIMIT |
|---------|---|-------------------|
| 1 | Biochemical Oxygen Demand, BOD ₃ , 27 ^o C | 20 mg/L |
| 2 | Total Suspended Solids (TSS) | 30 mg/L |
| 3 | Total Residual Chlorine | Minimum 0.5 ppm |

4. CONDITIONS UNDER THE AIR ACT:

4.1 The condition No. 4.1 for Fuel Consumption under Air Act of the CCA order No: AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 is amended and shall now be read as under.

| Sr. No. | Name of fuel | Quantity | | |
|---------|--------------------------------------|-------------------------|--------------|-------------------------|
| | | Existing | Proposed | Total |
| 1 | Natural Gas | 9000 m ³ /hr | -- | 9000 m ³ /hr |
| 2 | HSD | 90 Lit/hr | 301.7 Lit/hr | 391.Lit/hr |
| 3 | Bagasse/ Groundunt shell/ Briquettes | 2970 kg/hr | -- | 2970 kg/hr |

* Unit shall not use FO as fuel.



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4.2 The condition No. 4.2 for Flue gas stacks under Air Act of the CCA order No: AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 is amended and shall now be read as under.

| Stack No. | Stack attached to | Stack Height in Meter | Air Pollution Control Measure (APCM) | Parameter | Permissible limit |
|-----------|---------------------|-----------------------|--------------------------------------|-------------------------------|---------------------------------|
| | Existing | | | | |
| 1 | Boiler (10 TPH) | 32 | - | PM SO2 NOx | 150 mg/NM3 100 ppm 50 ppm |
| 2 | Boiler (10 TPH) | | - | | |
| 3 | D.G. Set (1250 KVA) | 9 | - | | |
| 4 | Boiler (18 TPH) | 40 | Dust collector, Bag filter | | |
| 5 | Incinerator | 45 | Alkali scrubber + water scrubber | Parameters as Mentioned below | |

• Treated flue gas emissions discharge through stack of Incinerator to atmosphere shall always be less than or equal to the following parameter-specific emission standards:

| PARAMETER | EMISSION STANDARD | SAMPLING DURATION |
|--|----------------------------|---|
| Particulates | 50 mg/Nm ³ | 30 Minutes |
| HCl | 50 mg/Nm ³ | 30 Minutes |
| SO ₂ | 200 mg/Nm ³ | 30 Minutes |
| CO | 100 mg/Nm ³ | 30 Minutes |
| | 50 mg/Nm ³ | Standard refers to daily average value |
| Total Organic Carbon | 20 mg/Nm ³ | 30 Minutes |
| HF | 4 mg/Nm ³ | 30 Minutes |
| NO _x (NO and NO ₂ expressed as NO ₂) | 400 mg/Nm ³ | 30 Minutes |
| Total dioxins and furans | 0.1 ng TEQ/Nm ³ | 6-8 hours sampling. Please refer guidelines for 17 concerned congeners for toxic equivalence values to arrive at total toxic equivalence. |
| Cd + Th + their compounds | 0.05 mg/Nm ³ | Sampling time anywhere between 30 minutes and 8 hours. |
| Hg and its compounds | 0.05 mg/Nm ³ | Sampling time anywhere between 30 minutes and 8 hours. |
| Sb + As + Pb + Cr + Co + Cu + Mn + Ni + V + their compounds | 0.5 mg/Nm ³ | Sampling time anywhere between 30 minutes and 8 hours. |
| Note: All values of outlet parameters of Incinerator shall be corrected to 11% oxygen on a dry basis. | | |

Proposed

| | | | | | |
|---|---------------------|----|---|------------------|---------------------------------|
| 1 | D.G. Set (1500 KVA) | 30 | - | PM SO2 NOx | 150 mg/NM3 100 ppm 50 ppm |
|---|---------------------|----|---|------------------|---------------------------------|

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- 4.3 The condition No. 4.3 for Process gas stacks under Air Act of the CCA order No: AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 is amended and shall now be read as under.

| Stack No. | Stack attached to | Stack Height in Meter | Air Pollution Control Measure (APCM) | Parameter | Permissible limit |
|-----------------|------------------------------------|-----------------------|---|--|---|
| Existing | | | | | |
| 1 | Reactor of TMP Plant | 15 | Water and caustic scrubber | NH3 | 175 mg/Nm ³ |
| 2 | Reactor of PCL3 plant | 15 | Alkali Scrubber | HCl Cl ₂ | 20 mg/Nm ³ 09 mg/Nm ³ |
| 3 | Emergency vent of PCL ₃ | 15 | Alkali Scrubber | HCl Cl ₂ | 20 mg/Nm ³ 09 mg/Nm ³ |
| 4 | Sulphur Furnace | 45 | Water Scrubber + Alkali Scrubber (Dhal chamber) | PM HCl SO ₂ Cl ₂ H ₂ S CO NO _x | 150 mg/Nm ³ 20 mg/Nm ³ 40 mg/Nm ³ 09 mg/Nm ³ 45 mg/Nm ³ 150 mg/Nm ³ 25 mg/NM ³ |
| Proposed | | | | | |
| 1 | Chlorine Yard | 11 | Alkali Scrubber | HCl Cl ₂ | 20 mg/Nm ³ 09 mg/Nm ³ |
| 2 | F9990 step 5 reactor | 11 | Water Scrubber + Alkali Scrubber | HCl SO ₂ | 20 mg/Nm ³ 40 mg/Nm ³ |
| | F9990 step 6 reactor | | | | |
| 3 | Florasulam plant | 11 | Alkali Scrubber | HCl | 20 mg/Nm ³ |
| 4 | Laboratory | 11 | Alkali Scrubber | Acid mist | - |
| 5 | By-product tank farm | 11 | Alkali Scrubber | Acid mist | - |
| 6 | F9600/Bixlozone | 11 | Alkali Scrubber | HCl | 20 mg/Nm ³ |

- 4.4 The concentration of the following parameters in the ambient air within the premises of the industry shall not exceed the limits specified hereunder.

| Sr. No. | Parameters | Permissible Limit (microgram /M ³) | |
|---------|---|--|------------------|
| | | Annual | 24 Hours Average |
| 1. | Particulate Matter (PM ₁₀) | 60 | 100 |
| 2. | Particulate Matter (PM _{2.5}) | 40 | 60 |
| 3. | Oxides of Sulphur (SO _x) | 50 | 80 |
| 4. | Oxides of Nitrogen (NO _x) | 40 | 80 |



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- Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.
 - 24 hourly or 08 hourly or 01 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.
- 4.6 Unit shall operate industrial plant / air pollution control equipment very efficiently and continuously so that the gaseous emission always conforms to the standards specified in condition as above.
- 5 **CONDITIONS UNDER HAZARDOUS & OTHER WASTES (MANAGEMENT & TRANSBOUNDARY MOVEMENT) RULES, 2016**
- 5.1 Unit shall comply with provisions of Hazardous & Other Wastes (Management & Transboundary Movement) Rules-2016.
- 5.2 The condition No. 6.2 under authorization for Hazardous & other wastes of the CCA order No: **AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022** is amended and shall now be read as under.

| Sr. No. | Name of Haz. Waste | Cate. Number | Quantity in MT/Year | | | Facility |
|---------|---------------------------------|--------------|---------------------|------|-------|---|
| | | | Exi. | Pro. | Total | |
| 1 | ETP Sludge | 35.3 | 1800 | 615 | 2415 | Collection, Storage , Transportation, disposal at TSDF-BEIL & SEPPL/ Safe Enviro. |
| 2 | Used Oil | 5.1 | 11.04 | - | 11.04 | Collection, Storage, Transportation and Disposal by Reuse in plant & machinery as lubricant or sell it to authorized re-refiners / recycler. |
| 3 | Discarded Container Bags/Liners | 33.1 | 1943 | - | 1943 | Collection, Storage , Decontamination, sale to authorize traders, Decontamination Facility/scrap dealers. Used Bags/Liners to BEIL/ SEPPL/Safe Enviro or others. |
| 4 | Process Waste & Residue | 29.1 | 12821 | 3520 | 16341 | Collection, Storage , Transportation, Disposal at common incineration facilities at BEIL/SEPPL/ GSPL/ PALSANA/ RSPL/Co-processing in cement industries / Eco waste. |
| 5 | Solid waste/ Evaporati | 29.1 | 9259 | 5233 | 14492 | Collection, Storage , Transportation, disposal at TSDF facility of |

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| | | | | | | |
|----|----------------------------------|------|------|-------|-------|---|
| | on salt | | | | | BEIL/SEPPL/ RSPL/ Co-processing in cement industries/ safe enviro/ eco waste. |
| 6 | Recovered sulfur | B37 | 4320 | - | 4320 | Collection, Storage , Transportation, disposal at TSDF-BEIL & SEPPL/ Safe Envir/ eco waste. |
| 7 | Sodium Hydro sulfide 30 % | - | 3240 | 1626 | 4866 | Collection, storage, transportation & sold to actual users or authorized party having permission under rule-9 and after making MOU/ Send to MEE at external facility/ Send for co-processing at external facility/Send for Incineration to CHWIF facilities at BEIL/SEPPL/ RSPL/ Co-processing in cement industries. At external facility/ Send for dryer at external facility. |
| 8 | Hydrochloric Acid 30 % | B-15 | 4152 | 2651 | 6803 | Collection, Storage, Transportation & Disposal by sell out to authorized users who are having authorization with valid CTO and permission under rule-9 to receive the waste and after making MOU. |
| 9 | Phosphoric Acid | B-15 | 1460 | 415 | 1875 | |
| 10 | Spent Sulphuric acid (20 %) | B-15 | - | 23378 | 23378 | Collection, Storage, Transportation & Disposal by sending for co-processing OR to CHWIF for incineration facility at BEIL/SEPPL. |
| 11 | Sodium Bisulphite Powder | B-23 | 2250 | 555 | 2805 | Collection, Storage, Transportation & Disposal by sell out to authorized users who are having authorization with valid CTO and permission under rule-9 to receive the waste and after making MOU. |
| 12 | Sodium Bisulphite Solution (30%) | B-23 | 7440 | 1295 | 8735 | |
| 13 | Sodium Sulphite (20-30%) | B-15 | 3715 | 4704 | 8479 | |
| 14 | Acetic acid (30%) | B-28 | - | 2413 | 2413 | Collection, Storage, Transportation & reuse in process in house. |



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- 6 All other conditions of the CCA order No: AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 will remain same.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD

(Arun G. Patel)
ENVIRONMENT ENGINEER

Outward No:682174, 05/09/2022

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By R.P.A.D.

CONSOLIDATED CONSENT AND AUTHORIZATION (CC & A)
CCA NO: AWH- 118890

NO: GPCB/ANK/CCA- 115(13)/ID-15016/

DT: ___/09/2022

In exercise of the power conferred under Section-25 of the Water (Prevention and Control of Pollution) Act-1974, under Section-21 of the Air (Prevention and Control of Pollution) Act-1981 and Authorization under rule 6(2) of the Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016, framed under the E(P)Act-1986.

And whereas Board has received consolidated application dated 12/04/2022 and inward no. 211771 for the consolidated consent and authorization (CC & A) of this Board under the provisions / rules of the aforesaid Acts, Consolidated Consent & Authorization is hereby granted as under.

CONSOLIDATED CONSENT AND AUTHORISATION:

(Under the provisions / rules of the aforesaid Environmental Acts)

To,
M/s. CHEMINOVA INDIA LTD.,
PLOT NO: 27,28,
GIDC ESTATE PANOLI,
DIST-BHARUCH.

1. Consent Order No. : AWH-118890 date of Issue 23/05/2022.
2. The consent under Water Act-1974 for conveying the industrial effluent to the CETP of M/s. NCT for the treatment and disposal of treated effluent, The consent under Air Act-1981 & Authorization under Environment (Protection) Act, 1986 shall be **valid up to 04/03/2027** to operate industrial plant to manufacture following products:

| Sr. No. | Products | Quantity (MT/Year) |
|---------|--|--------------------|
| 1 | Phosphorus Trichloride (PCl ₃)/ Phosphoryl chloride (POCl ₃) | 1000 |
| 2 | Tri methyl phosphate (TMP) or tri ethyl Phosphite (TEP) | 100 |
| 3 | Diethyl Thio Phosphoryl Chloride (DETPC)/ Sodium salt of Diethyl Thio Phosphoryl Chloride (Na-DETA) | 5330 |
| 4 | Cyhalothrin Acid | 250 |
| 5 | Phosphorus Penta Sulphide (P ₂ S ₅) | 3400 |
| 6 | Fluindapyr (F 9990) | 150 |
| 7 | Bixlozone (F9600) | 960 |
| 8 | Acid based products [2-brornobutyric Acid (int), amino acid (int), ethyl 2-(4-hydroxy phenoxy) propionated (O-HPPA) (int), Thiocyclam (I), Basyribac-Sodium (H), Pyrithiobac-Sodium(H), Methoxy Amine Hydrochloride (int), 2-hydroxyphenyl Acetic Acid (HPAA) (int)] etc. | 150 |
| 9 | Amide group based products [Pretilachlor (H), Captan (F), | 150 |

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| | | |
|----|--|--------------|
| | Cymoxanil(F), Beflubutamide(H), Pethoxamide (H), Carboxin (F), Flubendamide(I), Chlorantraniliprole (I), Thiaflusamide (F), Zoxamide (F), Flufenacet (H), 2 Aminosulfonyl-N-N-Dimethylnicotinamide (SNA) (int), 2-(Methoxycarbonyl) thiophene thiophene-3 Sulfonamide (MST) (Int)] etc. | |
| 10 | Azine group based product Fenpyroximate (I), Metribuzin (H), Pymetrozine (I), Amitraz (I), Indoxacarb (I), Clofentezine(I), 2 Methoxy-4- Methyl-6- Methylamino-1,3,5-Triazine (MMMT) (int)/etc. | 300 |
| 11 | Azole group based products [Fipronil (I), Hexaconazole (F), Propiconazole(F), Difenoconazole(F), Tricydazole (F), Myclobutanil (F), Florasulam (H), Tebuconazole (F), Flusilazole (F), Tebuconazole (F), Tridemefon, Paclobutrazol (F), Thiamethoxam (I), Flutriafol (F), (Safener Isoxadifen ethyl (Int), Irnidacloprid (I) 2,6 Dichloro Benzoxazolone (Int), Penoxasulam (H)] etc. | 200 |
| 12 | Carbamate group based product [Thiodicarb (I), Propineb (F), Metiram (F), Thiram (F), Cartap hydrochloride (I), Thiophanate Mrthyl (F)] etc. | 500 |
| 13 | Ester group based products [Fenoxaprop-p-Et(H), Clodinafop-Pr(H), Quizolfop-p-ethyl (H), Quinzolfop-p-terfuryl (H), Cyhalofop (H), Isoprothiolane (F), Alphamethrin (I), Lambda Cyhaothrin (I), Cypermethrin (I), Bifenazate (I), Phthalide (Int) etc. | 300 |
| 14 | Ether group based products [Propargite (I), oxyfiuorfen (H), S-Cyano MPB (Int), 2 Ethoxy Ethyl Amine (Int)] etc. | 200 |
| 15 | Ketone group based product [Mesotrione (H), Suctioned (H), Isoxanutole (H), Dimethomorph (F), Isobutyrophenone (IBP (Int] etc. | 1200 |
| 16 | Phosphate group based product [Chlorpyrifos (I) or its intermediate Na-TCP (Int, Acephate (I), Monocrotophos (I) or its intermediates MCMMAA (Int.), Dimethoate (I) Profenofos (I), Ethephon (PGR)] etc. | 5000 |
| 17 | Pyridine group based product [Pyridalyl (I), Imazethapyr (H) Cloquintocct Mexyl (H), Acetamiprid(I), 4,6- Di Chloro Pyridine (Int), Azoxvstrobin (F) etc. | 250 |
| 18 | Urea group based product [Buprofezin (I), Lufenuron (I), Linuron (H), Diafenthuron (I), Diuron (H), Novaluron (I), Chlorimuron (int), Hexythiazox (I) Spiromesifen (I), Azmsulfuron (H), Sulfonyl Ureas (H)] etc. | 100 |
| 19 | Phenol group based product [2-Cyanophenol (Int), 4-Fluro-3 trilluromethyl phenol (Int)] etc. | 75 |
| | Total | 19615 |

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Specific conditions:

- a) Unit shall comply with all the conditions stipulated by MoEF in the order of Environment Clearance issued vide letter no.IA-J-11011/53/2018-IA-II(I), dated: 31/12/2019.
- b) Unit shall use fresh raw material only.
- c) Unit shall sell out their hazardous waste to authorized endusers who is having authorization with valid CCA and rule 9 permission to receive this waste. Unit shall make MoU with such authorized endusers and submit MoU.
- d) All the efforts shall be made to send hazardous waste to cement industry for Co-processing first & there after it shall be disposed through other option.
- e) Unit shall follow spent solvent management guideline framed by board and shall make MoU with outside distillation units, if any. Also submit the prescribed forms as per guideline.
- f) Unit shall strictly follow the Solid Fuel guideline framed by Board and shall install APCM as per guideline.
- g) Unit shall strictly follow the Fly Ash Notification for disposal of generated ash.
- h) Unit shall install online Continuous Emission Monitoring Systems (CEMS) and link it with the server of GPCB for real time data transfer for boiler more than 8 TPH capacity or equivalent capacity of TFH.

