

TPL/R&D/ HSE / 2023 / 101

27th June 2023

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-2022 to March-2023.

Respected Sir;

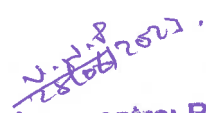
Please find attached herewith **Environment Statement FORM - V** for the year 2022-2023 as per Environment Protection rules & the condition of consent order.

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


Gujarat Pollution Control Board
Head Office
Sector No.-10-A,
Gandhinagar-382010

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 26599000 www.torrentpharma.com

FORM – V

(See Rule 14)

**Environmental Statement for the financial Year Ending the 31st March 2023.
(April 2022 to March 2023)****PART – A**

(i)	Name and address of the owner / occupier of the industry operation or process	Torrent Pharmaceuticals Limited (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	26.05.2022

* 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:
56.8 M³/day (Process Bio Degradable)
- Cooling:
72.4 M³/day (Including Boiler & Cooling Water)
- Domestic:
161.8 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 are used in very small quantities, as it is Research and development facility.	

* 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 DG Set 1 (1500KV) & DG Set 2 (725KV)	Within the limits of CC&A	All parameters were found well within Norms prescribed by GPCB, Monthly report submitted to GPCB	No variations
	Alkaline Scrubber API Pilot Plant			

PART – D
HAZARDOUS WASTES

As specified under Hazardous Wastes (Management and Handling) Rules, 2016

Hazardous Wastes		Total Quantity (MT)	
		During the previous Financial year (2021 – 2022)	During the current Financial year (2022 – 2023)
(a)	From Process		
	Process Residue Waste	4.830	14.475
	Date Expired Products	2.750	8.7
	Off Specification Products	6.250	9.665
	Spent Solvent	14.478	15.853
	Empty Barrels & Drums	4.840	3.437
	Used Oil	0.100	0.413
	Waste Oil	NIL	0.026
(b)	From pollution control facilities		
	ETP Sludge	80.325	127.9
	Oil & Grease Skimming	NIL	7.320

PART – E
SOLID WASTES

		Total Quantity (MT)	
		During the previous Financial year (2021 – 2022)	During the current Financial year (2022 – 2023)
(a)	From Process	9.000	18.365
(b)	From pollution control facilities	80.325	135.22
(c)	(1) Quantity recycled or reutilised within the plant	NIL	NIL
	(2) Sold	4.840	3.437
	(3) Disposed	All Above	All Above

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 is being stored in bags and kept at dedicated Hazardous waste storage area, This ETP sludge is finally disposed at common TSDF site of SEPL.
- 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 hazardous waste Incineration facility 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.

- Company has installed solar power generation system of 90 KW for the generation of renewal energy /power.
- Solar water heater system is being used for the boiler feed water & same solar water heater system at kitchen area.
- Organic Waste Converter replace with modified version its help us for better management of Kitchen waste and treated manure utilized in our gardening & plantation.
- Treated Effluent analysed and used for gardening & plantation within the company premises.

PART – H

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

- Standby high energy efficient Blower for aeration tank has been installed and keep in operation.
- 50 KW solar power proposed for utilization as renewal energy.
- Retrieval Diffuser system under installation for standby aerobic system.
- ETP sludge dryer trial taken and proposed to install for reduction of sludge volume.

PART – I

Any other particulars for improving the quality of the environment

- Creating awareness by various trainings, calibrating world Environment Day by plantation activity; reducing waste / recycle / reuse / environment awareness.
- Provide / install energy efficient equipment's.
- Proposed additional Solar power of 50 KW and sludge dryer are good practices for betterment of Environment.



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

Date: 27/06/2023

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