

29th September, 2021 Visakhapatnam

Visakhapatnam-530009

To
The Environment Engineer
AP Pollution Control Board
Plot No-14, Flat No-103 & 104
Journalist Colony, Marripalem Vuda Colony,

Subject: Submission of Environmental Statement for the period 2020-21.

Respected Sir,

With reference to the above said subject we are herewith submitting Environmental Statement in prescribed format FORM –V for the period 2020-21 ending with 31st March 2021.

Kindly acknowledge the same.

Thanking You

For Torrent Pharmaceuticals Limited

(Akash Patel)

GM - Manufacturing

FORM V

(See Rule 14)

Environmental Statement for the financial year ending the 31st March 2021

PART-A

(i)

of industry operation or process.

Name and address of owner/Occupier : Torrent Pharmaceuticals Limited, Plot No: 77, JN Pharma city, Thanam (V), Parawada

(M), Visakhapatnam-531021

Industry Category Primary STC code) : Medium Scale Industry (ii)

Secondary ____ (SIC code)

Production Capacity (iii)

: 630.32 Kg/day.

Year of establishment (iv)

: 2007 (Torrent Acquires on Sep'16)

Date of last environmental statement (v)

:

:

: 16th September 2020

submitted

PART-B

Water and Raw material consumption

(1) Water Consumption m3/day:

Process

3.7

Cooling

18.68 (Cooling +Boiler feed)

Domestic

9.24

Sr		Process water consumption per (m3/day)	
No Name	Name of Product	During the previous financial year	During the current financial year
1	API & Intermediates	10.32	1.45

			Consumption of raw material per unit of output		
Sr No	Name of Raw material consumption	Name of Product	During the previous financial year FY 19-20	During the current financial year FY 20-21	
1	2Chloromethoxy143Methoxy Propoxy3Methyl pyridine Hydrochloride	Rabeprazole Sodium	0	1.47	
2	2-Chloromethyl-3,5-Dimethyl-4- Methoxy Pyridine Hydrochloride	Esomeprazole Magnesium Stage-III (Intermediate)	0	1.36	
3	Nicotinic Acid	Intermediat.Of Nicorandil	0	1.6	
4	6-Chloro-9H-Purin-2-Amine	Penciclovir	0	25.9	
5	31dimethyl amine ethyl Phenol HCL	Rivastigmine Hydrogen Tartarate	0.50	3.57	
6	N-Ethyl-N-Methyl Carbamoyl Chloride		0	2.96	

7	MSNH(N'-Methane Sulfonyl Nicotinic Hydra	TRC4186	0	0.92
8	2-Cat (2-Chloro-1-Thien-2- Ylethanone)		0	0.82
9	3-Nitro thalic acid	Candesartan cilenxetil	0.54	0
10	2-Chloromethyl-3,5-Dimethyl-4- Methoxy Pyridine Hydrochloride	Esomeprazole magnesium stage-III	1.33	0
11	23-DichloroBenzoy Nitrile	Lamotrigine	1.33	0.84
12	Nicotinic Acid	Nicorandil	0	0
13	D (-) Fructose	Topiramate	0	1.2
14	4-(2-Bromoethyl)-3-Chloro-1,3- Dihydro-2h	Ropinirole Hydrochloride	0	2.4
15	2-Amino-5-Methylthiophene-3- Carbonitrile	Olanzapine	0.71	1.37
16	Olanzapine (IP)	Olanzapine pamoate	2.17	0

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

Sr No	Quantity of pollutants discharged (mass/day)	Concentration of Pollutants in discharge (mass/volume)	Percentage of variation from prescribed standards with reasons
a) Water	Attached Annexure-I (Effluen Annexure-II (Waste water Re	t Disposal Data) ports)	
b) Air	Attached Annexure-III (Air R	eports)	