3. CONDITION UNDER THE WATER ACT:

- 3.1 The quantity of total water consumption shall not exceed **473 KL/Day** as per below break up as mentioned in form D submitted for consent application under Water Act- 1974.
 - a) Domestic: 25 KL/Day
 - b) Industrial: 423 KL/Day
 - c) Gardening: 25 KL/Day
- 3.2 The quantity of total waste water generation shall not exceed **201 KL/Day** as per below break up as mentioned in form D submitted for consent application under Water Act-1974.
 - a) Domestic: 25 KL/Day
 - b) Industrial: 176 KL/Day
- 3.3 Mode of disposal of wastewater:
 - a) 176 KLD industrial effluent sent to M/s. NCT.
 - b) Sewage shall be disposed off through septic tank/soak pit system.
- 3.4 The quality of industrial effluent shall conform to the following standards (as per GPCB norms, whichever is applicable) (For discharge into CETP- NCT)

| Sr. No. | PARAMETERS | PERMISSIBLE LIMIT |
|---------|------------------------------|-------------------|
| 1 | pH | 6.5 to 8.5 |
| 2 | Temperature | 40° C |
| 3 | Colour (pt.co.scale) | 100 units |
| 4 | Total Suspended Solids (TSS) | 150 mg/l |
| 5 | Total Dissolved Solids (TDS) | 10000 mg/l |

| | | |
|----|--|---|
| 6 | Biochemical Oxygen Demand, BOD ₃ , 27° C | 200 mg/l |
| 7 | Chemical Oxygen Demand (COD) | 1000 mg/l |
| 8 | Oil and Grease(O & G) | 10 mg/l |
| 9 | Phenolic Compounds (as C ₆ H ₅ OH) | 5 mg/l |
| 10 | Sulphide (as S) | 5 mg/l |
| 11 | Ammonical Nitrogen (as N) | 50 mg/l |
| 12 | Total Kjeldahl Nitrogen (as N) | 50 mg/l |
| 13 | Phosphate (as P) | 5 mg/l |
| 14 | Chlorides (as Cl) | 1000 mg/l |
| 15 | Sulphates (as SO ₄) | 1000 mg/l |
| 16 | Cyanide (as CN) | 0.2 mg/l |
| 17 | Fluoride (as F) | 15 mg/l |
| 18 | Hexavalent Chromium (as Cr+6) | 0.1 mg/l |
| 19 | Total Chromium (as Cr) | 2 mg/l |
| 20 | Copper (as Cu) | 3 mg/l |
| 21 | Nickel (as Ni) | 3 mg/l |
| 22 | Zinc (as Zn) | 15 mg/l |
| 23 | Iron (as Fe) | 3 mg/l |
| 24 | Manganese (as Mn) | 2 mg/l |
| 25 | Mercury (as Hg) | 0.01 mg/l |
| 26 | Lead (as Pb) | 0.1 mg/l |
| 27 | Arsenic (as As) | 0.2 mg/l |
| 28 | Venedium (as V) | 0.2 mg/l |
| 29 | Cadmium (as Cd) | 0.05 mg/l |
| 30 | Selenium (as Se) | 0.05 mg/l |
| 31 | Bio-assay test | 90 % Survival of fish after 96 hours in 100 % effluent |
| 32 | Insecticides/ Pesticides | Absent |

- 3.5 The effluent conforming to the above standards shall be discharged into G.I.D.C. underground drainage system and conveyed to FETP (NCT) which ultimately leads to deep sea for final disposal through pipeline.
- 3.6 Unit shall be required to make storage facilities to store the effluent for at least 72 hours by providing acid proof brick lined impervious tanks/HDPE tanks.
- 3.7 In case of shut-down of plant for more than three (3) days for any reason, the NCT unit member shall intimate to NCT authority & GPCB well in advance for the better operation & management of CETP.
- 3.8 Unit shall make fixed arrangement for discharge of the effluent from their Final collection tanks to the underground drainage network of NCT. Unit shall not keep any by-pass line or system or loose or flexible pipe line for discharge of the effluent into underground drainage network of NCT.
- 3.9 Magnetic flow meters shall be installed at the inlet & outlet of effluent collection tanks/ETP to measure the quantity of effluent discharged into the underground drainage network of NCT.



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GANDHINAGAR - 382010,

(T) 079-23232152

- 3.10 Unit shall affix of water meters as per Section 4 (1) of the water (Prevention and Control of Pollution) Cess Act – 1977 for the purpose of measuring and recording the quantity of water consumed at such places as may be required, within 15 days and it shall be presumed that the quantity indicated by the meter has been consumed by the unit until the contrary is proved.
- 3.11 Unit shall provide adequate / safe effluent sampling facility for the effluent being stored in final collection / discharge tank of ETP or being discharged into CETP.
- 3.12 Unit shall put up at the entrance a board displaying the name of unit, particulars of the products/ process, the name of proprietor/partners /directors of the unit, NCT membership number & date of joining of NCT, the electricity consumer number as on the record of DGVCL.
- 3.13 Unit shall have to display on-line data outside the main factory gate with regard to and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises.
- 3.14 Unit shall either stop or curtail its production activities if the effluent is not adequately treated by the FETP of NCT to conform to the standards specified by GPCB.
- 3.15 The authorized representative of NCT shall have right of entry at any time for the purpose of inspection and monitoring the effluent collection facilities/ETP (if required) of Unit.
- 3.16 Unit shall have to keep accurate records of quality & quantity of effluent discharged to FETP on day-to-day basis. Separate logbook shall be maintained for recording the data & shall be made available for inspection as & when asked.
- 3.17 Unit shall keep accurate records of quantity of production of each product, quantity of water consumption, quantity of effluent generated and consumption of electricity on day to day basis and required to submit the complied record of each month to GPCB on or before fifth day of the succeeding month.
- 3.18 In case of incinerators or MEE, the flow measuring devices for mother liquor/ toxic effluent/ Non-biodegradable effluent, light diesel oil, Furnace oil, etc. i.e. fuel used for combustion, air used for combustion shall be separately provided. Incinerator temperature recording devices as well as gaseous flow measuring devices for scrubber shall also be provided. These data of temperature & flow should be recorded every day & submitted to GPCB on monthly basis.
- 3.19 Disposal system for storm water shall be provided separately. In no circumstances storm water shall be mixed with the industrial effluent.
- 3.20 Leachate from the hazardous solid waste, if any shall also be connected into a collection tank through leachate collection facilities and shall be treated along with industrial effluent and final treated effluent shall be discharged to the CETP of NCT.

- 3.21 If the NCT authority terminates the membership of CETP, the NCT member unit shall have to close down the manufacturing activities/industrial operation of the process plant immediately until the NCT membership is resumed.
- 3.22 The Environmental Management Unit/Cell shall be setup to ensure implementation on and monitoring of environment safeguards and other conditions stipulated by statutory authorities. The Environmental Management Cell / Unit shall directly report to the Chief Executive of the organization and shall work as a focal point for internalizing environmental issued. These Cells also coordinate the exercise of environmental audit and preparation of environmental statements.
- 3.23 The Environmental audit shall be carryout yearly, if applicable. The environmental statements pertaining to the previous year shall be submitting to this State Board latest by 30th June every year.
- 3.24 Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is at least 1000 trees per acre of land and a green belt of 5 meters width is developed.
- 3.25 In case of change of ownership/ management the name and address of the new ownership/ partners/ directors/ proprietor should immediately be intimate to the Board. Also any change in equipment or working conditions as mentioned in the consents form/ order should immediately be intimated to this Board.
- 3.26 The Board reserves the right to review and/or revoke the consent and / or make modifications in the conditions which it seems fit in accordance with provisions of Water Act-1974.

4. CONDITIONS UNDER THE AIR ACT:

4.1 The following shall be used as fuel:

| Sr. No. | Name of fuel | Quantity |
|---------|--------------------------------------|-------------------------|
| 1 | Natural Gas | 9000 m ³ /hr |
| 2 | HSD | 90 Lit/hr |
| 3 | Bagasse/ Groundunt shell/ Briquettes | 2970 kg/hr |

* Unit shall not use FO as fuel.

4.1.1 The flue gas emission through stack shall conform to the following standards:

| Stack No. | Stack attached to | Capacity | Stack Height in Meter (From G.L.) | Air Pollution Control Measure (APCM) | Parameter | Permissible limit |
|-----------|-------------------|----------|-----------------------------------|--------------------------------------|-----------|-------------------|
| 1. | Boiler | 10 TPH | 32 | - | PM | 150 mg/NM3 |
| 2 | Boiler | 10 TPH | | - | SO2 | 100 ppm |



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| 3 | D.G. Set | 1250 KVA | 9 | - | NOx | 50 ppm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------------------|---|----|----------------------------------|-------------------------------|--------|-----------|-------------------|-------------------|--------------|-----------------------|------------|-----|-----------------------|------------|-----------------|------------------------|------------|----|------------------------|------------|-----------------------|--|----------------------|-----------------------|------------|----|----------------------|------------|--|------------------------|------------|--------------------------|----------------------------|---|---------------------------|-------------------------|--|----------------------|-------------------------|--|---|------------------------|--|
| 4 | Boiler | 18 TPH | 40 | Dust collector, Bag filter | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Incinerator | - | 45 | Alkali scrubber + water scrubber | Parameters as Mentioned below | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>• Treated flue gas emissions discharge through stack of Incinerator to atmosphere shall always be less than or equal to the following parameter-specific emission standards:</p> <table border="1"> <thead> <tr> <th>PARAMETER</th> <th>EMISSION STANDARD</th> <th>SAMPLING DURATION</th> </tr> </thead> <tbody> <tr> <td>Particulates</td> <td>50 mg/Nm³</td> <td>30 Minutes</td> </tr> <tr> <td>HCl</td> <td>50 mg/Nm³</td> <td>30 Minutes</td> </tr> <tr> <td>SO₂</td> <td>200 mg/Nm³</td> <td>30 Minutes</td> </tr> <tr> <td rowspan="2">CO</td> <td>100 mg/Nm³</td> <td>30 Minutes</td> </tr> <tr> <td>50 mg/Nm³</td> <td>Standard refers to daily average value</td> </tr> <tr> <td>Total Organic Carbon</td> <td>20 mg/Nm³</td> <td>30 Minutes</td> </tr> <tr> <td>HF</td> <td>4 mg/Nm³</td> <td>30 Minutes</td> </tr> <tr> <td>NOX (NO and NO₂ expressed as NO₂)</td> <td>400 mg/Nm³</td> <td>30 Minutes</td> </tr> <tr> <td>Total dioxins and furans</td> <td>0.1 ng TEQ/Nm³</td> <td>6-8 hours sampling. Please refer guidelines for 17 concerned congeners for toxic equivalence values to arrive at total toxic equivalence.</td> </tr> <tr> <td>Cd + Th + their compounds</td> <td>0.05 mg/Nm³</td> <td>Sampling time anywhere between 30 minutes and 8 hours.</td> </tr> <tr> <td>Hg and its compounds</td> <td>0.05 mg/Nm³</td> <td>Sampling time anywhere between 30 minutes and 8 hours.</td> </tr> <tr> <td>Sb + As + Pb + Cr + Co + Cu + Mn + Ni + V + their compounds</td> <td>0.5 mg/Nm³</td> <td>Sampling time anywhere between 30 minutes and 8 hours.</td> </tr> </tbody> </table> <p>Note: All values of outlet parameters of Incinerator shall be corrected to 11% oxygen on a dry basis.</p> | | | | | | | PARAMETER | EMISSION STANDARD | SAMPLING DURATION | Particulates | 50 mg/Nm ³ | 30 Minutes | HCl | 50 mg/Nm ³ | 30 Minutes | SO ₂ | 200 mg/Nm ³ | 30 Minutes | CO | 100 mg/Nm ³ | 30 Minutes | 50 mg/Nm ³ | Standard refers to daily average value | Total Organic Carbon | 20 mg/Nm ³ | 30 Minutes | HF | 4 mg/Nm ³ | 30 Minutes | NOX (NO and NO ₂ expressed as NO ₂) | 400 mg/Nm ³ | 30 Minutes | Total dioxins and furans | 0.1 ng TEQ/Nm ³ | 6-8 hours sampling. Please refer guidelines for 17 concerned congeners for toxic equivalence values to arrive at total toxic equivalence. | Cd + Th + their compounds | 0.05 mg/Nm ³ | Sampling time anywhere between 30 minutes and 8 hours. | Hg and its compounds | 0.05 mg/Nm ³ | Sampling time anywhere between 30 minutes and 8 hours. | Sb + As + Pb + Cr + Co + Cu + Mn + Ni + V + their compounds | 0.5 mg/Nm ³ | Sampling time anywhere between 30 minutes and 8 hours. |
| PARAMETER | EMISSION STANDARD | SAMPLING DURATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Particulates | 50 mg/Nm ³ | 30 Minutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HCl | 50 mg/Nm ³ | 30 Minutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SO ₂ | 200 mg/Nm ³ | 30 Minutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CO | 100 mg/Nm ³ | 30 Minutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 50 mg/Nm ³ | Standard refers to daily average value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Organic Carbon | 20 mg/Nm ³ | 30 Minutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HF | 4 mg/Nm ³ | 30 Minutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NOX (NO and NO ₂ expressed as NO ₂) | 400 mg/Nm ³ | 30 Minutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total dioxins and furans | 0.1 ng TEQ/Nm ³ | 6-8 hours sampling. Please refer guidelines for 17 concerned congeners for toxic equivalence values to arrive at total toxic equivalence. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cd + Th + their compounds | 0.05 mg/Nm ³ | Sampling time anywhere between 30 minutes and 8 hours. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hg and its compounds | 0.05 mg/Nm ³ | Sampling time anywhere between 30 minutes and 8 hours. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sb + As + Pb + Cr + Co + Cu + Mn + Ni + V + their compounds | 0.5 mg/Nm ³ | Sampling time anywhere between 30 minutes and 8 hours. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

4.2 The Process emission through various stacks/ vent of reactors, process, vessel shall conform to the following standards:

| Stack No. | Stack attached to | Stack Height in Meter (From G.L.) | Air Pollution Control Measure (APCM) | Parameter | Permissible limit |
|-----------|------------------------------------|-----------------------------------|--------------------------------------|------------------------|--|
| 1. | Reactor of TMP Plant | 15 | Water and caustic scrubber | NH ₃ | 175 mg/Nm ³ |
| 2 | Reactor of PCL ₃ plant | 15 | Alkali Scrubber | HCl Cl ₂ | 20 mg/Nm ³ 09 mg/Nm ³ |
| 3 | Emergency vent of PCL ₃ | 15 | Alkali Scrubber | HCl Cl ₂ | 20 mg/Nm ³ 09 mg/Nm ³ |

| | | | | | |
|-----------------|-----------------------|----|---|------------------|------------------------|
| 4 | Sulphur Furnace | 45 | Water Scrubber + Alkali Scrubber (Dhal chamber) | PM | 150 mg/Nm ³ |
| | | | | HCl | 20 mg/Nm ³ |
| | | | | SO ₂ | 40 mg/Nm ³ |
| | | | | Cl ₂ | 09 mg/Nm ³ |
| | | | | H ₂ S | 45 mg/Nm ³ |
| | | | | CO | 150 mg/Nm ³ |
| NO _x | 25 mg/NM ³ | | | | |

4.3 The concentration of the following parameters in the ambient air within the premises of the unit shall not exceed the limits specified hereunder.

| Sr. No. | Parameters | Permissible Limit (microgram /m ³) | |
|---------|---|--|------------------|
| | | Annual | 24 Hours Average |
| 1. | Particulate Matter (PM ₁₀) | 60 | 100 |
| 2. | Particulate Matter (PM _{2.5}) | 40 | 60 |
| 3. | Oxides of Sulphur (SO _x) | 50 | 80 |
| 4. | Oxides of Nitrogen (NO _x) | 40 | 80 |

- Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.
- 24 hourly or 08 hourly or 01 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.

