



CIN : U24110MH1993PLC070713

July 05, 2021

To,
The Member Secretary
Gujarat Pollution Control Board,
Paryavaran Bhavan,
Sector – 10/A,
Gandhinagar – 382 010.

PCB ID: 43026

Sub. : Submission of Environmental statement for the financial year ending 31st March 2021

Dear Sir,

We are forwarding herewith the Environmental Statement in Form-V for the financial year ending 31st March, 2021 for our Indofil Industries limited (Unit-3) unit, located at plot no. D-2/CH-12, GIDC, Industrial Estate, Village- Dahej, Tehsil- Vagra, Dist.- Bharuch.

We have also enclosed environment monitoring results including;

- 1) Solid waste analysis report
- 2) Soil analysis report
- 3) Effluent analysis report
- 4) Ambient air monitoring report
- 5) Stack monitoring report

We hope that the above is in order.

Thanking You.

Yours faithfully,
For Indofil Industries Limited (Unit – 3)

(Authorized Signatory)

Encl: a/a



CC: The Regional Officer – Bharuch
Gujarat Pollution Control Board
C-1/119/3, GIDC Phase-2,
Narmadanagar,
Bharuch-392015, Gujarat



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FORM- V**ENVIRONMENTAL STATEMENT REPORT For YEAR 2020-2021****M/s Indofil Industries Limited (Unit-03)****PART- A**

(i) Name and address of the owner/ Occupier of the Industry, operation or process : Indofil Industries Limited (Unit-03)
Plot no. D-2/CH-12, GIDC Estate, Dahej, Tal.- Vagra, Dist.- Bharuch- 392130

(ii) Date of the last environmental Audit report submitted : NIL

(iii) Production Capacity :

| Sr. No. | Products | Quantity In TPA |
|---------|-----------------------------|-----------------|
| 1 | KM355 | 600 |
| 2 | K-600F | 600 |
| 3 | K 400 | 240 |
| 4 | SM5050 | 60 |
| 5 | Indtron (Adhesive Chemical) | 420 |

| Sr. No. | Name of the Products | Quantity In TPA |
|-----------|---|-----------------|
| A | EBDC FUNGICIDES PRODUCTS | |
| 1 | Mancozeb & its Formulation | 55000 |
| 2 | Maneb & its Formulation | 500 |
| 3 | Zineb & its Formulation | 5000 |
| 4 | Propineb & its Formulation | 5000 |
| 5 | Sodium Sulphate | 14400 |
| A1 | HERBICIDES | |
| 1 | Glyphosate Tech and its Intermediate Volume | NIL |
| B | SPECIALTY CHEMICALS | |
| 1 | Solution Polymers | 3634 |

| | | |
|----------|-------------------------|-------|
| 2 | Re-dispersible Powder | 11571 |
| 3 | Plastic Modifiers | 20055 |
| 4 | Acrylic Emulsions | 2635 |
| D | AGRO FORMULATION | |
| 1 | Powder Formulation | 32000 |
| 2 | Liquid Formulation | 10000 |
| | OR | |
| 3 | Mancozeb Formulations | 70000 |

- (iv) Year of Establishment : 2018
(v) Last Environment Statement Submitted : 24.04.2020

PART- B
WATER AND RAW MATERIAL CONSUMPTION

- (i) Water consumption m³/d (Average)
- Cooling : 155.42 KLD
Domestic : 28.72 KLD
Process : 153.73 KLD

| Name of Products | Water consumption per unit of Products | |
|------------------|--|---|
| | During the previous Financial Year (2019-20) | During the Current Financial Year (2020-21) |
| 1. Cooling | 1.42 | 1.23 |
| 2. Domestic | 0.26 | 0.23 |
| 3. Process | 1.41 | 1.22 |

