

Date: 10-JUN-20

To,

The Environmental Officer, Karnataka State Pollution Control Board, Regional Office: Anekal region Nisarga Bhavan, Basaveshwaranagar

Dear Sir,

Bangalore - 560 010

Subject: Submission of Hazardous waste Annual returns in form -4 from Apotex research pvt ltd plot No.2, 4th phase, Bommsandra industrial area, Jigani link road, Bangalore-560 099

Reference: Section 6(5) of Hazardous and other wastes (Management &Transboundary movement) Rules-2016

Find the enclosures herewith the hazardous waste annual returns for the year 2019-20 in Form -4. Kindly acknowledge the receipt of the same

Thanking you

For Apotex Research pvt Ltd

Prasanna kumar R Manager –EHS





FORM-4 [See rules 6(5), 13(8), 16(6) and 20(2)] FORM FOR FILING ANNUAL RETURNS BY THE OCCUPIER OR OPERATOR OF THE FACILTY

[To be submitted by the occupier/operator of disposal facility to state pollution control board/pollution control committee by 30th June of every year for the preceding period of April 2019 to March 2020.]

1	Name and address of the generator of facility	Apotex research pv Jigani link road. Bo Bangalore-560099.	mmasandra				
2	Authorization No. & Date Of issue			320/2013-14/H-1360	DATED	25-0	oct-13
3	Name of the authorized person and full address with telephone and fax number & email.	Mr. PARAMESWARA Site Head. Apotex research pv Industrial area, Bai	t, ltd, Plot-2	, IV-Phase, Jigani lin 199.	ık road. E	Bomn	nasandra
4	Production during the year (Product wise) wherever applicable	Bio equivalence and	d Bio availab	ility study center			
	PA	RT-A: TO BE FILLED E	BY HAZARDO	US WASTE GENERAT	OR		
1	Total quantity of waste g	enerated category wi	se			D.S.	
	Quantity of hazardous	Type of hazardou	s waste	Quant	ity (KL/	/MT)	
	waste (in MTA)			Authorized			erated
		(a)Used oil		0.5KL		0.1	ИT
		(b) Oil soaked cotto	on waste Oil	0.1MT		0.00	5MT
		(c) ETP Sludge		2.0 MT		0.66	5 MT
		(d) Off Specification	n Product.	1.0MT		0.05	55MT
	l i	(e) Containers.		200Numbers		2 No	os.,
		(f) Liners		0.05MT		0.00	2MT
2	Quantity dispatched		January Language			100	- Piliana
			Name & address of consignee	Type of Hazardous Waste	Catego No.	ту	Quantity (MT)
		I. TO Facility	Ramky	ETP Sludge	35.3		NIL
			E Nano Incintech	Off-Specification products	28.4 / 2	8.5	0.1MT
		1		Oil Soaked Cotton Waste	5.2		0.0055MT
		II. To recycler or co-	N V	Containers	33.1		8 No's
		processors or pre	Trading & Co	Liners	33.1		0.008MT
		p. 0003301	Bharat Lubricants	Used Oil	5.1		0.1MT
		Others	NIL	NIL	NIL		NIL
3	Quantity Utilized in-ho	ouse if any-			nd tre-s		
						-1111-2	

Type of hazardous waste	Quantity (KL/MT)		
(a)Head all	Authorized	Generated	
(a)Used oil	0.5KL	NIL	
(b) Oil soaked cotton waste Oil filters	0.1MT	NIL	
(c) ETP Sludge	2MT	1.49 MT	
(d) Off Specification Product.	1MT	NIL	
(e) Containers.	200MT	NIL	
(f) Liners	0.05MT	NIL	

Date: 10-Jun-20 Place: Bangalore

Signature of the occupier or operator of the facility





No. 1064, 2nd Floor, Rajagopal Nagar Main Road, Near Police Station, 2nd Stage Peenya Industrial Area, Bangalore - 560 058. | E - mail : enquiry.nalrc@gmail.com

Tel: 080 41214555 | Mob: +91 70901 54555

Test Reports

Name & Address of the Customer

: M/s. Apotex Research Pvt. Ltd., (BEC) Plot No.2, Bommasandra Industrial Area,

Jigani Link Road, Bangalore 560099

Date of Sample Collection

: 28/06/2019 : Borewell Water

Particulars of sample

Sample Qty: 2 Liters + 250 ml, Sampling Type: Grab

Sampling Point: Not Specified

Date of sample Receipt

28/06/2019

Sample ID/Code Date of Analysis Started NALRC/2019/06/W/489

Date of Analysis Started Date of completion : 28/06/2019 : 02/07/2019

Report No Report Date : NALRC/2019/07/551

: 02/07/2019

Page No

:1/2

Description

: Colorless, Odorless, transparent liquid.