PART-D Hazardous wastes

			Total	quantity
Sr No	Hazardous waste	Source of Generation	During the previous financial year (2019-20) in TPA	During the current financial year (2020-21) in TPA
1	Process and Organic Residue	From process	2.858	0.208
2	Inorganic Solid Waste & Salts (Inorganic Process Salts)	From process	0.456	1.5
3	Spent Carbon+Hyflow	From process	0.73	5.03
4	ETP Sludge	From pollution control facilities	0.036	3.83
5	Sodium Hydride Empty bags	From process	0	0
6	Rejected product	From process	1.265	989
7	Used PPE	From process	0.62	1.341
8	Rejected raw materials	From process	3.469	2590
9	HEPA Filters	From process	0	0
10	Insulation wool	From process	0.767	0
11	Thermocol	From process	0.063	0.046
12	HDPE/LDPE Bags	From process	0	0.15
13	Expired Laboratory Chemicals	From process	0.39	0.18
14	Filtration Bags	From process	0.034	0.205
15	Contaminated sand	From pollution control facilities	0	0

16	General waste	From process	1.07	28
17	Foam	From process	0	0
18	Cooling tower packing material	From process	0	0
19	Used Oil	From process	0.115	0
20	Empty barrels / Liners Contaminated with hazardous Chemicals waste	From process	2.02	12.01
21	Cooling tower sludge	From Process	1.95	0

PART-E Solid Waste

		Total quantity (Kg)		
Sr No	Solid waste	During the previous financial year	During the current financial year	
(a)	From process	Nil	Nil	
(b)	From pollution control facility	Nil	Nil	
(c)	(i) Quantity recycled or reutilized within the unit	Nil	Nil	
	(ii) Sold	Nil	Nil	
	(iii) Disposed	Nil	Nil	

PART-F

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

Type of Hazardous waste	Disposal Mode	Disposal Facility
Process residue and Organic residue from Distillation bottom	Sent to TSDF, Parawada, for incineration/ Authorised Cement plants for co-processing.	Coastal Waste Management Project- Ramky, Parawada, Visakhapatnam
Spent Carbon	Sent to TSDF, Parawada, for incineration/ Authorised Cement plants for co-processing.	Coastal Waste Management Project- Ramky, Parawada, Visakhapatnam
Inorganic process salts	Sent to TSDF, Parawada, for secured land filling.	Coastal Waste Management Project- Ramky, Parawada, Visakhapatnam
ETP Sludge	Sent to TSDF, Parawada, for secured land filling.	Coastal Waste Management Project- Ramky, Parawada, Visakhapatnam
Spent solvents	Shall be sent to APPCB authorized agency	S.S.V Fine chem, PlotNo.4F, DE-Notified Area, APSEZ, Atchutapuram, Rambilli(M), Visakhapatnam (D)
Used Oils	Authorized reprocessors/recyclers	Send to M/s. NSR Industries, IDA Phase-I, Peddapuram, East Godavari Distn Andhra Pradesh. (Handed over to the industry's warehouse at Pendurthy Visakhapatnam.)
Container and container liners of hazardous waste	After complete detoxification shall be disposed to outside agencies for recycling.	Sri Sai Plastics, Autonagar, Visakhapatnam.
Used lead acid batteries	Shall be sent back to suppliers on buy back basis.	To the Manufacturer on buy back basis.
Mixed solvent	Shall be sent to APPCB authorized agency	S.S.V Fine chem, PlotNo.4F, DE-Notified Area, APSEZ, Atchutapuram, Rambilli(M), Visakhapatnam (D)
Spent acids	Shall be sent to APPCB authorized agency	VS Sethia, APIIC Autonagar, Visakhapatnam-531019

