

TPL/R&D/ HSE / 2021 / 009

25th May 2021

To,
Unit Head Gandhinagar,
Gujarat Pollution Control Board,
Paryavaran Bhavan, Sector 10 - A,
Gandhinagar – 382 010, Gujarat.

GPCB ID: 16686

Sub: Submission of Environment Statement for the period April-2020 to March- 2021.


Respected Sir;

o/c
Please find attached herewith **Environment Statement FORM – V** for the year 2020-2021 as per
Environment Protection rules & the condition of consent order.

Hope you will find it in order.

Thanking you,
Yours faithfully,

**FOR TORRENT PHARMACEUTICALS LTD.
(RESEARCH CENTRE)**


Kuldeep Sharma
Manager – HSE

CC: Regional Officer Gandhinagar

N.M.B.
26/05/2021
Gujarat Pollution Control Board
Head Office
Sector No.-10 A,
Gandhinagar-382010.


ગુજરાત પ્રદૂષણ નિયંત્રણ બોર્ડ
પ્રાદેશિક કચેરી
પર્યાવરણ ભવન, સેક્ટર-૧૦-એ,
ગાંધીનગર-૩૮૨૦૧૦

TORRENT PHARMACEUTICALS LIMITED

CIN : L24230GJ1972PLC002126

Village Bhat, Dist. Gandhinagar - 382428, Gujarat, India. Phone: +91 79 23969100

Reg.Office : Torrent House, Off Ashram Road, Ahmedabad - 380 009, India. Phone: +91 79 26585090 www.torrentpharma.com

FORM – V

(See Rule 14)

**Environmental Statement for the financial Year Ending the 31st March 2021.
(April 2020 to March 2021)****PART – A**

| | | |
|-------|---|---|
| (i) | Name and address of the owner / occupier of the industry operation or process | Torrent Pharmaceuticals (R&D Centre) Plot No. 39/2, 40/2, 41/1, to 4, 42/2, 44/3 to 5, 46/1 to 3, & 46/5 village – Bhat, Nr. Indira Bridge Tal. & Dist – Gandhinagar - 382428 |
| (ii) | Industry Category Primary – (STC Code) Secondary – (STC Code) | Large Scale – Research & Development Centre (Pharmaceuticals) |
| (iii) | Production Capacity of Units | No Production As This is Research & Development Centre |
| (iv) | Year of establishment | 1997 |
| (v) | Date of the last Environmental Statement submitted | 22.06.2020 |

* Submission of Environmental Statement is in accordance with the provision of Rule-14 of the Environment (Protection) Amended Rule, 1993 of the Environment (Protection) Act, 1986 (29 of 1986) published vide Notification dated 22-4-1993 G.S.R. 386 (E) in the Gazette of India-Extraordinary – Part – II Section – 3 Subsection (i), No: 155 dated 28-4-1993 by the Ministry of Environment and Forest, Government of India; read with the Notification dated 13.03.1993 G.S.R. 239 (E), of the Gazette of India – Extraordinary Part – II Section – 3 Subsection (i) No. 120 dated 13-3-1993.

"Every person carrying on an industry, operation or process requiring Consent under Section –25 of the water (Prevention & Control of Pollution) Act, 1974 (6 of 1974) or under section-21 of the Air (Prevention & Control of Pollution) Act, 1981 (14 of 1981) or both or authorisation under the Hazardous Wastes (Management and Handling) Rules, 1989 Published under the Environment (Protection) Act, 1986 (29 of 1986) shall submit an Environmental Statement for the financial year ending the 31st March in Form V to the concerned State Pollution Control Board on or before Thirtieth day of September every year, beginning 1993"

PART – B

Water and Raw Material Consumption

(1) Water Consumption M³ / day

- Process:
33.97 M³/day (Process Bio Degradable)
- Cooling:
61.19 M³/day (Including Boiler & Cooling Water)
- Domestic:
165.53 M³/day

| Name of Products | | Process water consumption per unit of product output | |
|------------------|-----------------------|--|-----------------------------------|
| | | During the previous Financial Year | During the Current Financial Year |
| | | (1) | (2) |
| (1) | Not Applicable | Not Applicable | Not Applicable |
| (2) | | | |
| (3) | | | |