		Requirement	Permissible limit		
Parameters	Results	Acceptable	in the absence at	Test Method	
rarameters	Results	Limits	alternate source		
		(As per I	S 10500:2012)		
Physical parameters:			ř	T T	
Color, Hazen Units	<5	5	15	IS 3025 (P-04)1983 RA 2017	
Odor	Agreeable	Agreeable	Agreeable	IS 3025 (P-09)1984 RA 2017	
pH Value	74	6.5-8.5	No relaxation	IS 3025 (P-11)1983 RA 2017	
Taste	Agreeable	Agreeable	Agreeable	IS 3025 (P-08)1984 RA 2017	
Turbidity, NTU	2.8	1	5	IS 3025 (P-10)1984 RA 2017	
Conductivity, µS/cm	1031.0			IS 3025 (P-14)1984 RA 2013	
Total Dissolved Solids, mg/L	577.0	500	2000	IS 3025 (P-16)1984 RA 2017	
General parameters:	411	61p			
Aluminum as Al, mg/L	< 0.03	0.03	0.2	IS 3025 (P-55)2003 RA 2014	
Boron as B, mg/L	<0.1	0.5	1.0	APHA 23nd Edition4500B B	
Calcium as Ca, mg/L	62.0	75	200	IS 3025 (P-40)1991 RA 2014	
Chloride as Cl, mg/L	152.0	250	1000	IS 3025 (P-32)1988 RA 2014	
Copper as Cu, mg/L	<0.05	0.05	1.5	IS 3025 (P-42)1992 RA 2014	
Fluoride as F, mg/L	0.2	1.0	1.5	APHA 23nd Edition4500F-D	
Residual Free Chlorine as Cl ₂ , mg/L	<0.2	0.2	1.0	IS 3025 (P-26)1986 RA 2014	
Iron as Fe, mg/L	0.20	0.3	No relaxation	APHA 23nd Edition 3500-Fe B	
Magnesium as Mg, mg/L	15.0	30	100	IS 3025 (P-46)1994RA 2014	
Manganese as Mn, mg/L	<0.1	0.1	0.3	IS 3025 (P-59)2006 RA 2017	
Mineral Oil, mg/L	<0.1	0.5	No relaxation	IS 3025 (P-39)1991 RA 2014	
Nitrate as NO ₃ , mg/L	10.1	45	No relaxation	IS 3025 (P-34)1988 RA 2014	
Selenium as Se, mg/L	<0.01	0.01	No relaxation	IS 3025 (P-56)2003 RA 2014	
Sulphate as SO ₄ , mg/L	19.0	200	400	APHA 23nd Edition4500SO ₄ ² -E	
Zinc as Zn, mg/L	< 0.05	5	15	IS 3025 (P-49)1994 RA 2014	
Total Hardness as CaCO ₃ , mg/L	220.0	200	600	IS 3025 (P-21)2009 RA 2014	
Total Alkalinity as CaCO ₃ , mg/L	181.0	200	600	IS 3025 (P-23)1986 RA 2014	
Ammonia as total ammonia-N, mg/L	< 0.05	0.5	No relaxation	IS 3025 (P-34)1988 RA 2014	
Chloramines as Cl ₂ , mg/L	<0.1	4.0	No relaxation	IS 3025 (P-26)1986 RA 2014	
Phenolic compounds as C ₆ H ₅ OH, mg/L	< 0.001	0.001	0.002	IS 3025 (P-43)1992 RA 2014	



Authorized Signatory

Nate 1. The remote listed above pertain only to the sensed samples and applicable parameters. 2. Samples will be stored for a poone of one month answers offer specified. 3. This report is not to be remote.