4.4 Unit shall operate industrial plant / air pollution control equipment very efficiently and continuously so that the gaseous emission always conforms to the standards specified as above.

4.5 The consent to operate the industrial plant shall lapse if at any time the parameters of the gaseous emission are not within the tolerance limits specified as above.

4.6 Unit shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.

4.7 Unit shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75 dB(a) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.

4.8 All efforts shall be made to control VOC emissions and odor problem, if any.

5 GENERAL CONDITIONS: -

5.1 In case of change of ownership/ management the name and address of the new ownership/ partners/ directors/ proprietor should immediately be intimate to the Board. Also any change in equipment or working conditions as mentioned in the consents form/ order should immediately be intimated to this Board.

5.2 Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is at least 1000 trees per acre of land and a green belt of 5 meters width is developed.

5.3 Unit shall put up at the entrance a board displaying the name of unit, particulars of the products/ process and the name of proprietor/partners /directors of the unit and the electricity consumer number as on the record of DGVCL.



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,
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6. **AUTHORISATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES Form-2 (See rule 6(2)).**
- 6.1 Number of authorization: **AWH-118890 date of Issue 23/05/2022.**
- 6.2 **M/s. CHEMINOVA INDIA LTD** is hereby granted an authorization to operate facility for following hazardous wastes on the premises situated at **PLOT NO: 27,28, GIDC ESTATE PANOLI, DIST: BHARUCH.**

| Sr. No. | Name of Haz. Waste | Cate. Num. | Quantity in MT/Year | Facility |
|---------|----------------------------------|------------|---------------------|---|
| 1 | ETP Sludge | 35.3 | 1800 | Collection, Storage, Transportation, disposal at TSDf-BEIL / SEPPL. |
| 2 | Used Oil | 5.1 | 11.04 | Collection, Storage, Transportation and Disposal by Reuse in plant & machinery as lubricant or sell it to authorized re-refiners / recycler. |
| 3 | Discarded Container Bags/Liners | 33.1 | 1943 | Collection, Storage, Decontamination, sale to authorize traders, Decontamination Facility/scrap dealers. Used Bags/Liners to BEIL/ Detox/ SEPPL/Safe Enviro or others. |
| 4 | Process Waste & Residue | 29.1 | 12821 | Collection, Storage, Transportation, disposal at TSDf facility of BEIL/SEPPL/ GSPL/ PALSANA,/ RSPL/ Co-processing in cement industries. |
| 5 | Solid waste/ Evaporation salt | 29.1 | 9259 | |
| 6 | Recovered sulfur | B37 | 4320 | Collection, Storage, Transportation, disposal at TSDf-BEIL & SEPPL. |
| 7 | Sodium Hydro sulfide 30 % | - | 3240 | Collection, Storage, Transportation and Disposal by sell out to authorized users who is having authorization with valid CCA and rule 9 permission to receive this waste after making MoU. |
| 8 | Hydrochloric Acid 30 % | B-15 | 4152 | |
| 9 | Phosphoric Acid | B-15 | 1460 | |
| 10 | Sodium Bisulphite Powder | B-23 | 2250 | |
| 11 | Sodium Bisulphite Solution (30%) | B-23 | 7440 | |
| 12 | Sodium Sulphite (30%) | B-15 | 3775 | |

- 6.3 The authorization is granted to operate a facility as above.
- 6.4 The authorization shall be in force for a period **up to 04/03/2027.**
- 6.5 The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act-1986.

7. **TERMS AND CONDITIONS OF AUTHORISATION:**

- 7.1 The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.

Clean Gujarat Green Gujarat

Website : <https://gpcb.gujarat.gov.in>

Outward No: 3312/2022/09

- 7.2 The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the Gujarat Pollution Control Board.
- 7.3 The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
- 7.4 Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
- 7.5 The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
- 7.6 The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"
- 7.7 It is the duty of the authorised person to take prior permission of the Gujarat Pollution Control Board to close down the facility.
- 7.8 The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- 7.9 The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 7.10 The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
- 7.11 The importer or exporter shall bear the cost of import or export and mitigation of damages if, any.
- 7.12 An application for the renewal of an authorization shall be made as laid down under Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016.
- 7.13 Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
- 7.14 Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- 7.15 Unit shall have to display the relevant information with regard to hazardous waste as indicated in the Court's order in W.P. No. 657 of 1995 dated 14th October 2003.
- 7.16 Unit shall have to display on-line data outside the main factory gate with regard to and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises.
- 7.17 Unit shall have to manage used or spent oil; empty or discarded barrels / containers / liners contaminated with hazardous chemicals / wastes, process waste as per Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016, framed under the E(P)Act-1986 and shall apply Authorization for all applicable waste.

**For and on behalf of
GUJARAT POLLUTION CONTROL BOARD**



**(Arun G. Patel)
ENVIRONMENT ENGINEER**

Date – 5th June 2023

Ref No. CHEMINOVA/INTER/06/05/2023/01

PCB ID -15016

To
Member Secretary
GUJARAT POLLUTION CONTROL BOARD
PARYAVARAN BHAWAN
SECTOR 10 -A, GANDHINAGAR – 382043.

Subject: Submission of Annual returns (Form -4)

Respected Sir,

We hereby declare that we have sent hazardous waste to different facilities during the period of April - 2022 to March 2023 as per the Authorization for "The Hazardous and Other waste (Management & Transboundary Movement) Rule 2016.

We have also attached the details of disposal of used Batteries as per the Batteries (Management and Handling) Amendment Rules, 2010

This is as per the requirement of Rule – [6(5), 13(8),16(6) and 20 (2)].

We have uploaded the attached Form -IV at. xgn site. The hard copies are enclosed with this letter.

Thanking You,

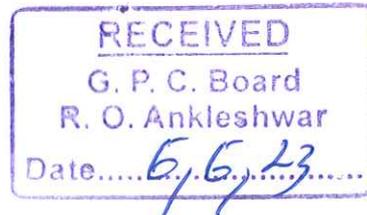
For CHEMINOVA INDIA LTD.

AUTHORISED SIGNATORY

Encl: As above

CC: Regional Office, Ankleshwar.

Enc. Form -4



PART-A

| 1 | Total Quantity of Category wise waste generated category wise | Hazardous waste generation | Category | Quantity Generated (in MT) |
|---|---|--|--------------|---|
| | | 1. Chemical sludge from wastewater treatment (ETP Sludge) | 35.3 | 1531.000 |
| | | 2. Used or spent oil | 5.1 | 0.785 |
| | | 3. Empty barrels/containers/ liners contaminated with hazardous chemicals / wastes (a) Non-Recyclable Plastic / Contaminated liners, bags (Landfill +Incineration) (b) Insulation waste (c) Discarded containers/Drum/ packing etc | 33.1 | (28.055+ 14.265) 13.150 16.245 |
| | | | | Total Qty.= 71.715 |
| | | 4. Process waste or Residue (a) For Incineration (b) For Co-process | 29.1 29.1 | 1876.875 |
| | | 5. Process waste or Residue (Solid waste / Evaporation Salt) | 29.1 | Nil |
| | | 6. Total Sulphur | B37 | 0.300 |
| | | 7. Battery | | 56 Nos. /0.110 MT 02 Nos. / 0.050 MT |



PART-A

| 2 | Total Quantity of Category wise waste Disposed | Hazardous waste | Category | To Disposal Facility TSDF/CHWIF (in MT) | To Recycler/Co-processors (in MT) | To Others/ Recycler (in MT) | Remarks (Details enclose as) | |
|---|--|---|--------------|---|-----------------------------------|--|------------------------------|-----|
| | 1. | Chemical sludge from wastewater treatment (ETP Sludge) | 35.3 | 1551.450 | Nil | Nil | ANNEXURE-A | |
| | 2. | Used or spent oil | 5.1 | Nil | Nil | 0.785 | ANNEXURE- B | |
| | 3. | Empty barrels/containers/ liners contaminated with hazardous chemicals / wastes (a) Non-Recyclable Plastic / Contaminated liners, bags (b) Insulation waste (c) Discarded containers/Drum/ liner | 33.1 | 30.71+14.265= 44.975 16.805- -- Total Qty.=76.970 | | 15.190 | ANNEXURE- C | |
| | 4. | Process waste or Residue (a) For Incineration (b) For Co-process | 29.1 29.1 | -- | (b) 1889.08 | Nil | ANNEXURE- D | |
| | 5. | Process waste or Residue (Solid waste / Evaporation Salt) | 29.1 | Nil | Nil | Nil | Nil | |
| | 6. | Total Sulphur | B37 | 8.685 | Nil | Nil | ANNEXURE- E | |
| | 7. | Battery | | Nil | Nil | 56 Nos./0.110 MT 02 Nos. / 0.050 MT | ANNEXURE- F | |
| 3 | Quantity utilized in-house | | | | | | | NIL |



PART-A

| 4 | Total Quantity of Category wise waste storage at the end of the year | Hazardous waste | Category | Quantity (in MT) |
|---|--|--|--------------|---|
| | | 1. Chemical sludge from wastewater treatment (ETP Sludge) | 35.3 | 29.035 |
| | | 2. Used or spent oil | 5.1 | Nil |
| | | 3. Empty barrels/containers/ liners contaminated with hazardous chemicals / wastes (d) Non-Recyclable Plastic / Contaminated liners, bags (e) Insulation waste (f) Asbestos sheet (g) Discarded containers/Drum/ liner | 33.1 | Nil Nil Nil 1.865 Total Qty.= 1.865 |
| | | 4. Process waste or Residue (c) For Incineration (d) For Co-process | 29.1 29.1 | 14.922 |
| | | 5. Process waste or Residue (Solid waste / Evaporation Salt) | 29.1 | Nil |
| | | 6. Total Sulphur | B37 | Nil |
| | | 7. Battery | | Nil |



PART-A

HAZARDOUS WASTE DISPOSAL DETAILS

ANNEXURE- A

(1) Chemical sludge from wastewater treatment (ETP Sludge) Cat- 35.3

| Month of disposal | Date of disposal | Manifest No. | Quantity (In MT) | Disposed to | |
|-------------------|------------------|--------------|------------------|-------------|-------------|
| Apr-22 | 5-Apr-22 | 1643202 | 35.700 | Safe Enviro | |
| | 7-Apr-22 | 1675748 | 31.430 | Safe Enviro | |
| | 12-Apr-22 | 1690954 | 23.950 | Safe Enviro | |
| | 18-Apr-22 | 1696719 | 27.050 | Safe Enviro | |
| | 19-Apr-22 | 1697843 | 17.185 | Safe Enviro | |
| | 19-Apr-22 | 1698576 | 28.310 | Safe Enviro | |
| | 25-Apr-22 | 1704625 | 19.935 | Safe Enviro | |
| May-22 | 14-May-22 | 1734431 | 17.065 | Safe Enviro | |
| | 23-May-22 | 1744156 | 21.000 | Safe Enviro | |
| | 25-May-22 | 1746520 | 21.005 | Safe Enviro | |
| | 27-May-22 | 1748410 | 17.750 | Safe Enviro | |
| | 31-May-22 | 1752745 | 21.725 | Safe Enviro | |
| Jul-22 | 19-Jul-22 | 1789959 | 34.520 | Safe Enviro | |
| | 19-Jul-22 | 1790027 | 34.200 | Safe Enviro | |
| Aug-22 | 16-Aug-22 | 1809131 | 45.170 | Safe Enviro | |
| | 22-Aug-22 | 1813017 | 42.770 | Safe Enviro | |
| | 25-Aug-22 | 1815204 | 23.770 | Safe Enviro | |
| Sep-22 | 14-Sep-22 | 1829878 | 24.790 | Safe Enviro | |
| | 14-Sep-22 | 1830182 | 31.850 | Safe Enviro | |
| Oct-22 | 29-Oct-22 | 1873548 | 31.550 | Safe Enviro | |
| | 29-Oct-22 | 1873662 | 30.390 | Safe Enviro | |
| Nov-22 | 1-Nov-22 | 1875407 | 17.805 | BEIL | |
| | 1-Nov-22 | 1876182 | 21.805 | Safe Enviro | |
| | 2-Nov-22 | 1875452 | 19.260 | BEIL | |
| | 12-Nov-22 | 1886802 | 30.430 | Safe Enviro | |
| | 14-Nov-22 | 1888790 | 33.060 | Safe Enviro | |
| | 18-Nov-22 | 1893047 | 23.125 | Safe Enviro | |
| | 23-Nov-22 | 1898006 | 23.485 | Safe Enviro | |
| | 26-Nov-22 | 1901384 | 21.370 | Safe Enviro | |
| | Dec-22 | 3-Dec-22 | 1908477 | 20.860 | Safe Enviro |
| | | 5-Dec-22 | 1910251 | 20.595 | Safe Enviro |
| | | 8-Dec-22 | 1913121 | 27.785 | Safe Enviro |
| 9-Dec-22 | | 1914418 | 23.595 | Safe Enviro | |
| 13-Dec-22 | | 1918080 | 19.575 | Safe Enviro | |
| 14-Dec-22 | | 1918857 | 21.045 | Safe Enviro | |
| 15-Dec-22 | | 1920236 | 22.145 | Safe Enviro | |
| 16-Dec-22 | | 1920503 | 15.760 | BEIL | |
| 17-Dec-22 | | 1922244 | 22.525 | Safe Enviro | |
| 25-Dec-22 | | 1929562 | 19.645 | Safe Enviro | |
| Jan-23 | 2-Jan-23 | 1937534 | 24.915 | Safe Enviro | |
| | 11-Jan-23 | 1945842 | 15.185 | BEIL | |
| | 13-Jan-23 | 1948617 | 20.110 | Safe Enviro | |
| | 17-Jan-23 | 1951374 | 22.415 | Safe Enviro | |
| | 20-Jan-23 | 1954617 | 27.780 | Safe Enviro | |



| Month of disposal | Date of disposal | Manifest No. | Quantity (In MT) | Disposed to |
|-------------------------------|------------------|--------------|------------------|-------------|
| Jan-23 | 23-Jan-23 | 1957274 | 28.150 | Safe Enviro |
| | 23-Jan-23 | 1957241 | 21.060 | Safe Enviro |
| | 25-Jan-23 | 1959318 | 23.065 | Safe Enviro |
| | 25-Jan-23 | 1959516 | 21.505 | Safe Enviro |
| | 28-Jan-23 | 1961213 | 23.175 | Safe Enviro |
| | 30-Jan-23 | 1963920 | 48.490 | Safe Enviro |
| Feb-23 | 2-Feb-23 | 1966862 | 10.745 | BEIL |
| | 3-Feb-23 | 1967004 | 19.545 | Safe Enviro |
| | 6-Feb-23 | 1970971 | 39.565 | Safe Enviro |
| | 13-Feb-23 | 1978150 | 28.135 | Safe Enviro |
| | 15-Feb-23 | 1980118 | 25.865 | Safe Enviro |
| | 18-Feb-23 | 1982949 | 19.025 | Safe Enviro |
| | 25-Feb-23 | 1990105 | 19.430 | Safe Enviro |
| | 27-Feb-23 | 1991759 | 29.665 | Safe Enviro |
| Mar-23 | 4-Mar-23 | 2026447 | 21.400 | Safe Enviro |
| | 6-Mar-23 | 2028324 | 22.715 | Safe Enviro |
| | 10-Mar-23 | 2030752 | 28.585 | Safe Enviro |
| | 19-Mar-23 | 2039340 | 25.940 | Safe Enviro |
| TOTAL QUANTITY (In MT) | | | 1551.450 | |