- (ii) Raw Material Consumption

| Sr No | Name of Products | Raw Materials | Quantity (MT) |
|-------|------------------|---------------------------------------|---------------|
| 1 | MANCOZEB | Carbon-Di-Sulphide (CS ₂) | 1056 |

| Sr No | Name of Products | Raw Materials | Quantity (MT) |
|-------|------------------|---|---------------|
| | | Caustic Soda Lye (48.50 %) | 1131 |
| | | Zinc Sulphate Solution (ZNSO ₄) (13.5% to13.9%) | 398 |
| | | Sodium Lignosulphonate /Indoliga | 78 |
| | | Ethylene Diamine (EDA) | 416 |
| | | Manganese Sulphate Solution (29.0%) | 3670 |
| | | HexamethyleneTetramine (Stabilized) | 65 |
| | | NOPCONXZ | 4 |

| Sr No. | Name of Products | Raw Materials (R) | Quantity (MT) |
|--------|------------------|--|---------------|
| 2 | ZINEB | Carbon-Di-Sulphide (CS ₂) | 194 |
| | | Caustic Soda Lye (48.50 %) | 201 |
| | | Zinc Chloride Solution | 383 |
| | | Sodium Lignosulphonate / Indoliga | 21.16 |
| | | Ethylene Diamine (EDA) | 75.20 |
| | | Bridenol OT 50 % | 3.67 |
| | | HexamethyleneTetramine (Stabilized) | 17.10 |
| | | China Clay | 31.50 |

Raw Material requirement for Specialty Chemicals

| Sr. No. | Raw Materials | Quantity (MTPM) |
|---------|--|-----------------|
| 1. | Ortho xylene | 20.000 |
| 2. | Di-isobutylenes | 43.000 |
| 3. | Caustic soda lye | 34.000 |
| 4. | Maleic anhydride | 29.000 |
| 5. | Styrene | 205.000 |
| 6. | Tertiary butyl per-benzonate | 0.960 |
| 7. | Celite (hyflowsupercell) | 0.450 |
| 8. | Lycopon | 0.320 |
| 9. | Hydrogen peroxide (H ₂ O ₂) | 134.000 |
| 10. | Celvolit 1328 1100 kgsibc | 1387.000 |
| 11. | Polyvinyl alcohol grade 205 | 53.000 |
| 12. | Nopconxz | 5.680 |

| Sr. No. | Raw Materials | Quantity (MTPM) |
|---------|--------------------------------|-----------------|
| 13. | Micron carb 2 micron | 230.000 |
| 14. | Silica 1240 | 27.000 |
| 15. | Precipitat silica-sipernat22s | 27.000 |
| 16. | Methyl methacrylate (m.m.a) | 1663.000 |
| 17. | Ethyl acrylate (e.a) | 164.000 |
| 18. | Sodium lauryl sulphate-needles | 7.000 |
| 19. | Normal dodecyl marcaptan(nddm) | 0.340 |
| 20. | Potassium persulphate | 0.280 |
| 21. | Acetic acid glacial | 0.340 |
| 22. | Alpha methyl styrene | 7.000 |
| 23. | Sodium meta-bi-sulphite | 0.110 |
| 24. | Ammonium persulphate | 0.370 |
| 25. | Tertiary butyl hydro-preoxide | 0.050 |
| 26. | Formopon | 1.480 |
| 27. | Ferrous sulphate hydrated | 0.000 |
| 28. | Common salt | 0.180 |
| 29. | Dianol-25 | 21.000 |
| 30. | Butyl metha acrylate (bma) | 20.000 |
| 31. | Sodium carbonate | 1.000 |
| 32. | Tertiary dodecyl mercaptan | 3.000 |
| 33. | Cumene hydro - peroxide | 3.000 |
| 34. | Butyl acrylate (b.a) | 429.000 |
| 35. | TMPTA | 1.000 |
| 36. | Cumene hydro - peroxide | 1.000 |
| 37. | Diallyl maleate | 2.000 |
| 38. | Indofil k-120 nd emulsion | 61.000 |
| 39. | Poly asterpolyol 3223 | 17.000 |
| 40. | Dimethylolpionic acid- bisma | 2.000 |
| 41. | N-methyl-2 pyrrolidone (nmp) | 11.000 |
| 42. | Isopropanedisocyanate (ipdi) | 7.000 |
| 43. | Triethyl amine | 1.000 |

| Sr. No. | Raw Materials | Quantity (MTPM) |
|---------|------------------|-----------------|
| 44. | Ethylene diamine | 0.438 |
| 45. | Dibutyl tin | 0.438 |

PART- C

Pollution discharges to environment/ unit of output.