(2) Raw material Consumption

| * Name of Raw Material | Name of Products | Consumption of raw material per unit of output | |
|------------------------|-----------------------|--|-----------------------------------|
| | | During the previous Financial Year | During the Current Financial Year |
| - | Not Applicable | Multiple chemicals is being used in very small quantity as This is Research centre. | |

* Industry may use codes if disclosing details of raw material 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)

| Pollutant | | Quantity of pollutant discharge (mass/day) | Concentration of pollutant in discharged (mass / volume) | Percentage of variation from prescribed standards with reason |
|-----------|--------------------------------------|--|--|---|
| (a) | Water Effluent | m³/day (Average) | All parameters were found well within Norms prescribed by GPCB, Monthly submitted to GPCB | No variations |
| (b) | Air | | | |
| | Boiler GT 3655 & GT 3656 | Within the limits of CC&A | All parameters were found well within Norms prescribed by GPCB, Monthly submitted to GPCB | No variations |
| | DG Set 1 (1500KV) & DG Set 2 (725KV) | | | |
| | Alkaline Scrubber API Pilot Plant | | | |

PART – D
HAZARDOUS WASTES
As specified under Hazardous Wastes (Management and Handling) Rules, 2016

| Hazardous Wastes | | Total Quantity (Kg) | |
|------------------|-----------------------------------|--|---|
| | | During the previous Financial year (2019 – 2020) | During the current Financial year (2020 – 21) |
| (a) | From Process | | |
| | Process Residue Waste | 23773 | 20475 |
| | Date Expired Products | 3800 | 2200 |
| | Off Specification Products | 3900 | 10450 |
| | Spent Solvent | 12145 | 18515 |
| | Empty Barrels & Drums | 2995 | 3600 |
| (b) | From pollution control facilities | | |
| | ETP Sludge | 107360 | 105645 |

**PART – E
SOLID WASTES**

| | | | Total Quantity (Kg) | |
|-----|-----------------------------------|---|--|---|
| | | | During the previous Financial year (2019 – 2020) | During the current Financial year (2020 – 21) |
| (a) | From Process | | 7700 | 12650 |
| (b) | From pollution control facilities | | 107360 | 105645 |
| (c) | (1) | Quantity recycled or reutilised within the plant | NIL | NIL |
| | (2) | Sold | 2995 | 3600 |
| | (3) | Disposed | All Above | All Above |

* Please write the quantity based on disposed sludge.

PART – F

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

- ETP sludge contains mostly inorganic / Organic substances. It is stored in bags and kept at designated Hazardous waste storage area and finally disposed at common TSDF site of DETOX.
- Hazardous Waste like date expired drugs & off specification products, Process residue waste is being stored at dedicated Hazardous waste storage area and sent to the Common Incineration site of SEPPL.
- Hazardous waste like used oil, spent solvent & discarded container are stored at dedicated area and sent to the Regd. Recyclers for recycling & Stored at dedicated separate storage area.

PART – G

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

- Solar power generation system is installed at TRC for the generation of 90 KW power.
- Solar water heater system is being used for the boiler feed water & same solar water heater system at kitchen area.
- Organic Waste Converter available for better management of Kitchen waste & manure is being utilized in our gardening & plantation.

- Treated Effluent water is being utilized for gardening & plantation within the company premises.

PART – H

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

- For better and upkeep system we have procure for replace existing clarifier mechanism with new one.

PART – I

Any other particulars for improving the quality of the environment

- Celebration of World Environment Day by plantation activity; reducing waste / recycle / reuse / environment awareness.
- Installation of energy efficient equipment's.



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

Date: 25/05/2021

Name : **KULDEEP SHARMA**
Designation : **MANAGER - HSE**
Address : **Torrent Pharmaceuticals (R&D)**
Plot No. 39/2, 40/2, 41/1, to 4, 42/2,
44/3 to 5, 46/1 to 3, & 46/5
At – Bhat, Nr. Indira Bridge
Tal. & Dist – Gandhinagar - 382428