ANNEXURE- B

(2) Used or spent oil Cat-5.1

| Month of disposal | Date of disposal | Manifest No. | Quantity (In MT) | Disposed to Refiners |
|-------------------|------------------|--------------|------------------|-------------------------|
| Jul-22 | 20-Jul-22 | 1790943 | 0.785 | ABC Organic & Chemicals |

ANNEXURE- C

(3) Empty barrels/containers/ liners contaminated with hazardous chemicals / wastes Cat -33.1

(a) Non-Recyclable Plastic /Contaminated liners, bags (Land Filling / Incineration)

| Month of disposal | Date of disposal | Manifest No. | Quantity (In MT) | Disposed to |
|--|------------------|--------------|------------------|-------------|
| Apr-22 | 18-Apr-22 | 1696455 | 1.520 | BEIL |
| | 30-Apr-22 | 1710261 | 1.435 | BEIL |
| May-22 | 4-May-22 | 1713769 | 1.900 | BEIL |
| | 5-May-22 | 1715331 | 1.350 | BEIL |
| | 7-May-22 | 1717529 | 1.155 | BEIL |
| | 14-May-22 | 1734946 | 1.815 | BEIL |
| Jun-22 | 4-Jun-22 | 1756941 | 2.665 | BEIL |
| Oct-22 | 21-Oct-22 | 1869493 | 2.095 | BEIL |
| Nov-22 | 3-Nov-22 | 1877508 | 1.130 | BEIL |
| | 4-Nov-22 | 1879102 | 1.335 | BEIL |
| | 10-Nov-22 | 1884697 | 2.410 | BEIL |
| | 11-Nov-22 | 1885874 | 1.300 | BEIL |
| | 11-Nov-22 | 1885694 | 2.055 | BEIL |
| | 18-Nov-22 | 1893011 | 1.450 | BEIL |
| | 19-Nov-22 | 1894126 | 1.975 | BEIL |
| | 21-Nov-22 | 1896032 | 1.050 | BEIL |
| Dec-22 | 1-Dec-22 | 1906689 | 1.195 | BEIL |
| Jan-23 | 7-Jan-23 | 1942274 | 1.085 | BEIL |
| | 19-Jan-23 | 1953147 | 1.790 | BEIL |
| Sub Total Quantity Sent For Landfilling (In MT) | | | 30.71 | |



| Month of disposal | Date of disposal | Manifest No. | Quantity (In MT) | Disposed to |
|---|------------------|--------------|------------------|-------------|
| May-22 | 6-May-22 | 1716385 | 2.345 | SEPPL |
| | 23-May-22 | 1743911 | 1.940 | SEPPL |
| | 31-May-22 | 1753042 | 3.265 | SEPPL |
| Jun-22 | 13-Jun-22 | 1764018 | 2.190 | SEPPL |
| Aug-22 | 26-Aug-22 | 1816225 | 4.525 | SEPPL |
| Sub Total Quantity Sent For Incineration (In MT) | | | 14.265 | |

(3) Empty barrels/containers/ liners contaminated with hazardous chemicals / wastes Cat -33.1

(b) Insulation waste (Land Filling)

| Month of disposal | Date of disposal | Manifest No. | Quantity (In MT) | Disposed to |
|-------------------------------|------------------|--------------|------------------|-------------|
| Apr-22 | 25-Apr-22 | 1704445 | 0.940 | BEIL |
| | 26-Apr-22 | 1705475 | 1.190 | BEIL |
| | 26-Apr-22 | 1705468 | 1.085 | BEIL |
| May-22 | 13-May-22 | 1733352 | 0.715 | BEIL |
| Jun-22 | 7-Jun-22 | 1759328 | 0.590 | BEIL |
| Oct-22 | 21-Oct-22 | 1869475 | 1.505 | BEIL |
| | 22-Oct-22 | 1870325 | 1.305 | BEIL |
| | 28-Oct-22 | 1872773 | 1.040 | BEIL |
| Nov-22 | 9-Nov-22 | 1882807 | 0.910 | BEIL |
| | 9-Nov-22 | 1883197 | 1.185 | BEIL |
| | 12-Nov-22 | 1886641 | 0.840 | BEIL |
| | 13-Nov-22 | 1887606 | 0.625 | BEIL |
| | 15-Nov-22 | 1889397 | 0.610 | BEIL |
| Jan-23 | 17-Jan-23 | 1951349 | 1.120 | BEIL |
| Feb-23 | 13-Feb-23 | 1978167 | 0.880 | BEIL |
| | 17-Feb-23 | 1982489 | 0.990 | BEIL |
| Mar-23 | 3-Mar-23 | 2025132 | 1.275 | BEIL |
| TOTAL QUANTITY (In MT) | | | 16.805 | |

(3) Empty barrels/containers/ liners contaminated with hazardous chemicals / wastes Cat -33.1

(C) Empty Container , Drums/Bag / Liner - To Decontamination Facility

| Month of disposal | Date of disposal | Manifest No. | Quantity (In MT) | Disposed to |
|-------------------------------|------------------|--------------|------------------|------------------------|
| Apr-22 | 18-Apr-22 | 1696889 | 0.850 | Anas Green Environment |
| Jun-22 | 1-Jun-22 | 1753685 | 2.530 | Anas Green Environment |
| | 2-Jun-22 | 1754677 | 2.555 | Anas Green Environment |
| | 3-Jun-22 | 1755809 | 1.030 | Anas Green Environment |
| Jan-23 | 4-Jan-23 | 1939494 | 2.470 | Anas Green Environment |
| | 25-Jan-23 | 1959500 | 1.190 | Anas Green Environment |
| | 27-Jan-23 | 1960948 | 1.180 | Anas Green Environment |
| | 28-Jan-23 | 1962118 | 1.190 | Anas Green Environment |
| Feb-23 | 1-Feb-23 | 1966210 | 2.195 | Anas Green Environment |
| TOTAL QUANTITY (In MT) | | | 15.190 | |



4 Process waste or Residue Cat -29.1

(a) For Incineration

| Month of disposal | Date of disposal | Manifest No. | Quantity (In MT) | Disposed to |
|-------------------|------------------|--------------|------------------|-------------|
| Nil | | | | |

4. Process waste or Residue Cat -29.1

(b) For Co-processing

| Month of disposal | Date of disposal | Manifest No. | Quantity (In MT) | Disposed to |
|-------------------|------------------|--------------|------------------|----------------------|
| Apr-22 | 5-Apr-22 | 1643657 | 8.085 | Eco Waste management |
| | 6-Apr-22 | 1643830 | 22.950 | RSPL |
| | 6-Apr-22 | 1644028 | 8.020 | Eco Waste management |
| | 12-Apr-22 | 1690140 | 7.440 | Eco Waste management |
| | 13-Apr-22 | 1691582 | 15.560 | Eco Waste management |
| | 13-Apr-22 | 1692851 | 22.970 | RSPL |
| | 14-Apr-22 | 1693157 | 7.270 | Eco Waste management |
| | 15-Apr-22 | 1693859 | 6.170 | Eco Waste management |
| | 16-Apr-22 | 1694958 | 8.500 | Eco Waste management |
| | 17-Apr-22 | 1695688 | 6.695 | Eco Waste management |
| | 18-Apr-22 | 1696260 | 19.645 | RSPL |
| | 18-Apr-22 | 1696599 | 8.555 | Eco Waste management |
| | 19-Apr-22 | 1698556 | 27.805 | Eco Waste management |
| | 20-Apr-22 | 1699191 | 8.230 | Eco Waste management |
| | 22-Apr-22 | 1701763 | 7.330 | Eco Waste management |
| | 22-Apr-22 | 1701911 | 4.320 | RSPL |
| | 25-Apr-22 | 1704376 | 7.950 | Eco Waste management |
| | 28-Apr-22 | 1707949 | 7.770 | Eco Waste management |
| | 28-Apr-22 | 1708163 | 8.355 | Eco Waste management |
| | 28-Apr-22 | 1708280 | 4.970 | Eco Waste management |
| May-22 | 2-May-22 | 1711940 | 8.515 | Eco Waste management |
| | 5-May-22 | 1715300 | 8.600 | Eco Waste management |
| | 9-May-22 | 1718800 | 8.450 | Eco Waste management |
| | 9-May-22 | 1719126 | 6.805 | Eco Waste management |
| | 10-May-22 | 1730144 | 8.350 | Eco Waste management |
| | 10-May-22 | 1730107 | 26.430 | Eco Waste management |
| | 13-May-22 | 1733251 | 8.460 | Eco Waste management |
| | 15-May-22 | 1735447 | 8.410 | Eco Waste management |
| | 19-May-22 | 1739574 | 8.095 | Eco Waste management |
| | 19-May-22 | 1739566 | 8.055 | Eco Waste management |
| | 19-May-22 | 1739628 | 7.420 | Eco Waste management |
| | 21-May-22 | 1742294 | 7.570 | Eco Waste management |
| | 22-May-22 | 1742597 | 8.595 | Eco Waste management |
| | 25-May-22 | 1745889 | 8.605 | Eco Waste management |
| | 25-May-22 | 1746182 | 5.920 | RSPL |
| | 25-May-22 | 1746368 | 21.490 | RSPL |
| | 25-May-22 | 1746393 | 1.545 | Eco Waste management |
| | 27-May-22 | 1748566 | 8.455 | Eco Waste management |
| | 28-May-22 | 1749572 | 25.040 | Eco Waste management |
| | 29-May-22 | 1750392 | 8.450 | Eco Waste management |
| | 31-May-22 | 1752803 | 8.220 | Eco Waste management |



| Month of disposal | Date of disposal | Manifest No. | Quantity (In MT) | Disposed to | |
|-------------------|------------------|--------------|----------------------|----------------------|----------------------|
| Jun-22 | 1-Jun-22 | 1753689 | 5.525 | Eco Waste management | |
| | 3-Jun-22 | 1755909 | 8.435 | Eco Waste management | |
| | 7-Jun-22 | 1758634 | 21.160 | Eco Waste management | |
| | 9-Jun-22 | 1760749 | 8.455 | Eco Waste management | |
| | 11-Jun-22 | 1762858 | 8.250 | Eco Waste management | |
| | 13-Jun-22 | 1763773 | 8.620 | Eco Waste management | |
| | 14-Jun-22 | 1764583 | 22.735 | Eco Waste management | |
| | 15-Jun-22 | 1766053 | 8.320 | Eco Waste management | |
| | 18-Jun-22 | 1767922 | 16.005 | Eco Waste management | |
| | 18-Jun-22 | 1768179 | 8.545 | Eco Waste management | |
| | 20-Jun-22 | 1769731 | 8.685 | Eco Waste management | |
| | 23-Jun-22 | 1771640 | 8.455 | Eco Waste management | |
| | 23-Jun-22 | 1772116 | 17.490 | RSPL | |
| | 23-Jun-22 | 1771942 | 8.195 | Eco Waste management | |
| | 26-Jun-22 | 1773940 | 8.380 | Eco Waste management | |
| | 26-Jun-22 | 1773999 | 7.585 | Eco Waste management | |
| | 30-Jun-22 | 1777198 | 8.925 | Eco Waste management | |
| | 30-Jun-22 | 1777015 | 9.435 | Eco Waste management | |
| | Jul-22 | 2-Jul-22 | 1778688 | 8.485 | Eco Waste management |
| | | 3-Jul-22 | 1778992 | 22.240 | RSPL |
| 7-Jul-22 | | 1782135 | 7.765 | Eco Waste management | |
| 9-Jul-22 | | 1783423 | 8.790 | Eco Waste management | |
| 10-Jul-22 | | 1783995 | 4.500 | Eco Waste management | |
| 12-Jul-22 | | 1785340 | 8.525 | Eco Waste management | |
| 12-Jul-22 | | 1785100 | 8.505 | Eco Waste management | |
| 19-Jul-22 | | 1789741 | 8.345 | Eco Waste management | |
| 20-Jul-22 | | 1790412 | 7.805 | Eco Waste management | |
| 22-Jul-22 | | 1792080 | 8.190 | Eco Waste management | |
| 24-Jul-22 | | 1793584 | 5.610 | RSPL | |
| 24-Jul-22 | | 1793617 | 7.850 | Eco Waste management | |
| 27-Jul-22 | | 1795972 | 7.805 | Eco Waste management | |
| 27-Jul-22 | | 1795978 | 5.720 | Eco Waste management | |
| 30-Jul-22 | | 1797753 | 8.670 | Eco Waste management | |
| 30-Jul-22 | | 1798058 | 6.265 | Eco Waste management | |
| Aug-22 | | 2-Aug-22 | 1799913 | 8.800 | Eco Waste management |
| | 4-Aug-22 | 1801165 | 8.225 | Eco Waste management | |
| | 4-Aug-22 | 1801583 | 6.820 | Eco Waste management | |
| | 8-Aug-22 | 1803681 | 7.930 | Eco Waste management | |
| | 10-Aug-22 | 1805240 | 8.220 | Eco Waste management | |
| | 11-Aug-22 | 1805992 | 8.425 | Eco Waste management | |
| | 14-Aug-22 | 1807779 | 8.270 | Eco Waste management | |
| | 15-Aug-22 | 1808223 | 8.410 | Eco Waste management | |
| | 18-Aug-22 | 1810319 | 8.580 | Eco Waste management | |
| | 20-Aug-22 | 1811401 | 8.200 | Eco Waste management | |
| | 23-Aug-22 | 1813336 | 7.955 | Eco Waste management | |
| | 24-Aug-22 | 1814384 | 8.130 | Eco Waste management | |
| | 25-Aug-22 | 1815014 | 8.580 | Eco Waste management | |
| 25-Aug-22 | 1815264 | 5.840 | RSPL | | |
| 29-Aug-22 | 1817850 | 6.020 | Eco Waste management | | |
| 29-Aug-22 | 1817911 | 7.030 | Eco Waste management | | |



