

Ref No. : AIL-N/NKS/011/21-22

Date: 29.09.2021

To,  
The Regional Officer,  
RSPCB, Alwar.

**Subject: Submission of Environmental Statement Form-V [see rule-14]**

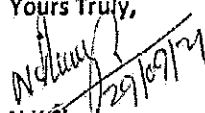
Respected Sir,

Please find the Environmental statement Form-V duly filled and signed for year 2020-21 and 2021-2022 up to aug'21 data.

Environmental statement Form-V is enclosed.

With best regards,

Yours Truly,

  
N K Singh

Authorized Signatory

Alchem International Pvt Ltd

SP2-5, RIICO Industrial area, Neemrana, Alwar.

Enclosures: As above

CC TO; Group Incharge [CD] Jaipur.

*Receipt*  
*30/9/2021*

**Regional Office**  
Rajasthan State Pollution Control Board  
D-Block, Ambedkar Nagar Alwar

Alchem International Private Limited (Formerly - Alchem International Limited)

**REGD./HEAD OFFICE:**

201, Empire Plaza, MG Road, Sultanpur, New Delhi - 110030, India

+91-11-2680 9882 (Hunting Number)

+91-11-2680 1700

C.I.N.Number: U74899DL1982PTCD13415

**SITE:**

SP 2-5 RIICO Industrial Area, Neemrana

Alwar-301705, Rajasthan, India

+91-1494-246 996 & 997

**ENVIRONMENTAL STATEMENT FORM-V**  
**(See rule 14)**

**Environmental Statement for the financial year ending with 31<sup>st</sup> March 2021**

**PART-A**

- i. **Name of the owner/  
Occupier of the industry  
Operation or process.** : P. Sengupta Director
- Address** : M/s Alchem International Pvt Ltd.  
SP2-5 RIICO Industrial area Neemrana,  
Alwar
- ii. **Industry category Primary-  
(STC Code) Secondary  
(STC Code)** : 0719490000000056
- iii. **Production category - Units.** : 200Kg/day (Herbal extract and their  
purified Product)
- iv. **Year of establishment** : 2009
- v. **Date of the last environmental  
Statement submitted: -** : 28.09.2020

**PART -B**

**Water and Raw Material Consumption:**

Water consumption in m<sup>3</sup>/d:

Process	: 20m <sup>3</sup> /day
Cooling	: 30m <sup>3</sup> /day
Domestic	: 06m <sup>3</sup> /day

For Alchem International Private Limited

  
Authorized Signatory

Name of Products	Process water consumption per unit of products out put	
	During the previous financial year (2020-21) (in KLD)	During the current financial year (2021-22) (in KLD)
Various Herbal products (Derivatives extract of Herbs)	0.114/kg(approx.)	0.090/kg(approx.)

### 1. Raw material consumption

S. No.	Name of raw material	Name of products	Consumption of raw material per unit(per kg of final product)	
			During the previous financial year (2020-21)	During the current financial year (2022-22)
	Medicinal -plant	1. Calcium Sennosides 2. Hyoscyamine /Hyoscine syurp 3. Silymarin /Milk Thistle dry extract 4. Valerian Hydro alcoholic dry extract 5. Turmeric Extract/Ferula extract/Tobacco extract	23.59 kg (approx.)	53.87 kg (approx.)

\* Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.

For Alchem International Private Limited

*Nadeem R*  
Authorised Signatory

**PART-C**  
**Pollution discharged to environment/unit of output**

(Parameter as specified in the consent issued)

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants discharged (mass/volume)	Percentage of variation from Prescribed standards with Reasons.
(a) Water	ETP Monitoring report is enclosed as <i>Annexure- I</i>		
(b) Air	Air Monitoring report is enclosed as <i>Annexure- II (Ambient air monitoring main gate/admin block &amp; process area) Annexure- III (stack monitoring of Boiler, DG sets.</i>		


**PART-D**

**HAZARDOUS WASTES**

(As specified under Hazardous Wastes (Management & Handling Rules, 1989).

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year(2020-21)	During the current financial year (2021-22)
1. From process	N.A	NA
2. From pollution control facilities (20.3)	993 kg	498 kg

For Alchem International Private Limited

  
 Authorized Signatory

**PART - E  
SOLID WASTES**

Solid Wastes	Total Quantity (Kg)	
	During the previous financial year (2020-21)	During the current financial year (2021-22)
a. From process	4470 kg	2385 kg
b. From Pollution Control Facility	149000 kg	79500kg
c. Quantity recycled or re-Utilized within the unit.	Not Applicable	Not Applicable

**PART - F**

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

Filtered distillation residue are hazardous solid waste incinerated by M/s Continental petroleum Ltd, Behror and solid waste of ETP are used as manure in lawns. Exhaust main raw material are burnt into the Boiler. The Ash of Boiler is used as land fill/sold to brick manufacturer.