No. 1064. 2nd Floor, Rajagopal Nagar Main Road, Near Police Station, 2nd Stage Peenya Industrial Area. Bangalore - 560 058. | E - mail | enquiry.nalrc@gmail.com

Tel: 080 41214555 | Mob: +91 70901 54555

Test Reports

Name & Address of the Customer

: M/s. Apotex Research Pvt. Ltd., (BEC)

Plot No.2, Bommasandra Industrial Area,

Jigani Link Road, Bangalore 560099

Date of Sample Collection

: 28/06/2019

Particulars of sample

: Borewell Water

Sample Qty: 2 Liters + 250 ml, Sampling Type: Grab

Sampling Point: Not Specified

Date of sample Receipt

: 28/06/2019

Sample ID/Code

: NALRC/2019/06/W/489

Date of Analysis Started Date of completion

: 28/06/2019 : 02/07/2019

Report No

: NALRC/2019/07/551

Report Date

: 02/07/2019

Page No

: 2/2

Description

: Colorless, Odorless, transparent liquid.

(As]	per IS 10500:2012)	
0.003	No relaxation	IS 3025 (P-41)1992 RA 2014
0.01	No relaxation	IS 3025 (P-47)1994 RA 2014
0.05	No relaxation	IS 3025 (P-52)2003 RA 2014
	0.01	0.01 No relaxation

bacteriological ratameters.								
Total coli form Bacteria,	Absent	Shall not be detectable in 100 ml sample	IS 1622-1981 RA 2014					
MPN/100ml								
Escherichia Coli, MPN/100ml	Absent	Shall not be detectable in 100 ml sample	IS 1622-1981 RA 2014	392				

Remarks: -The given sample meets to Permissible limits as per IS 10500:2012 for above Physico - chemical testing & bacteriological tests.

* * * * * End of the Report* * * *

Stitter 4 Analyzed By

Authorized Signatory



No. 1064, 2nd Floor, Rajagopal Nagar Main Road, Near Police Station, 2nd Stage Peenya Industrial Area, Bangalore - 560 058. | E - mail : enquiry.nalrc@gmail.com

Tel: 080 41214555 | Mob: +91 70901 54555

Test Reports

Name & Address of the Customer

M/s. Apotex Research Pvt. Ltd., (BEC)

Plot No.2, Bommasandra Industrial Area,

Jigani Link Road, Bangalore 560099

Date of Sample Collection

28/06/2019

Particulars of sample

Borewell Water

Sample Qty: 2 Liters + 250 ml, Sampling Type: Grab

Compline Points Not Consisted

Sampling Point: Not Specified

Date of sample Receipt

: 28/06/2019

Sample ID/Code

: NALRC/2019/06/W/489

Date of Analysis Started Date of completion : 28/06/2019 : 02/07/2019

Report No

: NALRC/2019/07/551

Report Date Page No

: 02/07/2019

Description

: 1/2 : Colorless, Odorless, transparent liquid.