| Month of disposal | Date of disposal | Manifest No. | Quantity (In MT) | Disposed to | |
|-------------------|------------------|--------------|----------------------|----------------------|----------------------|
| Sep-22 | 2-Sep-22 | 1820917 | 8.040 | Eco Waste management | |
| | 4-Sep-22 | 1822381 | 8.200 | Eco Waste management | |
| | 12-Sep-22 | 1827902 | 7.515 | Eco Waste management | |
| | 12-Sep-22 | 1828192 | 7.200 | Eco Waste management | |
| | 16-Sep-22 | 1831242 | 8.045 | Eco Waste management | |
| | 20-Sep-22 | 1844056 | 7.395 | Eco Waste management | |
| | 20-Sep-22 | 1844109 | 6.395 | Eco Waste management | |
| | 22-Sep-22 | 1845807 | 7.905 | Eco Waste management | |
| | 24-Sep-22 | 1847887 | 7.920 | Eco Waste management | |
| | 27-Sep-22 | 1849272 | 8.395 | Eco Waste management | |
| | 29-Sep-22 | 1850588 | 8.435 | Eco Waste management | |
| | Oct-22 | 1-Oct-22 | 1852033 | 8.030 | Eco Waste management |
| | | 6-Oct-22 | 1855298 | 7.995 | Eco Waste management |
| | | 9-Oct-22 | 1858060 | 7.990 | Eco Waste management |
| 10-Oct-22 | | 1858655 | 7.735 | Eco Waste management | |
| 13-Oct-22 | | 1861052 | 7.815 | Eco Waste management | |
| 15-Oct-22 | | 1863132 | 7.805 | Eco Waste management | |
| 20-Oct-22 | | 1868066 | 7.545 | Eco Waste management | |
| 22-Oct-22 | | 1870127 | 7.955 | Eco Waste management | |
| 22-Oct-22 | | 1870515 | 7.075 | RSPL | |
| 25-Oct-22 | | 1871485 | 7.940 | Eco Waste management | |
| 29-Oct-22 | | 1873510 | 7.745 | Eco Waste management | |
| Nov-22 | | 1-Nov-22 | 1875662 | 5.260 | Eco Waste management |
| | | 1-Nov-22 | 1875483 | 7.915 | Eco Waste management |
| | | 5-Nov-22 | 1879796 | 7.995 | Eco Waste management |
| | 6-Nov-22 | 1880638 | 7.810 | Eco Waste management | |
| | 8-Nov-22 | 1882615 | 4.535 | Eco Waste management | |
| | 8-Nov-22 | 1882120 | 7.705 | Eco Waste management | |
| | 12-Nov-22 | 1886760 | 7.750 | Eco Waste management | |
| | 12-Nov-22 | 1887044 | 5.435 | Eco Waste management | |
| | 14-Nov-22 | 1888980 | 7.735 | Eco Waste management | |
| | 16-Nov-22 | 1890651 | 6.770 | Eco Waste management | |
| | 21-Nov-22 | 1895436 | 7.860 | Eco Waste management | |
| | 22-Nov-22 | 1896998 | 7.410 | Eco Waste management | |
| | 24-Nov-22 | 1899347 | 8.235 | Eco Waste management | |
| | 26-Nov-22 | 1901607 | 4.030 | Eco Waste management | |
| 28-Nov-22 | 1902665 | 8.290 | Eco Waste management | | |
| Dec-22 | 1-Dec-22 | 1906298 | 8.465 | Eco Waste management | |
| | 3-Dec-22 | 1908287 | 8.510 | Eco Waste management | |
| | 6-Dec-22 | 1910827 | 8.485 | Eco Waste management | |
| | 8-Dec-22 | 1912899 | 8.435 | Eco Waste management | |
| | 13-Dec-22 | 1917994 | 8.430 | Eco Waste management | |
| | 14-Dec-22 | 1919311 | 8.410 | Eco Waste management | |
| | 15-Dec-22 | 1919617 | 4.535 | Eco Waste management | |
| | 15-Dec-22 | 1919895 | 8.210 | Eco Waste management | |
| | 17-Dec-22 | 1922102 | 6.790 | Eco Waste management | |
| | 21-Dec-22 | 1925615 | 8.150 | Eco Waste management | |
| | 23-Dec-22 | 1927542 | 4.405 | Eco Waste management | |
| | 23-Dec-22 | 1927780 | 8.290 | Eco Waste management | |
| | 24-Dec-22 | 1929168 | 4.455 | Eco Waste management | |
| | 27-Dec-22 | 1931528 | 8.585 | Eco Waste management | |



| Month of disposal | Date of disposal | Manifest No. | Quantity (In MT) | Disposed to |
|-------------------|------------------|--------------|----------------------|----------------------|
| Dec-22 | 30-Dec-22 | 1934489 | 8.060 | Eco Waste management |
| | 30-Dec-22 | 1934847 | 25.200 | Eco Waste management |
| Jan-23 | 3-Jan-23 | 1938241 | 26.050 | Eco waste Management |
| | 3-Jan-23 | 1938732 | 8.320 | Eco waste Management |
| | 4-Jan-23 | 1939783 | 28.850 | Eco waste Management |
| | 5-Jan-23 | 1940067 | 29.085 | Eco waste Management |
| | 5-Jan-23 | 1940523 | 8.615 | Eco waste Management |
| | 6-Jan-23 | 1941896 | 8.005 | Eco waste Management |
| | 8-Jan-23 | 1943132 | 8.210 | Eco waste Management |
| | 9-Jan-23 | 1943679 | 27.055 | Eco waste Management |
| | 17-Jan-23 | 1951421 | 7.080 | Eco waste Management |
| | 18-Jan-23 | 1951983 | 8.045 | Eco waste Management |
| | 20-Jan-23 | 1954440 | 7.155 | Eco waste Management |
| | 21-Jan-23 | 1955404 | 6.905 | Eco waste Management |
| | 22-Jan-23 | 1956140 | 6.260 | Eco waste Management |
| | 23-Jan-23 | 1957201 | 3.960 | Eco waste Management |
| | 24-Jan-23 | 1958406 | 8.570 | Eco waste Management |
| | 25-Jan-23 | 1958952 | 23.800 | RSPL |
| | 25-Jan-23 | 1959298 | 6.770 | Eco waste Management |
| | 27-Jan-23 | 1960953 | 8.240 | Eco waste Management |
| | 29-Jan-23 | 1962950 | 7.960 | Eco waste Management |
| | 29-Jan-23 | 1963187 | 24.795 | RSPL |
| 30-Jan-23 | 1963525 | 7.380 | Eco waste Management | |
| Feb-23 | 1-Feb-23 | 1965659 | 7.355 | Eco waste Management |
| | 1-Feb-23 | 1966190 | 7.390 | Eco waste Management |
| | 4-Feb-23 | 1969109 | 8.440 | Eco waste Management |
| | 5-Feb-23 | 1969654 | 8.625 | Eco waste Management |
| | 7-Feb-23 | 1972229 | 4.820 | Eco waste Management |
| | 9-Feb-23 | 1974037 | 8.530 | Eco waste Management |
| | 11-Feb-23 | 1975972 | 7.940 | Eco waste Management |
| | 13-Feb-23 | 1978140 | 7.795 | Eco waste Management |
| | 13-Feb-23 | 1978176 | 3.705 | Eco waste Management |
| | 15-Feb-23 | 1979776 | 7.255 | Eco waste Management |
| | 15-Feb-23 | 1980125 | 7.245 | Eco waste Management |
| | 18-Feb-23 | 1982751 | 8.725 | Eco waste Management |
| | 19-Feb-23 | 1983692 | 2.710 | Eco waste Management |
| | 21-Feb-23 | 1985982 | 8.415 | Eco waste Management |
| | 23-Feb-23 | 1987632 | 6.840 | Eco waste Management |
| | 23-Feb-23 | 1987762 | 6.305 | Eco waste Management |
| | 25-Feb-23 | 1989956 | 4.225 | Eco waste Management |
| | 25-Feb-23 | 1990138 | 8.080 | Eco waste Management |
| | 27-Feb-23 | 1991303 | 8.685 | Eco waste Management |
| | 28-Feb-23 | 1992994 | 6.915 | Eco waste Management |
| Mar-23 | 3-Mar-23 | 2004367 | 22.405 | RSPL |
| | 3-Mar-23 | 2004380 | 8.445 | Eco waste Management |
| | 3-Mar-23 | 2025131 | 5.960 | Eco waste Management |
| | 3-Mar-23 | 2025986 | 7.220 | Eco waste Management |
| | 4-Mar-23 | 2026451 | 7.760 | Eco waste Management |
| | 5-Mar-23 | 2027300 | 7.145 | Eco waste Management |
| | 9-Mar-23 | 2029622 | 8.565 | Eco waste Management |
| | 9-Mar-23 | 2029753 | 6.495 | Eco waste Management |



| Month of disposal | Date of disposal | Manifest No. | Quantity (In MT) | Disposed to |
|-------------------------------|------------------|--------------|------------------|----------------------|
| Mar-23 | 10-Mar-23 | 2030360 | 22.880 | RSPL |
| | 11-Mar-23 | 2031362 | 7.980 | Eco waste Management |
| | 14-Mar-23 | 2034098 | 8.485 | Eco waste Management |
| | 16-Mar-23 | 2036298 | 6.385 | Eco waste Management |
| | 16-Mar-23 | 2036724 | 7.465 | Eco waste Management |
| | 20-Mar-23 | 2039747 | 8.690 | Eco waste Management |
| | 20-Mar-23 | 2040488 | 8.010 | Eco waste Management |
| | 22-Mar-23 | 2041981 | 7.480 | Eco waste Management |
| | 25-Mar-23 | 2045846 | 8.285 | Eco waste Management |
| | 25-Mar-23 | 2045986 | 7.585 | Eco waste Management |
| | 31-Mar-23 | 2051381 | 8.635 | Eco waste Management |
| | 31-Mar-23 | 2051879 | 5.095 | Eco waste Management |
| TOTAL QUANTITY (In MT) | | | 1889.080 | |

ANNEXURE-E

5 Recovered Sulphur Cat -B-37

| Month of disposal | Date of disposal | Manifest No. | Quantity, MT | Disposed to |
|-------------------|------------------|--------------|--------------|----------------------|
| Mar-23 | 28-Mar-23 | 2048371 | 8.685 | Eco waste Management |

ANNEXURE-F

6 Used battery

| Month of disposal | Date of disposal | Invoice No. | Quantity Nos. | Disposed to |
|-------------------|------------------|------------------------------|---|---------------------|
| Oct. 22 | 21 Oct. 2022 | C2224SC00554 C2224SC00555 | 56 Nos. /0.110 MT 02 Nos. / 0.050 MT | Surya Power Battery |



PART-A

DETAILS OF BYPRODUCT (HAZARDOUS WASTE DISPOSED /TO END USERS)

| 1 | Total Quantity of Category wise waste generated category wise | Hazardous waste generation | Category | Quantity Generated (in MT) |
|---|--|---|----------|----------------------------|
| | | Sodium Hydrosulfide (30%) | - | 2787.450 |
| | | Hydrochloric Acid 30% | B-15 | 3107.344 |
| | | Phosphoric Acid | B-15 | 585.845 |
| | | Sodium Bisulphite Powder | - | 0.000 |
| | | Sodium Bisulphite Solution (30%) | - | 0.000 |
| | | Sodium Sulfite (30%) | B-15 | 498.42 |
| | | Spent Sulphuric Acid (20%) | B-15 | 0.000 |
| | | Acetic Acid (30%) | B-15 | 0.000 |
| 2 | Total Quantity of Category wise waste Disposed | Hazardous waste generation | Category | Quantity Disposal (in MT) |
| | | Sodium Hydrosulfide (30%) | - | 2753.300 |
| | | Hydrochloric Acid 30% | B-15 | 3125.755 |
| | | Phosphoric Acid | B-15 | 599.990 |
| | | Sodium Bisulphite Powder | - | 0.000 |
| | | Sodium Bisulphite Solution (30%) | - | 0.000 |
| | | Sodium Sulfite (30%) | B-15 | 498.420 |
| | | Spent Sulphuric Acid (20%) | B-15 | 0.000 |
| | | Acetic Acid (30%) | B-15 | 0.000 |
| | | Note :- Sodium Bisulphite Powder (4.2 MT) and Sodium Bisulphite Solution (0.72MT) in house used | | |
| 3 | Total Quantity of Category wise waste storage at the end of the year | Hazardous waste generation | Category | Quantity (in MT) |
| | | Sodium Hydrosulfide (30%) | - | 62.630 |
| | | Hydrochloric Acid 30% | B-15 | 14.247 |
| | | Phosphoric Acid | B-15 | 24.140 |
| | | Sodium Bisulphite Powder | - | 0.000 |
| | | Sodium Bisulphite Solution (30%) | - | 0.000 |
| | | Sodium Sulfite (30%) | B-15 | 35.000 |
| | | Spent Sulphuric Acid (20%) | B-15 | 0.000 |
| | | Acetic Acid (30%) | B-15 | 0.000 |



1 Sodium Hydro sulfide 30%, Cat : Not Applicable

| Month of disposal | Date of disposal | Manifest No. | Quantity, MT | End users |
|-------------------|------------------|--------------|--------------|-------------------------|
| Apr-22 | 4-Apr-22 | 1641777 | 15.270 | Rang Chemicals |
| | 15-Apr-22 | 1694124 | 18.360 | Ohm Dye Chem |
| | 18-Apr-22 | 1697147 | 18.645 | Dhruv Sales Corporation |
| | 20-Apr-22 | 1699479 | 18.455 | Saga Chemie Pvt Ltd |
| | 23-Apr-22 | 1702925 | 18.295 | Dev Dye Chem Industries |
| | 23-Apr-22 | 1702907 | 20.300 | Rang Chemicals |
| | 25-Apr-22 | 1704885 | 18.315 | Rang Chemicals |
| | 28-Apr-22 | 1708534 | 18.480 | Saga Chemie Pvt Ltd |
| | 29-Apr-22 | 1709521 | 18.285 | Shree Hari Organic |
| | 30-Apr-22 | 1710741 | 11.910 | Saga Chemie Pvt Ltd |
| May-22 | 4-May-22 | 1714322 | 18.610 | Dev Dye Chem Industries |
| | 6-May-22 | 1716522 | 18.535 | Rang Chemicals |
| | 9-May-22 | 1719428 | 15.520 | Saga Chemie Pvt Ltd |
| | 10-May-22 | 1730648 | 15.865 | Dhruv Sales Corporation |
| | 13-May-22 | 1733708 | 17.780 | Sahyog Pharma Chem |
| | 16-May-22 | 1736649 | 18.185 | Jay Industries |
| | 18-May-22 | 1738764 | 18.255 | Dev Dye Chem Industries |
| | 21-May-22 | 1741870 | 24.790 | Jay Organics |
| | 25-May-22 | 1746605 | 24.985 | Jay Organics |
| | 30-May-22 | 1751952 | 24.910 | Jay Organics |
| Jun-22 | 6-Jun-22 | 1758471 | 26.585 | Jay Organics |
| | 8-Jun-22 | 1760279 | 27.245 | Jay Organics |
| | 13-Jun-22 | 1764373 | 27.790 | Jay Organics |
| | 18-Jun-22 | 1768258 | 24.000 | Jay Organics |
| | 20-Jun-22 | 1770255 | 25.390 | Rang Chemicals |
| | 21-Jun-22 | 1769674 | 22.280 | Rang Chemicals |
| | 27-Jun-22 | 1774771 | 21.875 | Jay Organics |
| | 27-Jun-22 | 1774783 | 25.135 | Rang Chemicals |
| | 29-Jun-22 | 1776540 | 26.400 | Rang Chemicals |
| | 30-Jun-22 | 1777086 | 19.960 | Rang Chemicals |
| Jul-22 | 2-Jul-22 | 1778711 | 23.220 | Jay Organics |
| | 7-Jul-22 | 1782281 | 26.175 | Rang Chemicals |
| | 8-Jul-22 | 1783103 | 27.965 | Jay Organics |
| | 15-Jul-22 | 1787442 | 18.970 | Jay Organics |
| | 17-Jul-22 | 1788407 | 25.740 | Rang Chemicals |
| | 19-Jul-22 | 1790045 | 25.935 | Rang Chemicals |
| | 23-Jul-22 | 1792515 | 26.145 | Rang Chemicals |
| | 26-Jul-22 | 1795206 | 25.770 | Rang Chemicals |
| | 28-Jul-22 | 1796606 | 24.125 | Jay Organics |
| | 29-Jul-22 | 1797009 | 18.885 | Rang Chemicals |
| Aug-22 | 2-Aug-22 | 1800104 | 25.760 | Rang Chemicals |
| | 6-Aug-22 | 1802501 | 22.705 | Jay Organics |
| | 9-Aug-22 | 1804776 | 23.965 | Jay Organics |
| | 12-Aug-22 | 1806615 | 22.890 | Jay Organics |
| | 13-Aug-22 | 1807475 | 25.865 | Rang Chemicals |
| | 18-Aug-22 | 1810243 | 19.220 | Rang Chemicals |
| | 19-Aug-22 | 1811129 | 16.745 | Rang Chemicals |