Type of Hazardous waste	Disposal Mode	Disposal Facility
Contaminated Sand (used	Sent to TSDF, Parawada, for	Coastal Waste Management Project-
for spill collection & control)	secured land filling.	Ramky, Parawada, Visakhapatnam
for spin conceden a centus,	Sent to TSDF, Parawada, for	Coastal Waste Management Project-
Rejected raw material	incineration.	Ramky, Parawada, Visakhapatnam
The state of the s	Sent to TSDF, Parawada, for	Coastal Waste Management Project-
Rejected Products	incineration.	Ramky, Parawada, Visakhapatnam
	Sent to TSDF, Parawada, for	Coastal Waste Management Project-
HEPA Filters	incineration.	Ramky, Parawada, Visakhapatnam
and the state of t	Sent to TSDF, Parawada, for	Coastal Waste Management Project-
Insulation wool	incineration.	Ramky, Parawada, Visakhapatnam
	Sent to TSDF, Parawada, for	Coastal Waste Management Project-
Thermocol	incineration.	Ramky, Parawada, Visakhapatnam
	After complete detoxification	Coi Coi Plantina Automagar
Contaminated glassware	shall be disposed to outside	Sri Sai Plastics, Autonagar,
Contaminated glass wars	agencies.	Visakhapatnam.
recording to a more	Sent to TSDF, Parawada, for	Coastal Waste Management Project-
PPEs	incineration.	Ramky, Parawada, Visakhapatnam
e an veneral since se se	Sent to TSDF, Parawada, for	Coastal Waste Management Project-
Sodium Hydride bags	incineration.	Ramky, Parawada, Visakhapatnam
	Sent to TSDF, Parawada, for	
HDPE Bags	incineration/for recycling to	Sri Sai Plastics, Autonagar,
1121225.85	authorized recyclers.	Visakhapatnam.
Expired Laboratory	Sent to TSDF, Parawada, for	Coastal Waste Management Project-
chemicals	incineration.	Ramky, Parawada, Visakhapatnam
CONTRACTOR VARIANCE AND	Sent to TSDF, Parawada, for	Coastal Waste Management Project-
Filtration bags	incineration.	Ramky, Parawada, Visakhapatnam
C 1 1 1	Disposed to local Ash Bricks	Coastal Waste Management Project-
Coal Ash	manufacturers.	Ramky, Parawada, Visakhapatnam
	Sent to TSDF/CWMP, Parawada,	Coastal Waste Management Project-
Cooling Tower Sludge	Visakhapatnam District for	Ramky, Parawada, Visakhapatnam
	incineration.	Turnity, Turavvacia, Abata aparame
Carling Tarrey Darling	Sent to TSDF/CWMP, Parawada,	Coastal Waste Management Project-
Cooling Tower Packing	Visakhapatnam District for	Ramky, Parawada, Visakhapatnam
material	incineration.	Turning, Fural vacua, Fural vacua
	Sent to TSDF/CWMP, Parawada,	Coastal Waste Management Project-
Foam	Visakhapatnam District for	Ramky, Parawada, Visakhapatnam
	incineration.	
Oil Contaminated Waste	Sent to TSDF/CWMP, Parawada,	Coastal Waste Management Project-
(DG Set oil filters)	Visakhapatnam District for	Ramky, Parawada, Visakhapatnam
(DG Set on inters)	incineration.	
	Sent to TSDF/CWMP, Parawada,	Sri Sai Plastics,
General Waste	Visakhapatnam District for	Autonagar, Visakhapatnam.
	incineration.	T. Contraction

The different types of solid recyclable waste as an outcome of construction activity, like steel/MS Scrap, Empty Cement Bags, Cable pieces, wooden waste etc. sold to scrap vendor.

PART-G

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

- Biomass Briquettes as fuel to Boiler.
- Plastic waste segregation at food serving areas.
- Replacement of plastic water bottles with SS water bottles.
- Avoiding process seepages, spillages by stringent monitoring.
- Facility upgradation has been done against the Strom water drainage system.
- LEL detector installed at solvent tank farm area.

- Hydrogen & Nitrogen generators are replaced with cylinders @QC
- HPLC area installed H2 & O2 detectors as a part of leakages.

PART-H

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

- Proposed for avenue plantation of area 4 km by Social Forestry Department.
- Proposed to procure portable VOC.

PART-I

Any other particulars for improving the quality of the environment.

- HSE Policy revised and displayed at strategic locations inside the plant.
- Following Standard operational procedures against environmental practices.
- Monitoring of Online Continuous Effluent Monitoring System
- Intactness of Online VOC meter
- Obtained Certificate for ISO 14001:2015 on 29th Nov'19.
- Monitoring of environmental parameters viz-ambient air, stack, Noise and efficiency of control
 equipment is being done at regular basis through MoEF and CC recognized laboratory.