Parameters	Results	Requirement Acceptable Limits	Permissible limit in the absence at alternate source	Test Method
Physical parameters:		(As per I	S 10500:2012)	
Color, Hazen Units	<5	5	15	IS 3025 (P-04)1983 RA 2017
Odor	Agreeable	Agreeable	Agreeable	IS 3025 (P-09)1984 RA 2017
pH Value	74	6.5-8.5	No relaxation	IS 3025 (P-11)1983 RA 2017
Taste	Agreeable	Agreeable	Agreeable	IS 3025 (P-08)1984 RA 2017
Turbidity, NTU	2.8	1	5	IS 3025 (P-10)1984 RA 2017
Conductivity, µS/cm	1031.0			IS 3025 (P-14)1984 RA 2013
Total Dissolved Solids, mg/L	577.0	500	2000	IS 3025 (P-16)1984 RA 2017
General parameters:	the second			
Aluminum as Al, mg/L	< 0.03	0.03	0.2	IS 3025 (P-55)2003 RA 2014
Boron as B, mg/L	<0.1	0.5	1.0	APHA 23nd Edition4500B B
Calcium as Ca, mg/L	62.0	75	200	IS 3025 (P-40)1991 RA 2014
Chloride as Cl, mg/L	152.0	250	1000	IS 3025 (P-32)1988 RA 2014
Copper as Cu, mg/L	< 0.05	0.05	1.5	IS 3025 (P-42)1992 RA 2014
Fluoride as F, mg/L	0.2	1.0	1.5	APHA 23nd Edition4500F-D
Residual Free Chlorine as Cl ₂ , mg/L	<0.2	0.2	1.0	IS 3025 (P-26)1986 RA 2014
Iron as Fe, mg/L	0.20	0.3	No relaxation	APHA 23nd Edition 3500-Fe B
Magnesium as Mg, mg/L	15.0	30	100	IS 3025 (P-46)1994RA 2014
Manganese as Mn, mg/L	<0.1	0.1	0.3	IS 3025 (P-59)2006 RA 2017
Mineral Oil, mg/L	<0.1	0.5	No relaxation	IS 3025 (P-39)1991 RA 2014
Nitrate as NO _{3,} mg/L	10.1	45	No relaxation	IS 3025 (P-34)1988 RA 2014
Selenium as Se, mg/L	<0.01	0.01	No relaxation	IS 3025 (P-56)2003 RA 2014
Sulphate as SO ₄ , mg/L	19.0	200	400	APHA 23nd Edition4500SO ₄ ² -E
Zinc as Zn, mg/L	<0.05	5	15	IS 3025 (P-49)1994 RA 2014
Total Hardness as CaCO ₃ , mg/L	220.0	200	600	IS 3025 (P-21)2009 RA 2014
Total Alkalinity as CaCO ₃ , mg/L	181.0	200	600	IS 3025 (P-23)1986 RA 2014
Ammonia as total ammonia-N, mg/L	< 0.05	0.5	No relaxation	IS 3025 (P-34)1988 RA 2014
Chloramines as Cl ₂ , mg/L	<0.1	4.0	No relaxation	IS 3025 (P-26)1986 RA 2014
Phenolic compounds as C ₆ H ₅ OH, mg/L	<0.001	0.001	0.002	IS 3025 (P-43)1992 RA 2014



Authorized Signatory



No. 1064. 2nd Floor. Rajagopal Nagar Main Road. Near Police Station, 2nd Stage Peenya Industrial Area. Bangalore - 560 058. | E - mail | enquiry.nalrc@gmail.com Tel : 080 41214555 | Mob : +91 70901 54555

Test Reports

Name & Address of the Customer

: M/s. Apotex Research Pvt. Ltd., (BEC)

Plot No.2, Bommasandra Industrial Area,

Jigani Link Road, Bangalore 560099

Date of Sample Collection

: 28/06/2019

Particulars of sample

Borewell Water

Sample Qty: 2 Liters + 250 ml, Sampling Type: Grab

Sampling Point: Not Specified

Date of sample Receipt

Sample ID/Code

: 28/06/2019 : NALRC/2019/06/W/489

Date of Analysis Started

28/06/2019

Date of completion

: 02/07/2019

Report No Report Date :NALRC/2019/07/551

Report Dat Page No : 02/07/2019 : 2/2

Description

: Colorless, Odorless, transparent liquid.

Parameters	Results	Requirement Acceptable Limits	Permissible limit in the absence at alternate source	Test Method
		(As pe	r IS 10500:2012)	
	<0.003	0.002	No relevation	IC 2025 /P 41\1992 P A 2014
Toxic substance Parameters: Cadmium as Cd, mg/L	<0.003	0.003	No relaxation	IS 3025 (P-41)1992 RA 2014
	<0.003 <0.01 <0.05	0.003 0.01 0.05	No relaxation No relaxation No relaxation	IS 3025 (P-41)1992 RA 2014 IS 3025 (P-47)1994 RA 2014 IS 3025 (P-52)2003 RA 2014

Dacteriological Tarameters.			
Total coli form Bacteria,	Absent	Shall not be detectable in 100 ml sample	IS 1622-1981 RA 2014
MPN/100ml			
Escherichia Coli, MPN/100ml	Absent	Shall not be detectable in 100 ml sample	IS 1622-1981 RA 2014

Remarks: -The given sample meets to Permissible limits as per IS 10500:2012 for above Physico – chemical testing & bacteriological tests.

**** End of the Report* * * * *

Analyzed By

Authorized Signatory

one 1. The results indeed above person carry to the besind samples and approache parameters. 2. Samples will be stored for a period of unit month unless otherwise specified. 3. This report is not to be reproduce other which, or in part and can not be used an evidence in the court of law unit should onlibe used in any advertising modia without prior written permission. 4. Sampling not done by us, unless specified.