| Month of disposal | Date of disposal | Manifest No. | Quantity, MT | End users | |
|-------------------|------------------|--------------|--------------|-------------------------|----------------|
| Aug-22 | 19-Aug-22 | 1811070 | 18.670 | Shree Hari Organic | |
| | 20-Aug-22 | 1811765 | 22.590 | Rang Chemicals | |
| | 25-Aug-22 | 1815444 | 24.525 | Jay Organics | |
| | 26-Aug-22 | 1816348 | 19.615 | Dev Dye Chem Industries | |
| | 27-Aug-22 | 1816217 | 26.110 | Rang Chemicals | |
| | 31-Aug-22 | 1819214 | 18.730 | Jay Organics | |
| Sep-22 | 1-Sep-22 | 1820436 | 22.950 | Rang Chemicals | |
| | 5-Sep-22 | 1823301 | 26.610 | Rang Chemicals | |
| | 7-Sep-22 | 1824779 | 19.820 | Rang Chemicals | |
| | 12-Sep-22 | 1828445 | 22.575 | Rang Chemicals | |
| | 16-Sep-22 | 1841492 | 15.320 | Rang Chemicals | |
| | 17-Sep-22 | 1842235 | 20.220 | Jay Organics | |
| | 19-Sep-22 | 1843574 | 20.275 | Rang Chemicals | |
| | 21-Sep-22 | 1845251 | 21.150 | Jay Organics | |
| | 23-Sep-22 | 1847096 | 20.165 | Jay Organics | |
| | 28-Sep-22 | 1849674 | 20.210 | Jay Organics | |
| | 28-Sep-22 | 1850377 | 22.640 | Rang Chemicals | |
| | Oct-22 | 3-Oct-22 | 1853512 | 25.605 | Rang Chemicals |
| | | 4-Oct-22 | 1854359 | 19.535 | Jay Organics |
| 7-Oct-22 | | 1856380 | 22.040 | Jay Organics | |
| 11-Oct-22 | | 1859653 | 22.965 | Jay Organics | |
| 14-Oct-22 | | 1861686 | 22.920 | Rang Chemicals | |
| 15-Oct-22 | | 1863655 | 21.215 | Jay Organics | |
| 19-Oct-22 | | 1867421 | 20.590 | Rang Chemicals | |
| 25-Oct-22 | | 1871583 | 25.020 | Rang Chemicals | |
| 28-Oct-22 | | 1872915 | 24.295 | Jay Organics | |
| 31-Oct-22 | | 1875077 | 18.745 | Dhruv Sales Corporation | |
| Nov-22 | 3-Nov-22 | 1877788 | 24.645 | Rang Chemicals | |
| | 4-Nov-22 | 1878972 | 19.730 | Jay Organics | |
| | 8-Nov-22 | 1882718 | 25.495 | Shree Hari Organic | |
| | 15-Nov-22 | 1889108 | 19.945 | Jay Organics | |
| | 16-Nov-22 | 1890540 | 26.410 | Rang Chemicals | |
| | 18-Nov-22 | 1893111 | 20.210 | Jay Organics | |
| | 22-Nov-22 | 1896967 | 19.180 | Dhruv Sales Corporation | |
| | 26-Nov-22 | 1900923 | 21.280 | Jay Organics | |
| | 26-Nov-22 | 1901646 | 25.730 | Rang Chemicals | |
| | 30-Nov-22 | 1905742 | 24.590 | Jay Organics | |
| Dec-22 | 4-Dec-22 | 1909118 | 18.980 | Jay Organics | |
| | 5-Dec-22 | 1910200 | 22.970 | Rang Chemicals | |
| | 6-Dec-22 | 1911274 | 20.305 | Dhruv Sales Corporation | |
| | 10-Dec-22 | 1915370 | 21.145 | Jay Organics | |
| | 13-Dec-22 | 1918188 | 23.955 | Rang Chemicals | |
| | 16-Dec-22 | 1921199 | 20.975 | Jay Organics | |
| | 20-Dec-22 | 1924568 | 20.945 | Jay Organics | |
| | 22-Dec-22 | 1927055 | 25.295 | Rang Chemicals | |
| | 24-Dec-22 | 1929023 | 18.735 | Dhruv Sales Corporation | |
| | 26-Dec-22 | 1930645 | 21.235 | Jay Organics | |
| | 28-Dec-22 | 1932898 | 19.050 | Jay Organics | |
| | 31-Dec-22 | 1936067 | 26.120 | Jay Organics | |
| Jan-23 | 4-Jan-23 | 1938749 | 26.595 | Rang Chemicals | |
| | 6-Jan-23 | 1941771 | 28.270 | Jay Organics | |



| Month of disposal | Date of disposal | Manifest No. | Quantity, MT | End users |
|-------------------------------|------------------|--------------|-----------------|-------------------------|
| Jan-23 | 17-Jan-23 | 1951285 | 24.660 | Rang Chemicals |
| | 28-Jan-23 | 1962306 | 20.310 | Rang Chemicals |
| Feb-23 | 28-Jan-23 | 1962532 | 24.050 | Jay Organics |
| | 2-Feb-23 | 1967374 | 25.790 | Rang Chemicals |
| | 2-Feb-23 | 1967477 | 20.145 | Jay Organics |
| | 8-Feb-23 | 1973135 | 25.250 | Rang Chemicals |
| | 9-Feb-23 | 1974014 | 20.550 | Jay Organics |
| | 11-Feb-23 | 1975778 | 24.395 | Dhruv sales Corporation |
| | 13-Feb-23 | 1978214 | 21.470 | Rang Chemicals |
| | 14-Feb-23 | 1979277 | 20.425 | Jay Organics |
| | 16-Feb-23 | 1981420 | 20.090 | Rang Chemicals |
| | 20-Feb-23 | 1984353 | 21.420 | Jay Organics |
| | 22-Feb-23 | 1986833 | 26.300 | Rang Chemicals |
| Mar-23 | 25-Feb-23 | 1990410 | 21.370 | Jay Organics |
| | 28-Feb-23 | 1992909 | 24.505 | Rang Chemicals |
| | 3-Mar-23 | 2025964 | 25.000 | Jay Organics |
| | 4-Mar-23 | 2026573 | 25.965 | Rang Chemicals |
| | 6-Mar-23 | 2028383 | 23.670 | Rang Chemicals |
| | 7-Mar-23 | 2029096 | 18.595 | Jay Organics |
| | 11-Mar-23 | 2031063 | 19.705 | Rang Chemicals |
| | 13-Mar-23 | 2033551 | 22.080 | Jay Organics |
| | 16-Mar-23 | 2036767 | 17.755 | Dhruv sales Corporation |
| | 22-Mar-23 | 2042618 | 22.290 | Rang Chemicals |
| | 24-Mar-23 | 2044972 | 23.575 | Jay Organics |
| | 27-Mar-23 | 2046926 | 22.695 | Rang Chemicals |
| | 29-Mar-23 | 2049299 | 21.750 | Jay Organics |
| 30-Mar-23 | 2051102 | 22.105 | Jay Organics | |
| TOTAL QUANTITY (In MT) | | | 2753.300 | |

ANNEXURE-H

2 Hydrochloric Acid 30% Cat: B-15

| Month of disposal | Date of disposal | Manifest No. | Quantity, MT | End users |
|-------------------|------------------|--------------|--------------|---------------------|
| Apr-22 | 2-Apr-22 | 1640082 | 19.665 | Rahul Intermediates |
| | 5-Apr-22 | 1643542 | 18.205 | Rahul Intermediates |
| | 7-Apr-22 | 1675682 | 18.170 | Rahul Intermediates |
| | 14-Apr-22 | 1692955 | 19.435 | Rahul Intermediates |
| | 18-Apr-22 | 1697144 | 9.510 | Rahul Intermediates |
| | 21-Apr-22 | 1700843 | 23.285 | Rahul Intermediates |
| | 21-Apr-22 | 1700563 | 18.810 | Rahul Intermediates |
| | 26-Apr-22 | 1705369 | 19.285 | Rahul Intermediates |
| | 30-Apr-22 | 1710948 | 27.075 | Shreeji Industries |
| | 30-Apr-22 | 1710488 | 19.075 | Rahul Intermediates |
| May-22 | 3-May-22 | 1713351 | 27.545 | Shreeji Industries |
| | 6-May-22 | 1715943 | 23.980 | Shreeji Industries |
| | 6-May-22 | 1716515 | 19.240 | Rahul Intermediates |
| | 10-May-22 | 1730645 | 27.930 | Shreeji Industries |
| | 11-May-22 | 1731335 | 19.005 | Rahul Intermediates |
| | 14-May-22 | 1734826 | 24.080 | Rahul Intermediates |
| | 14-May-22 | 1734801 | 28.445 | Shreeji Industries |



| Month of disposal | Date of disposal | Manifest No. | Quantity, MT | End users |
|-------------------|------------------|--------------|---------------------|---------------------|
| May-22 | 17-May-22 | 1737682 | 19.695 | Rahul Intermediates |
| | 18-May-22 | 1738754 | 9.935 | Rahul Intermediates |
| | 21-May-22 | 1742153 | 27.900 | Shreeji Industries |
| | 23-May-22 | 1743961 | 27.880 | Shreeji Industries |
| | 23-May-22 | 1743947 | 19.350 | Rahul Intermediates |
| | 26-May-22 | 1747745 | 24.390 | Shreeji Industries |
| | 31-May-22 | 1752966 | 19.955 | Rahul Intermediates |
| Jun-22 | 3-Jun-22 | 1756129 | 30.105 | Rahul Intermediates |
| | 6-Jun-22 | 1758242 | 19.820 | Rahul Intermediates |
| | 8-Jun-22 | 1760312 | 29.955 | Rahul Intermediates |
| | 13-Jun-22 | 1764074 | 20.000 | Rahul Intermediates |
| | 15-Jun-22 | 1765977 | 20.045 | Rahul Intermediates |
| | 16-Jun-22 | 1766750 | 20.090 | Rahul Intermediates |
| | 21-Jun-22 | 1770251 | 29.785 | Rahul Intermediates |
| | 23-Jun-22 | 1772126 | 29.930 | Rahul Intermediates |
| | 24-Jun-22 | 1772925 | 19.545 | Rahul Intermediates |
| | 28-Jun-22 | 1775818 | 20.340 | Rahul Intermediates |
| | 29-Jun-22 | 1776529 | 20.240 | Rahul Intermediates |
| Jul-22 | 5-Jul-22 | 1780693 | 20.090 | Rahul Intermediates |
| | 7-Jul-22 | 1782454 | 10.035 | Rahul Intermediates |
| | 7-Jul-22 | 1782166 | 19.945 | Rahul Intermediates |
| | 8-Jul-22 | 1782907 | 29.860 | Rahul Intermediates |
| | 9-Jul-22 | 1783548 | 20.005 | Rahul Intermediates |
| | 10-Jul-22 | 1784064 | 29.740 | Rahul Intermediates |
| | 14-Jul-22 | 1786656 | 18.925 | Rahul Intermediates |
| | 14-Jul-22 | 1786808 | 23.845 | Rahul Intermediates |
| | 14-Jul-22 | 1786719 | 9.800 | Rahul Intermediates |
| | 17-Jul-22 | 1788532 | 19.655 | Rahul Intermediates |
| | 21-Jul-22 | 1791641 | 19.880 | Rahul Intermediates |
| | 23-Jul-22 | 1793022 | 19.815 | Rahul Intermediates |
| | 25-Jul-22 | 1794053 | 19.860 | Rahul Intermediates |
| | 27-Jul-22 | 1796010 | 29.390 | Rahul Intermediates |
| | 27-Jul-22 | 1795696 | 10.055 | Rahul Intermediates |
| | 29-Jul-22 | 1797326 | 26.315 | Rahul Intermediates |
| | 30-Jul-22 | 1798630 | 19.620 | Rahul Intermediates |
| Aug-22 | 3-Aug-22 | 1800843 | 24.090 | Rahul Intermediates |
| | 4-Aug-22 | 1801548 | 24.195 | Rahul Intermediates |
| | 5-Aug-22 | 1802358 | 19.565 | Rahul Intermediates |
| | 10-Aug-22 | 1805730 | 19.090 | Rahul Intermediates |
| | 12-Aug-22 | 1806674 | 12.030 | Rahul Intermediates |
| | 12-Aug-22 | 1806798 | 20.060 | Rahul Intermediates |
| | 16-Aug-22 | 1809055 | 18.895 | Rahul Intermediates |
| | 17-Aug-22 | 1809713 | 24.760 | Rahul Intermediates |
| | 17-Aug-22 | 1809807 | 10.335 | Rahul Intermediates |
| | 18-Aug-22 | 1810566 | 19.790 | Rahul Intermediates |
| | 20-Aug-22 | 1811694 | 24.630 | Rahul Intermediates |
| | 22-Aug-22 | 1812842 | 20.410 | Rahul Intermediates |
| | 22-Aug-22 | 1812850 | 10.560 | Rahul Intermediates |
| | 24-Aug-22 | 1814264 | 19.775 | Rahul Intermediates |
| 25-Aug-22 | 1815434 | 19.895 | Rahul Intermediates | |
| Sep-22 | 2-Sep-22 | 1820638 | 19.785 | Rahul Intermediates |