Date: 29/09/2021

29/09/2021

(Signature of a person carrying out an industry, Operation & Process)

Name

: Akash Patel

Designation

: GM - Manufacturing

Address: M/s. Torrent Pharmaceuticals Limited.,

Plot No 77, JN Pharma city, Thanam (V), Parawada (M), Visakhapatnam District.

ANNEXURE-I

	Effluent Disposal for the year 2020 - 21					
S. No	Month of disposal	LTDS Effluent Quantity(KL)	HTDS Effluent Quantity(KL)			
1	Apr-20	480	203			
2	May-20	617	160			
3	Jun-20	700	150			
4	Jul-20	375	368			
5	Aug-20	263	617			
6	Sep-20	175	460			
7	Oct-20	300	425			
8	Nov-20	375	379			
9	Dec-20	425	326			
10	Jan-21	300	520			
11	Feb-21	325	320			
12	Mar-21	325	310			

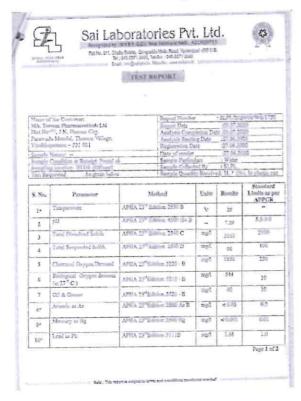
ANNEXURE-II

LTDS Effluent Report (Jun'2020)

	The second secon	Fie Tolory, Braggolde Mark Road, Mysterol (1982-1981 - 1988), Telefres (1984-1987) (1988) (1984 - 1984-1984) (1984-1984) (1984-1984)			
		TEST REPORT			
	The Comment			ELPL20	JUL W3/1
Plot 15	erret Flormannick I.M n-71, I.N. Phanca Gry, da Mondal, Thomas Villian,	Rentet Dale Auntyrie Comp	rice Du	# #E 07 2/3	i G
Yleikh	prosen - 531 021	Analysis Startin Pargentation De	g Delte M	27,04,30	
Sample	Condition at Receipt Found of	Date of receipt Sample Parties	igs.	27.64 M	-
Second	g bysater (109 (attack)	Sample Collects	d By	3170	in plante c
5 No.		Method	Units	Residte	Enquire a
je	Tayona	APRIA 12" Episson 1981 B	*c	35	
2	ja	APHA LS" Nation 4500 H+B	-	7,42	5,54.0
3	Total Dissolved Solich	APHA 23" (160 to 2540 C	med	1856	2100
4	Total Responded Scipts	AFRIA 23" Baltion 2540 D	mgf	62	160
3	Chemical Charges Demand	AMMA ESTERNA SERO - B	ng/l	510	250
5	Budgest Organ Joseff (p. 27 °C)	APRIA 23"Galice, NISO - B	Bell	154	15.
7	CE A Count	AFRA 23"0.050 p 2525 - 26	2001	8.0	10
3'4	Actoria or As	APRA 27°EdNos 5900 As B	mat	< 0.05	0.2
ge	Manay to Eq.	APRIC 22" (APRics, 2010) Hg	mgil	<9.001	0.01
10"	1,00d to Pb	APRIA 23" Basing 21 T (8	tigit	0.86	1,0
					Page 1 of

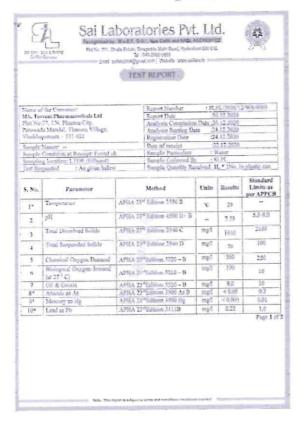


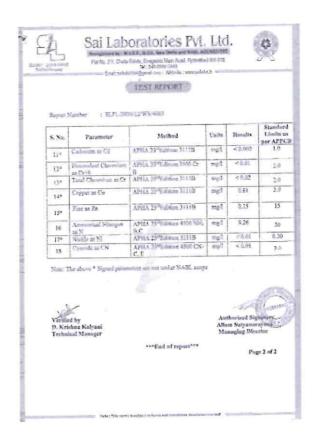
HTDS Effluent Report(Jun'2020)