(Parameter as specified in the consent issued)

| (i) Pollution | Quality of Pollutants Discharged (Mass/day) | Concentration of Pollutants discharges (mass/volume) | Percentage of variation from prescribed standards |
|---------------|---|--|--|
| a) Water | N/A as unit is Zero Liquid Discharge | N/A as unit is Zero Liquid Discharge | N/A as unit is Zero Liquid Discharge |
| b) Air | | <p>Boiler stack:</p> <ul style="list-style-type: none"> PM: 40-74 mg/nm³ SOx: 8-13 ppm NOx: 6-10 ppm <p>DG Set Stack:</p> <ul style="list-style-type: none"> PM: 10-23 mg/nm³ SOx: 6-9 ppm NOx: 9-14 ppm <p>Stack of EBDC SPD:</p> <ul style="list-style-type: none"> PM: 8-13 mg/nm³ | All parameters are well within prescribed limit given in CC&A. |

PART- D (HAZARDOUS WASTES)

| Hazardous Wastes | Total Quantity (Kg) | |
|---------------------------------------|--|---|
| | During the previous financial year (2019-20) | During the current financial year (2020-21) |
| (a) From process | 543370 | 396000 |
| (b) From pollution Control Facilities | NIL | NIL |

PART- E

SOLID WASTES

| TOTAL QUANTITY (Kg) | | |
|---|---|--|
| | During the Previous Financial Year (2018-19) | During the Current Financial Year (2019-20) |
| (a) From Pollution Control Equipment | NIL | NIL |
| (b) From Process | 1245600 | 2141000 |

PART- F

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

| Sr. No | Hazardous Waste | Category No. | Total qty disposed off (MT) | Disposal Mode |
|---------------|----------------------------------|---------------------|------------------------------------|---|
| 1 | ETP Sludge / Manganese Carbonate | Sch. I 34.3 | 2141.67 | Collection, Storage, Transportation & Disposal at TSDF site |
| 2 | Used Oil | Sch. I 5.1 | 1.05 | Collection, Storage, Transportation, Disposal by Selling to registered re-refiners. |
| 3 | Discarded drums/barrels/liners | Sch. I 33.3 | 448.32 | Collection, Storage, decontamination, transportation, disposal by selling to authorized decontamination facility |
| 4 | Process Residue | Sch. I 29.1 | 396.78 | Collection, Storage, Transportation & Disposal by sent to incineration/Co-process facility at TSDF site. |
| 5 | Spent Solvent | Sch. I 29.4 | 322.69 | Collection, Storage, Transportation & disposal by selling to authorized end user who is having rule 9 permission after making MOU |

PART- G

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

- The unit has adopted Zero Liquid Discharge technology to reduce fresh water consumption and waste water generation.
- More ever the air emission level has never gone beyond the prescribed standard, hence there were no adverse effect on the environment due to the manufacturing activity of the company and consequently the natural resources were converted at their best. The company has taken lots of pain and spent good amount of money to control air pollution like (Spray dryer, scrubber, bag house etc.) also provides separate storage facility for keeping hazardous waste (e.g. ETP sludge, Process residue etc.)

PART- H

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

N/A

PART- I

Any other particulates in respect of environmental protection and abatement of pollution.

- Frequently we are contributing funds & conducting medical checkup camp for the benefit of nearby villagers as a part of our Corporate Social Responsibility.
- We have obtained ISO 9001 certificate and we are in process to implement ISO – 14001, ISO- 45001.
- World Environment Day, Safety week and Fire day celebrated with various competition and programs.
- Tree plantation programme is being organized during various celebrations inside the plant and surrounding villages.
- We are having full fledged Effluent treatment plant to treat generated effluent and maintaining Zero Liquid Discharge.

Date: 05.07.2021



A handwritten signature in blue ink, appearing to be "B. K. ...".

(Authorized signatory)



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