**PART-G**

**Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.**

- **Keeping in view, industries responsibility towards nature, the zero liquid discharge is being implemented.**

For Alchem International Private Limited

*M. K. Singh*  
Authorized Signatory

- i. Alchem is Zero liquid discharge unit.
- Air pollution control equipments have been installed at emission sources and points.
    - i. Bag filters, multi-cyclone are installed as pollution control measures.
    - ii. Boiler Chimney Stack height is 30 m maintained as per prescribed norms.
    - iii. Stack height of DG sets are adequate & meeting pollution control norms.

**PART - H**

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

S. No.	Description of Item	Capital Cost (In Lacs)	Recurring Cost (In Lacs)
1	Environmental Monitoring and Management	491	75
2	Green Belt Development	2.0	6.0
3	Occupational Health	3.5	1.5

**PART -I**

**MISCELLANEOUS:**

**Any other particulars in respect of environmental protection and abatement of pollution.**

Proposal for Green tree plantation. Monitoring of ETP discharges are done as per RSPCB norms .

For Alchem International Private Limited

*(Signature)*  
Authorized Signatory



**TEAM TEST HOUSE**  
(Unit of Team Institute of Science & Technology Pvt. Ltd.)



*Annexure - I*

Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

RSPCB

ISO 9001:2015

OHSAS 18001:2007

JDA/UDH

Office : E-65, Chitranganj Marg,  
C-Scheme, Jaipur - 302001, Rajasthan  
Phone : +91 6377210064, 9414077379,  
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Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,  
Sitapura, Jaipur - 302022, Rajasthan  
Phone : +91 9460222039, 9460222049,  
Email : director@teamtesthouse.com,  
Email : marketinglab@teamtesthouse.com

**TEST REPORT**

Report No./ULR No. :	TC502521200000944	Date :	19-06-2021
Issued To :	M/S Alchem International Pvt. Ltd., SP-2 5 RIICO Industrial Area Neemrana, District- Alwar (Rajasthan),	Type of Unit :	Industry
Type of Sample :	Wastewater Sample	Date of Sample Collection/Monitoring :	09-06-2021
Point of Collection :	ETP Outlet	Date of Receipt :	14-06-2021
Date of Test/Analysis :	14-06-2021 to 19-06-2021	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	1 Ltr	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Mr. Shivraj Singh	Condition of Sample :	Fit for testing

**RESULTS**

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Total Suspended Solids [mg/l]	16	APHA.2017:2540-D	100
2	Biochemical Oxygen Demand (BOD) [mg/l]	12	APHA 2017:5210-B	30
3	Chemical Oxygen Demand (COD) [mg/l]	86.4	APHA:2017 : 5220-C	250
4	pH	7.50	APHA:2017 : 4500.H+B	5.5 - 9.0
5	Oil & Grease [mg/l]	3	APHA 2017 : 5520 B	10

**Notes :-**

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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

*Puran*  
**Puran Mal Yogi**  
Senior Analyst

**Rajesh Maheshwari**  
Authorized Signatory  
(Report No: TC502521200000944 )

For Alchem International Pvt. Ltd  
*Neha*  
Authorized Signatory



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(Unit of Team Institute of Science &amp; Technology Pvt. Ltd.)



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Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	TC502521400001494	Date :	19-06-2021
Issued To :	M/S Alchem International Pvt. Ltd. SP-2 5 RIICO Industrial Area Neemrana, District-Alwar (Rajasthan),	Type of Unit :	Industry
Type of Sample :	Ambient Air Quality Monitoring.	Date of Sample Collection/Monitoring :	08-06-2021
Point of Collection :	Near Main Gate	Date of Receipt :	14-06-2021
Date of Test/Analysis :	14-06-2021 to 19-06-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Mr. Shivraj Singh	Condition of Sample :	Fit for testing

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	240	IS 5182 (Part 10) : 1999 RA 2019	4000
2	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m3]	13.4	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m3]	26.25	CPCB Guidelines	60.00
4	Sulphur Dioxide [microgram/m3]	3.11	IS 5182 (Part 2) : 2001 RA 2017	80.00
5	Particulate Matter (PM <sub>10</sub> ) [microgram/m3]	67.57	IS 5182 (Part 23)-2006 RA 2017	100.00

## Notes :-

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*[Signature]*  
Senior Analyst

*[Signature]*  
Rajesh Maheshwan  
Authorized Signatory  
(Report No: TC502521400001494)

For Alchem International Pvt. Ltd.

*[Signature]*  
Authorized Signatory





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RSPCB ISO 9001:2015 OHSAS 18001:2007 JDA/UDII

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Email : director@teamtesthouse.com,  
Email : marketinglab@teamtesthouse.com

**TEST REPORT**

Report No./ULR No. :	TC502521400001493	Date :	19-06-2021
Issued To :	M/S Alchem International Pvt. Ltd. SP-2 5 RICO Industrial Area Neemrana, District- Alwar (Rajasthan),	Type of Unit :	Industry
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	08-06-2021
Point of Collection	Near Admin Office	Date of Receipt :	14-06-2021
Date of Test/Analysis :	14-06-2021 to 19-06-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Mr. Shivraj Singh	Condition of Sample :	Fit for testing

**RESULTS**

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	340	IS 5182 (Part 10) : 1999 RA 2019	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	13.3	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Particulate Matter (PM2.5) [microgram/m3]	30.68	CPCB Guidelines	60.00
4	Sulphur Dioxide [microgram/m3]	3.13	IS 5182 (Part 2) : 2001 RA 2017	80.00
	Particulate Matter (PM 10) [microgram/m3]	83.51	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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*Rajesh Maheshwari*  
Senior Analyst

*Rajesh Maheshwari*  
Authorized Signatory  
(Report No: TC502521400001493)

For Alchem International Pvt. Ltd.