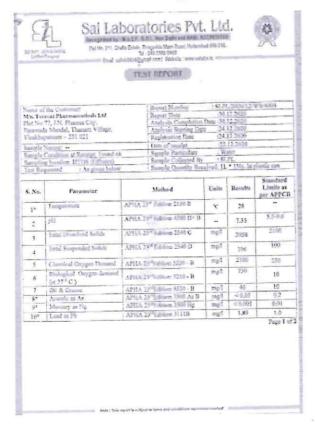


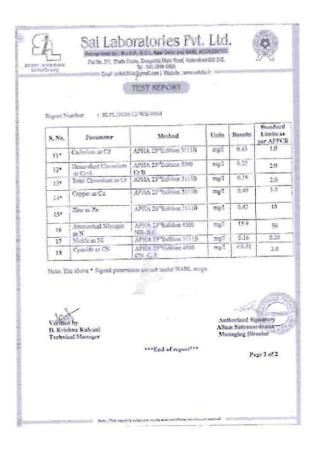
LTDS Effluent Report(Dec'2020)





HTDS Effluent Report(Dec'2020)





ANNEXURE-III

AMBIENT AIR QUALITY

Location	Parameter	Limit	Min	Max	Avg.
	PM 2.5	60 μg/m ³	22.9	28.2	25.3
	PM 10	100 μg/m ³	56.3	68.4	62.1
Near Security –	SO2	80 μg/m ³	16.3	20.3	18.3
	NOX	80 μg/m ³	19.7	25.1	23.2
	PM 2.5	60 μg/m ³	22.4	25.6	23.7
	PM 10	100 μg/m ³	52.4	59.3	55.9
Near E-Block	SO2	80 μg/m ³	16.4	19.3	17.8
	NOX	80 μg/m ³	19.1	24.5	22.4
	PM 2.5	60 μg/m ³	24.1	27.2	25.8
	PM 10	100 μg/m ³	62.4	68.7	65.7
Near Boiler —	SO2	80 μg/m ³	17.4	22.7	20.6
	NOX	80 μg/m ³	22.9	27.4	24.4

AMBIENT NOISE LEVELS

Near Security Gate (Day time)	Noise Level	75dBA	58.5	66.3	63.9
Near D.G Room (Day time)		75dBA	55.2	69.4	64.9
Near Utility (Day time)		75dBA	69.8	72.9	70.7
Near Security Gate (Night time)		70dBA	52.1	56.4	54.7
Near D.G Room (Night time)		70dBA	50.4	61.2	56.5
Near Utility (Night time)		70dBA	65.8	68.5	67.3

PROCESS EMISSION

Location	Parameter	Limit	Min	Max	Avg.
SCB/A01		35 PPM	16.2	23.4	19.7
SCB/D01		35 PPM	15.5	23.5	19.0667
SCB/D02	—— Acid Mist	35 PPM	15.1	15.8	15.45
SCB/DC		35 PPM	15.3	16.1	15.7

FLUE GAS EMISSION

Location	Parameter	Limit	Min	Max	Avg.
Boiler	PM	100 mg/Nm ³	63.7	72.2	68.66
	SO2	-	71.9	86.3	79.5375
	NOX	X II	85.3	98.4	91.575
	PM Inlet	· ·	284.2	290.1	287.15
	Efficiency of	%	97.5	97.5	97.5
DG Set 1	PM	100 mg/Nm ³	0.23	0.26	0.245
	SO2	7 -	2.28	2.28	2.28
	NOX	8#	1.42	1.53	1.475
DG Set 2	PM	100 mg/Nm ³	0.23	0.25	0.24
	SO2	-	2.36	2.36	2.36
	NOX		1.49	1.53	1.51