| Month of disposal | Date of disposal | Manifest No. | Quantity, MT | End users | |
|-------------------|------------------|--------------|--------------|---------------------|---------------------|
| Sep-22 | 3-Sep-22 | 1822130 | 10.090 | Rahul Intermediates | |
| | 3-Sep-22 | 1821970 | 24.745 | Rahul Intermediates | |
| | 5-Sep-22 | 1823344 | 10.185 | Rahul Intermediates | |
| | 8-Sep-22 | 1824884 | 9.755 | Rahul Intermediates | |
| | 8-Sep-22 | 1825713 | 10.050 | Rahul Intermediates | |
| | 14-Sep-22 | 1830199 | 9.950 | Rahul Intermediates | |
| | 15-Sep-22 | 1830740 | 20.100 | Rahul Intermediates | |
| | 16-Sep-22 | 1841528 | 11.785 | Rahul Intermediates | |
| | 20-Sep-22 | 1843780 | 9.950 | Rahul Intermediates | |
| | 24-Sep-22 | 1847826 | 9.770 | Rahul Intermediates | |
| | 26-Sep-22 | 1849165 | 19.675 | Rahul Intermediates | |
| | Oct-22 | 1-Oct-22 | 1851487 | 19.110 | Rahul Intermediates |
| | | 3-Oct-22 | 1853629 | 19.775 | Rahul Intermediates |
| | | 3-Oct-22 | 1853333 | 10.825 | Rahul Intermediates |
| 7-Oct-22 | | 1856570 | 19.860 | Rahul Intermediates | |
| 8-Oct-22 | | 1857381 | 19.790 | Rahul Intermediates | |
| 9-Oct-22 | | 1856689 | 9.815 | Rahul Intermediates | |
| 10-Oct-22 | | 1858943 | 19.645 | Rahul Intermediates | |
| 14-Oct-22 | | 1861548 | 10.020 | Rahul Intermediates | |
| 15-Oct-22 | | 1863482 | 19.730 | Rahul Intermediates | |
| 17-Oct-22 | | 1865146 | 10.035 | Rahul Intermediates | |
| 20-Oct-22 | | 1868722 | 9.800 | Rahul Intermediates | |
| 20-Oct-22 | | 1868713 | 19.455 | Rahul Intermediates | |
| 21-Oct-22 | | 1869916 | 12.660 | Rahul Intermediates | |
| Nov-22 | | 2-Nov-22 | 1876746 | 19.940 | Rahul Intermediates |
| | 5-Nov-22 | 1879136 | 23.450 | Rahul Intermediates | |
| | 7-Nov-22 | 1881594 | 19.690 | Rahul Intermediates | |
| | 8-Nov-22 | 1882727 | 19.645 | Rahul Intermediates | |
| | 9-Nov-22 | 1883861 | 19.355 | Rahul Intermediates | |
| | 11-Nov-22 | 1885917 | 19.540 | Rahul Intermediates | |
| | 15-Nov-22 | 1889196 | 19.505 | Rahul Intermediates | |
| | 22-Nov-22 | 1897133 | 19.625 | Rahul Intermediates | |
| | 24-Nov-22 | 1899415 | 19.505 | Rahul Intermediates | |
| | 26-Nov-22 | 1901433 | 19.545 | Rahul Intermediates | |
| | 28-Nov-22 | 1902676 | 20.690 | Rahul Intermediates | |
| | 29-Nov-22 | 1904379 | 19.235 | Rahul Intermediates | |
| | Dec-22 | 2-Dec-22 | 1907650 | 17.660 | Rahul Intermediates |
| | | 8-Dec-22 | 1913201 | 19.940 | Rahul Intermediates |
| 11-Dec-22 | | 1916000 | 19.895 | Rahul Intermediates | |
| 12-Dec-22 | | 1916798 | 10.125 | Rahul Intermediates | |
| 13-Dec-22 | | 1918027 | 19.690 | Rahul Intermediates | |
| 16-Dec-22 | | 1921271 | 19.780 | Rahul Intermediates | |
| 19-Dec-22 | | 1923749 | 23.540 | Rahul Intermediates | |
| 20-Dec-22 | | 1924587 | 19.650 | Rahul Intermediates | |
| 21-Dec-22 | | 1925288 | 23.235 | Rahul Intermediates | |
| 23-Dec-22 | | 1928053 | 23.390 | Rahul Intermediates | |
| 26-Dec-22 | | 1930655 | 9.800 | Rahul Intermediates | |
| 26-Dec-22 | | 1930163 | 23.040 | Rahul Intermediates | |
| 29-Dec-22 | | 1933836 | 23.340 | Rahul Intermediates | |
| 31-Dec-22 | | 1936075 | 19.770 | Rahul Intermediates | |
| Jan-23 | 3-Jan-23 | 1938415 | 19.600 | Rahul Intermediates | |



| Month of disposal | Date of disposal | Manifest No. | Quantity, MT | End users | |
|-------------------------------|------------------|--------------|---------------------|---------------------|---------------------|
| Jan-23 | 5-Jan-23 | 1940629 | 19.605 | Rahul Intermediates | |
| | 6-Jan-23 | 1941860 | 19.415 | Rahul Intermediates | |
| | 10-Jan-23 | 1945487 | 19.550 | Rahul Intermediates | |
| | 16-Jan-23 | 1950088 | 19.465 | Rahul Intermediates | |
| | 18-Jan-23 | 1952595 | 18.130 | Rahul Intermediates | |
| | 24-Jan-23 | 1958662 | 19.900 | Rahul Intermediates | |
| | 27-Jan-23 | 1961432 | 19.595 | Rahul Intermediates | |
| | 28-Jan-23 | 1962608 | 19.405 | Rahul Intermediates | |
| | 30-Jan-23 | 1964109 | 19.505 | Rahul Intermediates | |
| | Feb-23 | 2-Feb-23 | 1967405 | 15.790 | Rahul Intermediates |
| 3-Feb-23 | | 1968266 | 19.600 | Rahul Intermediates | |
| 6-Feb-23 | | 1971087 | 19.640 | Rahul Intermediates | |
| 7-Feb-23 | | 1972339 | 19.535 | Rahul Intermediates | |
| 9-Feb-23 | | 1974231 | 19.515 | Rahul Intermediates | |
| 9-Feb-23 | | 1974330 | 17.435 | Rahul Intermediates | |
| 13-Feb-23 | | 1978211 | 19.785 | Rahul Intermediates | |
| 13-Feb-23 | | 1978207 | 17.585 | Rahul Intermediates | |
| 18-Feb-23 | | 1982474 | 24.465 | Rahul Intermediates | |
| 18-Feb-23 | | 1983039 | 19.690 | Rahul Intermediates | |
| 21-Feb-23 | | 1986094 | 24.170 | Rahul Intermediates | |
| 24-Feb-23 | | 1989418 | 19.485 | Rahul Intermediates | |
| 24-Feb-23 | | 1989528 | 23.515 | Rahul Intermediates | |
| 27-Feb-23 | | 1992102 | 19.260 | Rahul Intermediates | |
| 27-Feb-23 | | 1991751 | 19.905 | Rahul Intermediates | |
| Mar-23 | | 4-Mar-23 | 2026839 | 24.045 | Rahul Intermediates |
| | | 6-Mar-23 | 2028110 | 19.545 | Rahul Intermediates |
| | 6-Mar-23 | 2028519 | 19.200 | Rahul Intermediates | |
| | 9-Mar-23 | 2029950 | 9.545 | Rahul Intermediates | |
| | 10-Mar-23 | 2030825 | 19.305 | Rahul Intermediates | |
| | 13-Mar-23 | 2032827 | 19.760 | Rahul Intermediates | |
| | 15-Mar-23 | 2035462 | 19.390 | Rahul Intermediates | |
| | 15-Mar-23 | 2035470 | 18.685 | Rahul Intermediates | |
| | 16-Mar-23 | 2036757 | 18.910 | Rahul Intermediates | |
| | 18-Mar-23 | 2038765 | 18.820 | Rahul Intermediates | |
| | 22-Mar-23 | 2042388 | 19.745 | Rahul Intermediates | |
| | 22-Mar-23 | 2042241 | 20.090 | Rahul Intermediates | |
| | 24-Mar-23 | 2044974 | 20.370 | Rahul Intermediates | |
| | 25-Mar-23 | 2045513 | 18.795 | Rahul Intermediates | |
| 25-Mar-23 | 2045845 | 19.800 | Rahul Intermediates | | |
| 27-Mar-23 | 2047636 | 18.605 | Rahul Intermediates | | |
| 30-Mar-23 | 2050913 | 19.610 | Rahul Intermediates | | |
| 31-Mar-23 | 2051118 | 22.435 | Rahul Intermediates | | |
| TOTAL QUANTITY (In MT) | | | 3125.755 | | |



PART-A

ANNEXURE-I

3 Phosphoric Acid Cat: B-15

| Month of disposal | Date of disposal | Manifest No. | Quantity, MT | End users |
|-------------------|------------------|--------------|--------------|------------------------------|
| Apr-22 | 8-Apr-22 | 1676335 | 18.510 | S.R.Chemicals |
| | 19-Apr-22 | 1698548 | 18.750 | S.R.Chemicals |
| | 20-Apr-22 | 1699615 | 17.430 | Choksey Chemicals Industries |
| May-22 | 2-May-22 | 1712401 | 17.495 | S R Chemical |
| | 12-May-22 | 1732756 | 17.130 | S.R.Chemicals |
| | 23-May-22 | 1744225 | 16.815 | S.R.Chemicals |
| | 28-May-22 | 1749903 | 14.000 | S.R.Chemicals |
| Jun-22 | 15-Jun-22 | 1766005 | 11.865 | Choksey Chemicals Industries |
| | 22-Jun-22 | 1771247 | 15.010 | S R Chemical |
| Jul-22 | 4-Jul-22 | 1779797 | 13.265 | Choksey Chemicals Industries |
| | 6-Jul-22 | 1781558 | 15.015 | S R Chemical |
| | 20-Jul-22 | 1790968 | 12.390 | S R Chemical |
| | 22-Jul-22 | 1792347 | 12.310 | Choksey Chemicals Industries |
| Aug-22 | 7-Aug-22 | 1803311 | 11.840 | Choksey Chemicals Industries |
| | 9-Aug-22 | 1804569 | 14.045 | S R Chemical |
| | 17-Aug-22 | 1809495 | 11.585 | S R Chemical |
| | 18-Aug-22 | 1810349 | 10.750 | Choksey Chemicals Industries |
| | 24-Aug-22 | 1814639 | 11.195 | S R Chemical |
| Sep-22 | 3-Sep-22 | 1822140 | 11.060 | Choksey Chemicals Industries |
| | 12-Sep-22 | 1827642 | 10.255 | S.R.Chemicals |
| | 20-Sep-22 | 1844616 | 10.875 | Choksey Chemicals Industries |
| | 23-Sep-22 | 1847057 | 10.680 | S R Chemical |
| Oct-22 | 3-Oct-22 | 1853327 | 10.085 | S R Chemical |
| | 10-Oct-22 | 1858867 | 10.195 | Choksey Chemicals Industries |
| | 12-Oct-22 | 1859816 | 10.910 | S R Chemical |
| | 21-Oct-22 | 1869758 | 8.815 | Choksey Chemicals Industries |
| | 2-Nov-22 | 18770786 | 10.950 | Choksey Chemicals Industries |
| Nov-22 | 4-Nov-22 | 1878394 | 10.085 | S R Chemical |
| | 11-Nov-22 | 1884967 | 11.160 | Choksey Chemicals Industries |
| | 12-Nov-22 | 1887039 | 10.650 | S R Chemical |
| | 19-Nov-22 | 1894401 | 9.280 | Choksey Chemicals Industries |
| | 23-Nov-22 | 1897065 | 8.610 | S R Chemical |
| | 28-Nov-22 | 1903286 | 9.335 | Choksey Chemicals Industries |
| | 8-Dec-22 | 1912324 | 10.005 | Choksey Chemicals Industries |
| Dec-22 | 13-Dec-22 | 1918119 | 10.125 | S.R.Chemicals |
| | 15-Dec-22 | 1920266 | 9.725 | Choksey Chemicals Industries |
| | 27-Dec-22 | 1931781 | 9.960 | S R Chemical |
| | 29-Dec-22 | 1934121 | 9.140 | Choksey Chemicals Industries |
| | 10-Jan-23 | 1945480 | 9.085 | S R chemicals |
| | 11-Jan-23 | 1946439 | 9.315 | Choksey Chemicals |
| Jan-23 | 23-Jan-23 | 1957073 | 8.725 | Choksey Chemicals |
| | 29-Jan-23 | 1963044 | 9.575 | Choksey Chemicals |
| | 8-Feb-23 | 1973290 | 18.745 | Choksey Chemicals |
| | 17-Feb-23 | 1982214 | 19.365 | Choksey Chemicals |
| | 21-Feb-23 | 1986103 | 9.975 | S R chemicals |
| Mar-23 | 3-Mar-23 | 2025482 | 10.225 | S R chemicals |



| Month of disposal | Date of disposal | Manifest No. | Quantity, MT | End users |
|-------------------------------|------------------|--------------|---------------|-------------------|
| Mar-23 | 6-Mar-23 | 2027799 | 15.905 | Choksey Chemicals |
| | 24-Mar-23 | 2044969 | 9.860 | S.R.Chemicals |
| | 25-Mar-23 | 2046003 | 17.915 | Choksey Chemicals |
| TOTAL QUANTITY (In MT) | | | 599.99 | |

ANNEXURE-J

4 Sodium Bisulphite Powder Cat: Not Applicable

| Month of disposal | Date of disposal | Manifest No. | Quantity, MT | End users |
|--|------------------|--------------|--------------|-----------|
| No Generation and Disposal – The Balance qty. 4.2 MT is used inhouse | | | | |

ANNEXURE-K

5 Sodium Bisulphite Solution (30%) Cat: Not Applicable

| Month of disposal | Date of disposal | Manifest No. | Quantity, MT | End users |
|--|------------------|--------------|--------------|-----------|
| No Generation and Disposal – The Balance qty. 0.072 MT is used inhouse | | | | |

ANNEXURE-L

6 Sodium Bisulphite Solution (30%) Cat: Not Applicable

| Month of disposal | Date of disposal | Manifest No. | Quantity, MT | End users |
|-------------------------------|------------------|--------------|---------------|---------------------------|
| Jan-23 | 6-Jan-23 | 1941334 | 25.590 | Param Chemicals |
| | 14-Jan-23 | 1949018 | 26.550 | Aims Chemicals Industries |
| | 16-Jan-23 | 1950391 | 23.835 | Self Chem |
| | 17-Jan-23 | 1951558 | 22.005 | Aims Chemicals Industries |
| Feb-23 | 9-Feb-23 | 1973277 | 24.935 | Param Chemicals |
| | 16-Feb-23 | 1980621 | 18.255 | Bini Chemical |
| | 17-Feb-23 | 1982199 | 20.375 | Shree Balaji Enterprise |
| | 20-Feb-23 | 1984640 | 18.200 | Bini Chemical |
| | 21-Feb-23 | 1986184 | 23.180 | Shree Balaji Enterprise |
| | 22-Feb-23 | 1986938 | 18.430 | Bini Chemical |
| | 22-Feb-23 | 1987294 | 25.290 | Shree Balaji Enterprise |
| | 23-Feb-23 | 1988136 | 17.845 | Bini Chemical |
| | 25-Feb-23 | 1990425 | 26.755 | Shree Balaji Enterprise |
| | 27-Feb-23 | 1992166 | 25.090 | Shree Balaji Enterprise |
| | 28-Feb-23 | 1993266 | 14.650 | Bini Chemical |
| Mar-23 | 7-Mar-23 | 2029162 | 18.650 | Bini Chemical |
| | 10-Mar-23 | 2030415 | 24.720 | Param Chemicals |
| | 11-Mar-23 | 2031889 | 24.675 | Shree Balaji Enterprise |
| | 23-Mar-23 | 2043714 | 24.920 | Shree Balaji Enterprise |
| | 27-Mar-23 | 2047682 | 24.745 | Shree Balaji Enterprise |
| | 28-Mar-23 | 2048685 | 24.675 | Param Chemicals |
| | 30-Mar-23 | 2051034 | 25.050 | Param Chemicals |
| TOTAL QUANTITY (In MT) | | | 498.42 | |

DATE: 5th June 2023

PLACE: Panoli

Signature of Factory manager /Occupier



Ref No. CIL/ INTER/Form -V/2021-22/09/05/22

ID: 15016

Date: 5Th September 2022

To

The Member Secretary
Gujarat Pollution Control Board,
Paryavaran Bhawan, Sector-10-A,
Gandhinagar-382010

SUB: - Submission of Environment Statement (FORM-V) for the Year 2021-22

Respected Sir,

Please find enclosed the duly filled Environment Statement in Form-V for the financial year
2021-22

Please acknowledge the same.

This is for your kind perusal please

Thanking you,

Yours faithfully,

ABU

Cheminova India Limited. Panoli.
Intermediate Division

Enclosures: Form —V

CC To: Regional Officer, GPCB, Ankleshwar.