*[Signature]*  
Authorized Signatory



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Email : director@teamtesthouse.com,  
Email : marketinglab@teamtesthouse.com

## TEST REPORT


Report No./ULR No. :	TC502521400001492	Date :	19-06-2021
Issued To :	M/S Alchem International Pvt. Ltd. SP-2 5 RIICO Industrial Area Neemrana, District- Alwar (Rajasthan),	Type of Unit :	Industry
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	08-06-2021
Point of Collection :	Near Processing Area	Date of Receipt :	14-06-2021
Date of Test/Analysis :	14-06-2021 to 19-06-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Mr. Shivraj Singh	Condition of Sample :	Fit for testing

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	260	IS 5182 (Part 10) : 1999 RA 2019	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	13.18	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Particulate Matter (PM2.5) [microgram/m3]	35.1	CPCB Guidelines	60.00
4	Sulphur Dioxide [microgram/m3]	2.09	IS 5182 (Part 2) : 2001 RA 2017	80.00
5	Particulate Matter (PM 10) [microgram/m3]	75.37	IS 5182 (Part 23)-2006 RA 2017	100.00

### Notes :-

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Senior Analyst **Yogi**

  
**Rajesh Maheshwar**  
Authorized Signatory  
(Report No: TC502521400001492)

For Alchem International Pvt. Ltd.

  
Authorized Signatory



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Email : director@teamtesthouse.com,  
Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No/ULR. : TC502521500000706  
Date : 19-06-2021  
Issued To : M/S Alchem International Pvt. Ltd.  
Sp-25, RIICO Industrial Area Neemrana,  
Alwar (Rajasthan)  
Type of Unit : Industry  
Type of Sample : Stack Emission Level  
Date of Sample Collection/Monitoring : 09-06-2021  
Date of Sample Receipt : 14-06-2021  
Date of Test : 14-06-2021 to 19-06-2021  
Sample Collected By : Parlad Yogi  
Point of Collection : D.G. Set 500 KVA- 2 [Cummins]

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Particulate matter [mg/Nm <sup>3</sup> ]	0.07	IS 11255 :1985 (Part 1)	0.3
2	Sulphur Dioxide [mg/Nm <sup>3</sup> ]	BDL(<0.02)	IS 11255 :1985 (Part 2)	-
3	Oxides of Nitrogen [mg/Nm <sup>3</sup> ]	0.42	IS 11255 :1985 (Part 7)	9.2
4	Carbon monoxide [mg/Nm <sup>3</sup> ]	0.24	IS 5182 (Part 10) : 1999	3.5
5	Hydrocarbon [mg/Nm <sup>3</sup> ]	0.04	IS 5182 (Part 10) : 1999	1.3

### Notes :-

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*Parlad Yogi*  
Parlad Yogi  
Senior Analyst

*Rajesh Maheshwari*  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: TC502521500000706)

For Alchem International Pvt. Ltd.

*Parlad Yogi*  
Authorized Signatory



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Email : director@teamtesthouse.com,  
Email : marketinglab@teamtesthouse.com

## TEST REPORT

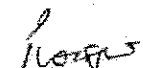
Report No/ULR : TC50252150000705  
Date : 19-06-2021  
Issued To : M/S Alchem International Pvt. Ltd.  
Sp-25, RIICO Industrial Area Neemrana,  
Alwar (Rajasthan)  
Type of Unit : Industry  
Type of Sample : Stack Emission Level  
Date of Sample Collection/Monitoring : 09-06-2021  
Date of Sample Receipt : 14-06-2021  
Date of Test : 14-06-2021 to 19-06-2021  
Sample Collected By : Parlad Yogi  
Point of Collection : D.G. Set 500 KVA- 1 [Cummins]

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Particulate matter [mg/Nm <sup>3</sup> ]	0.06	IS 11255 :1985 (Part 1)	0.3
2	Sulphur Dioxide [mg/Nm <sup>3</sup> ]	BDL(<0.02)	IS 11255 :1985 (Part 2)	-
3	Oxides of Nitrogen [mg/Nm <sup>3</sup> ]	0.39	IS 11255 :1985 (Part 7)	9.2
4	Carbon monoxide [mg/Nm <sup>3</sup> ]	0.23	IS 5182 (Part 10) : 1999	3.5
5	Hydrocarbon [mg/Nm <sup>3</sup> ]	0.04	IS 5182 (Part 10) : 1999	1.3


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Puran Mal Yogi  
Senior Analyst

  
Rajesh Maheshwan  
Authorized Signatory  
(Report No: TC50252150000705)

For Alchem International Pvt. Ltd.

  
Authorized Signatory