FORM - V
(See Rule 14)

From :

CHEMINOVA INDIA LTD.
Intermediate Division Plot no (27+28)/A
GIDC Panoli, Tal Ankleshwar Dist Bharuch

To:

Gujrat Pollution Control Board,
Paryavaran Bhavan, sector 10 A
Gandhinagar -382010

Environmental Statement for the financial year ending the 31st March, 2022

PART -A

- i) Name & address of the Owner/Occupier of the industry, operation or process - **Mr. Manoj Khanna**
CHEMINOVA INDIA LTD.
Intermediate Division Plot no (27+28)/A
GIDC Panoli, Tal Ankleshwar Dist Bharuch
- ii) Industry category - LSI
Primary :- (STC Code) Not Applicable
Secondary:- (SIC Code) Not Applicable
- iii) Production capacity:- Units - ANNEXURE-1
- iv) Year of establishment - 1998
- v) Date of the last environmental statement submitted - 6Th September 2021

PART -B

Water & Raw Material Consumption

- i) Water consumption - M³/day
- | | | | |
|-----------|---|-----|---------------------|
| Process | - | 129 | m ³ /day |
| Cooling | - | 210 | m ³ /day |
| Domestic | - | 24 | m ³ /day |
| Gardening | - | 13 | m ³ /day |

| Name of products | Process water consumption per product output (Lit./ Kg) | |
|--|---|--|
| | During the previous financial year 2020-2021 (1) | During the current financial year 2021-2022 (2) |
| (1) Diethyl Thio Phosphoryl Chloride | 9.10 | 6.85 |
| (2)Azole group based products (Florasulam) | 54.00 | 55.00 |
| (4)Bixlozone (F-9600) | 9.500 | 7.36 |



| ii) Raw Material consumption | | | | |
|------------------------------|---------------------------|---|--|--------------------|
| | * Name of raw materials | Name of Products | Consumption of raw material per unit of output | |
| | | | During the previous | During the Current |
| | | | financial year | financial year |
| | | | 2020-2021 | 2021-2022 |
| 1 | Phosphorous | DETPC | 0.199 | 0.1948 |
| 2 | Sulphur | | 0.509 | 0.4980 |
| 3 | Ethanol | | 0.791 | 0.7970 |
| 4 | Caustic lye | | 0.120 | 0.2509 |
| 5 | Chlorine | | 0.492 | 0.4879 |
| 6 | Soda Ash | | 0.225 | 0.0699 |
| 7 | Homet P | Azole group based products (Florasulam) | 0.762 | 0.7627 |
| 8 | TEA | | 1.054 | 1.0492 |
| 9 | POCl3 | | 0.893 | 0.8989 |
| 10 | Hydrazine Hydrate | | 0.430 | 0.4315 |
| 11 | H2O2 | | 0.418 | 0.4124 |
| 12 | CS2 | | 0.460 | 0.4533 |
| 13 | Chlorine | | 0.938 | 0.9888 |
| 14 | 2,6 DFA | | 0.589 | 0.5903 |
| 15 | Toluene | | 0.330 | 0.2784 |
| 16 | Caustic lye - 100 % | | 1.554 | 0.8681 |
| 17 | Methanol | | 0.211 | 0.7101 |
| 18 | 30% HCl | | 2.406 | 2.3191 |
| 19 | MDC | | 0.824 | 0.8634 |
| 20 | SBS | | 0.545 | 0.0946 |
| 21 | ACN | | 0.335 | 0.3056 |
| 22 | IPA | | 0.247 | 0.2072 |
| 23 | Sodium Methoxide-25% | | 2.533 | 2.5209 |
| 24 | TBAHS | | 0.027 | 0.0292 |
| 25 | Common salt | | 0.280 | 0.2697 |
| 26 | Soda Ash | | 0.022 | 0.0225 |
| 27 | Sodium Bi carbonate | 1.280 | 1.2584 | |
| 28 | K2CO3 | 0.329 | 0.3539 | |
| 44 | Isoxazolidinone solution, | Bixlozone (F-9600) | 0.629 | 0.6290 |
| 45 | Heptane | | 0.086 | 0.0784 |
| 46 | 2, 4-DCBC | | 0.957 | 0.9492 |
| 47 | TBAB catalyst | | 0.075 | 0.0732 |
| 48 | 48%Caustic lye | | 0.013 | 0.0135 |

* Industry may use codes if disclosing details of raw materials would violate contractual obligations, otherwise all industries have to name the raw materials used.

PART-C

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

| i) Pollutants | Quantity of pollutants discharged (mass/day) TPD | Concentrations of pollutants in discharges (mass/volume) mg/l except pH & Temp. | Percentage of variation from prescribed standard with reasons |
|--|--|---|---|
| Average Flow 126.35 m ³ /d. | | | |
| a) Water | TPD | mg/L | |
| Total Dissolved Solid | 0.8949 | 7082 | --- |
| Total Suspended Solid | 0.0044 | 34.83 | --- |
| Chemical Oxygen Demand | 0.0301 | 238.00 | --- |
| Biological Oxygen Demand | 0.0060 | 47.33 | --- |
| Ammonical Nitrogen | 0.0031 | 24.80 | --- |



| b) Air | | TPD | mg/Nm ³ | |
|------------------|-----|--------|--------------------|----|
| Sulphur Furnace | SPM | 0.0052 | 47.80 | .. |
| | SOx | 0.0026 | 24.000 | .. |
| | NOx | 0.0016 | 14.80 | .. |
| | Cl2 | BDL | 0.867 | .. |
| | HCl | BDL | 1.733 | .. |
| | CO | 0.0015 | 14.000 | .. |
| Vent Incinerator | SPM | 0.0065 | 35.27 | .. |
| | SOx | 0.0088 | 47.455 | .. |
| | NOx | 0.0048 | 26.18 | .. |
| | Cl2 | BDL | 0.91 | .. |
| | HCl | BDL | 2.04 | .. |
| | CO | 0.0031 | 16.818 | .. |
| Boiler | SPM | 0.047 | 55.45 mg/nm3 | .. |
| | SOx | 0.013 | 15.09 ppm | .. |
| | NOx | 0.019 | 22.18 ppm | .. |

PART-D

Hazardous Wastes

(As specified under Hazardous Wastes/Management & Handling Rules, 1989)

| Hazardous wastes | Total Quantity (kg) | |
|---|---|---|
| | During the previous financial year 2020-2021 | During the current financial year 2021-2022 |
| a) From Process | | |
| Category | Type of Waste | |
| | (1)Recovered Sulphur | 11615 |
| | (2)Used Oil | 950 |
| | (3) Evaporation Salt | 0 |
| | (4) Non Recyclable Plastic & Insulation Waste | 26015 |
| | (5) Incineration Waste | 314425 |
| | & Co Processing | 206430 |
| | (6) Asbestous Sheet | 6860 |
| b) From Pollution Control facilities | | |
| | ETP Sludge | 1147975 |
| By products | Sodium Hydro sulfide 30% | 2748190 |
| | Hydrochloric Acid 30% | 3564520 |
| | Phosphoric Acid | 566165 |
| | Sodium Bisulphite Powder | 1165560 |
| | Sodium Sulphite 30% | 0 |
| | Sodium Bisulphite Solution (30%) | 3501685 |
| | | 42600 |
| | | 81625 |
| | | 3017970 |
| | | 0 |
| | | 514230 |
| | | 2766860 |
| | | 3485360 |
| | | 606655 |
| | | 383600 |
| | | 68050 |
| | | 1084135 |

PART-E

Solid Wastes

| | Total Quantity in Kgs | |
|--|--|---|
| | During the previous financial year 2020-2021 | During the current financial year 2021-2022 |
| a) From Process | Nil | Nil |
| b) From Pollution Control facilities | Nil | Nil |
| c) 1) Quantity recycled or re-utilized within the unit | Nil | Nil |
| 2) Sold | | |
| Discarded Container / Drum Cut sheet | 92950 | 94915 |
| 3)Disposed | Nil | Nil |



PART -F

Please specify the characterizations (in terms of composition and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

KINDLY REFER ANNEXURE-2

PART -G

Impact of the pollution control measures on conservation of natural resources and on the cost of production.

- (1) Use of Non- Conventional Energy - Solar and wind Power from supplier is continued and agreement is made to have Sustainable
- (2) 4Rthn project has been implemented to conserve natural resources and reduce cost of production
- (3) Use of Briquette as fuel is continued and prioritize its consumption with respect to Natural Gas
- (4) Recycling of steam condensate is being done , which had reduced water consumption

PART -H

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

ZLD Plant is installed and the treated water is recycled back in cooling - boiler and process

PART -I

Any other particulars for improving the quality of the environment.

- (1) Zero liquid discharge (ZLD) have been implemented by installing R.O.Plant, MEE Plant & ATFD Plant
- (2) Sewage Treatment plant is installed to treat the domestic water separately
- (3) World Environment DaY was celebrated on 5th June and tree plant was done inside the premises

Date: 5-Sep-22

(Signature of a person carrying out an industry, operation or process)

Name: Anil N Shah

Designation: Factory Manager

Address: Cheminova India Limited.
(Intermediate Division)
Plot no.(27/28)/A,
GIDC Estate, Panoli-394116.
Dist. Bharuch, Gujarat.



ANNEXURE -1

PRODUCTION CAPACITY (MT / YEAR)

| Sr. No. | Products | Total Capacity |
|---------|---|----------------|
| | | (MT/Annum) |
| 1 | Phosphorus Trichloride (PCl ₃) | 1000 |
| 2 | Trimethyl Phosphite (TMP) or Triethyl Phosphite (TEP) | 100 |
| 3 | Diethyl Thio Phosphoryl Chloride (DETPC)/DETA/NaDETA | 5330 |
| 4 | Cyhalothrin Acid | 250 |
| 5 | Phosphorus Penta Sulphide (P ₂ S ₅) | 3400 |
| 6 | Fluindapyr (F 9990) | 150 |
| 7 | Bixlozone (F9600) | 960 |
| 8 | Acid based products [2-bromobutyric Acid (int), amino acid (int), ethyl 2-(4-hydroxy phenoxy) propionate (O-HPPA) (int), Thiocyclam (I), Bispyribac-Sodium (H), Pyriithiobac-Sodium(H), Methoxy Amine Hydrochloride (int), 2-hydroxyphenyl Acetic Acid (HPAA) (int)]etc. | 150 |
| 9 | Amide group based products [Pretiacnior (H), Captan (F), Cymoxanil (F), Beflubutamide (H), Pethoxamide (H), Carboxin (F), Flubendamide (I), Chlorantranilprole (I), Thiaflusamide (F), Zoxamide (F), Flufenacet (H), 2 Aminosulfonyl – N-N- Dimethylnicotinamide (SNA) (Int), 2-(Methoxycarbonyl) thiophene thiophene-3 Sulfonamide (MST) (Int)] etc. | 150 |
| 10 | Azine group based product Fenpyroximate (I), Metribuzin (H), Pymetrozine (I), Arnitraz (I), Indoxacarb (I), Clofentezine (I), 2 Methoxy -4-Methyl-6-Methylamino-1,3,5-Triazine (MMMT) (Int)] etc. | 300 |
| 11 | Azole group based products [Fipronil (I), Hexaconazole (F), Propiconazole (F), Difenconazole (F), Tricydazole (F), Myclobutanil (F), Florasulam (H), Tebuconazole (F), Flusilazole (F), Tebuconazole (F), Tridemefon, Paclobutrazol (F), Thiamethoxam (I), Flutriafol (F), (Safener Isoxadifen ethyl (Int), Iridaclorpid (I), 2, 6 DiChloroBenzoxazolone (Int), Penoxasulam (H)] etc. | 200 |
| 12 | Carbamate group based product [Thiodicarb (I), Propineb (F), Metiram (F), Thiram (F), Cartap hydrochloride (I), Thiophanate Methyl (F)] etc. | 500 |
| 13 | Ester group based products [Fenoxaprop-p-Et (H), Clodinafop-Pr (H), Quizolfop-p-ethyl (H), Quinzolfopp-terfuryl (H), Cyhalofop (H), Isoprothiolane (F), Alphamethrin (I), Lambda Cyhaothrin (I), Cypermethrin (I), Bifenazate (I), Phthalide (Int)] etc. | 300 |
| 14 | Ether group based products [Propargite (I), oxyfluorfen (H), S-Cyano MPB (Int), 2 Ethoxy Ethyl Amine (Int)] etc. | 200 |
| 15 | Ketone group based product [Mesotrione (H), Suctioned (H), Isoxaflutole (H), Dimethomorph (F), Isobutyrophenone (IBP) (Int)] etc. | 1200 |
| 16 | Phosphate group based product [Chlorpyrifos (I) or its intermidiate Na-TCP (Int), Acephate (I), Monocrotophos (I) or its intermediates MCMMAA (Int.), Dimethoate (I), Profenofos (I), Ethepon (PGR)] etc. | 5000 |
| 17 | Pyridine group based product [Pyridalyl (I), Imazethapyr (H) Cloquintocct Mexyl (H), Acetamiprid (I), 4,6-DiChloro Pyridine (Int)], Azoxvstrobins (F) etc. | 250 |
| 18 | Urea group based product [Buprofezin (I), Lufenuron (I), Linuron (H), Diafenthiuron (I), Diuron (H), Novaluron (I), Chlorimuron (int), Hexythiazox (I), Spiromesifen (I), Azimsulfuron (H) , Sulfonyl Ureas (H)] etc. | 100 |
| 19 | Phenol group based product [2-Cyanophenol (Int), 4- Fluro-3 trilluromethyl phenole (Int)] etc. | 75 |



CHARACTERISATION OF HAZARDOUS WASTE

| SR. NO. | NAME | PHYSICAL FORM | WASTE CATEGORICAL No. | SP. GR. | % SOLIDS | CHEMICAL COMPOSITION | METHOD OF DESPOSAL |
|---------|------------------------------------|------------------|-----------------------|---------|----------|---|---|
| | | | | | | | |
| 1 | ETP SLUDGE | Solid | 34.3 | ----- | 85 | CaO - 55 % P2O5 - 15 % SiO2 - 5 % Water - 15 % Other CaSalts - 10 % | Disposal to Common TSDF facility of M/s. BEIL, Ankleshwar & M/s. SEPL |
| 2 | RECOVERED SULFUR | Solid | D-1 | ----- | --- | Recovered Sulfur CAS No. 7704-349 | Disposal to Common TSDF facility of M/s. BEIL, Ankleshwar |
| 3 | USED OIL | Liquid | 5.1 | 0.94 | --- | Not Applicable | Dispose by Selling to registered Collection, Storage, and Transportation Reprocessors. |
| 4 | DISCARDED CONTAINERS, BAGS/ LINERS | Solid | 33.3 | ----- | ----- | M.S., PVC, HDPE. | Discarded containers sale to Authorised Decontamination Facility . Bags/Liners disposed to Common TSDF facility of M/s. BEIL, SEPL & SEPPIL |
| 5 | PROCESS WASTE / RESIDUE | Liquid / Residue | 29.1 | ----- | ----- | Mostly Organic compound | Stored In Drums and kept at dedicated area and disposed to common Incineration Facility developed by BEIL - Ankleshwar / SEPPIL Send for coprocessing / preprocessing to RSPL/ Eco waste |
| 6 | SOLID WASTE (EVAPORATION SALT) | Solid | 29.1 | ----- | ----- | Mostly In-Organic compound | Disposal to Common TSDF facility of M/s. BEIL, Ankleshwar & M/s. SEPL |
| 7 | Sodium Hydro sulfide 30% | Liquid | --- | ----- | ----- | NasH -30% | Sold to Authorized End users |
| 8 | Hydrochloric Acid 30% | Liquid | B-15 | ----- | ----- | HCL-30% | Sold to Authorized End users |
| 9 | Phosphoric Acid | Liquid | B-15 | ----- | ----- | Phosphoric Acid-68 % | Sold to Authorized End users |
| 10 | Sodium Bisulphite Powder | Powder | B-23 | ----- | ----- | SBS Powder | Sold to Authorized End users |
| 11 | Sodium Sulphite 30% | Liquid | B-15 | ----- | ----- | SS -30 % | Sold to Authorized End users |
| 12 | Sodium Bisulphite Solution (30%) | Liquid | B-23 | ----- | ----- | SBS Sol. 30 % | Sold to Authorized End users |

