



# JR LABS

## ENVIRONMENT & OCCUPATIONAL HEALTH SERVICES

Rated as 'No.1' Laboratory for Counting of Asbestos Fibre by Institute of Occupational Medicine, Edinburgh U.K., World Health Organization Collaborating Centre for Occupational Health.

18.03.2024

### REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION

**Project** : M/s. RAMCO INDUSTRIES Ltd.,  
PLOT NO.A-1, BIADA INDUSTRIAL AREA OPP. MAHATHIN MAI TEMPLE  
AT & PO- BIHIYA, DT.- BHOJPUR, BIHAR, PIN- 802152

**Sampler used** : Samples collected by J R Labs      **Analyzed under** : Olympus make, Japan,  
using Spectro : SLE – PS – 154:III &      B X 40 Phase Contrast  
SKC : 224 – PCXR8 : I      Microscope

**Flow rate** : 1.0 L P M      **Specifications** : As per A I A - R T M 1  
**Sampling Duration** : 60 minutes each      & IS : 11450 - Membrane  
Filter Method

### PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)

AS PER MoEF & P C B = 0.1 fibre per cc of air.

Sl. No.	Date of Sampling	Location	Condition	Dust Concentration fibre /cc of air	Remarks
1	09.03.2024	<u>Static</u> Fibre Godown	Fibre bags were stored properly. Torn bags are sealed. Different Grades of Fibre bags are stored in the Fibre Godown.	< 0.1 (0.020)	---
2	08.03.2024	<u>Personal</u> B O D – E R Mill	The worker carrying the Sampler was engaged in feeding of fibre bags through the Roller Conveyor. Fibre bags are shifted through conveyor from Fibre Godown to B O D. E R Mill and Dust Collector in operation.	< 0.1 (0.056)	---

For J R LABS

Research Fibre Analyst





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## ENVIRONMENT & OCCUPATIONAL HEALTH SERVICES

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18.03.2024

### REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION

**Project** : M/s. RAMCO INDUSTRIES Ltd.,  
PLOT NO.A-1, BIADA INDUSTRIAL AREA OPP. MAHATHIN MAI TEMPLE  
AT & PO- BIHIYA, DT.- BHOJPUR, BIHAR, PIN- 802152

**Sampler used** : Samples collected by JR Labs  
using Casella : T13180 - I,  
Casella : T13180 - II &  
Spectro : SLE - PS - 154:I

**Analyzed under** : Olympus make, Japan,  
B X 40 Phase Contrast  
Microscope

**Flow rate** : 1.0 L P M

**Specifications** : As per A I A - R T M 1  
& IS : 11450 - Membrane  
Filter Method

**Sampling Duration** : 60 minutes each

### PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)

AS PER MoEF & P C B = 0.1 fibre per cc of air.

Sl. No.	Date of Sampling	Location	Condition	Dust Concentration fibre /cc of air	Remarks
3	09.03.2024	<u>Personal</u> B O D - E R Mill	The worker carrying the Sampler was engaged in feeding of fibre bags through the Roller Conveyor. Fibre bags are shifted through conveyor from Fibre Godown to B O D. E R Mill and Dust Collector in operation.	< 0.1 (0.044)	---
4	08.03.2024	<u>Personal</u> R M Operator	The worker carrying the Sampler was engaged in preparation of different Raw Material for Process.	< 0.1 (0.056)	---
5	09.03.2024	<u>Static</u> E R Mill - Hydro disintegrator	The Static sample is collected from near E R Mill - Hydro disintegrator during the production of F C C Sheets. E R Mill in Operation.	< 0.1 (0.084)	---

For JR LABS

Research Fibre Analyst





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## ENVIRONMENT & OCCUPATIONAL HEALTH SERVICES

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18.03.2024

### REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION

**Project** : M/s. RAMCO INDUSTRIES Ltd.,  
PLOT NO.A-1, BIADA INDUSTRIAL AREA OPP. MAHATHIN MAI TEMPLE  
AT & PO- BIHIYA, DT.- BHOJPUR, BIHAR, PIN- 802152

**Sampler used** : Samples collected by JR Labs  
using Envirotech : APM 800 - II,  
Envirotech : APM 800 - VIII &  
Envirotech : APM 800 - I

**Analyzed under** : Olympus make, Japan,  
B X 40 Phase Contrast  
Microscope

**Flow rate** : 1.0 L P M

**Specifications** : As per A I A - R T M 1  
& IS : 11450 - Membrane  
Filter Method

**Sampling Duration** : 60 minutes each

### PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)

AS PER MoEF & P C B = 0.1 fibre per cc of air.

Sl. No.	Date of Sampling	Location	Condition	Dust Concentration fibre /cc of air	Remarks
6	08.03.2024	<u>Personal</u> S F Drum - Cutter Off	The worker carrying the Sampler was cutting the Sheets at green stage on main Machine along with another worker.	< 0.1 (0.052)	---
7	09.03.2024	<u>Personal</u> Stripping	The worker carrying the Sampler was engaged in operation of Stripping Machine. The sample is collected during the production of F C C Sheets.	< 0.1 (0.048)	---
8	09.03.2024	<u>Personal</u> M G section - Moulding	The worker carrying the Sampler was making R1 & R2 types of moulded articles during the period of sampling. Semi wet process.	< 0.1 (0.032)	---

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18.03.2024

**REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION**

**Project** : M/s. RAMCO INDUSTRIES Ltd.,  
PLOT NO.A-1, BIADA INDUSTRIAL AREA OPP. MAHATHIN MAI TEMPLE  
AT & PO- BIHIYA, DT.- BHOJPUR, BIHAR, PIN- 802152

**Sampler used** : Samples collected by JR Labs  
using Envirotech:APM 800 – V,  
Casella : AFC 123 &  
S K C : 224-PCXR8 : II

**Analyzed under** : Olympus make, Japan,  
B X 40 Phase Contrast  
Microscope

**Flow rate** : 1.0 L P M

**Specifications** : As per A I A - R T M 1  
& IS : 11450 - Membrane  
Filter Method

**Sampling Duration** : 60 minutes each

**PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)**  
**AS PER MoEF & P C B = 0.1 fibre per cc of air.**

Sl. No.	Date of Sampling	Location	Condition	Dust Concentration fibre /cc of air	Remarks
9	09.03.2024	<u>Personal</u> Salvaging Section	The worker carrying the Sampler was reclaiming the Sheets. F C C rejected Sheets were getting reclaimed. Wet process.	< 0.1 (0.092)	---
10	09.03.2024	<u>Personal</u> Ball Mill	The worker carrying the Sampler was engaged in operation of Ball Mill. Wet process.	< 0.1 (0.080)	---
11	09.03.2024	<u>Personal</u> Pulverizer	The worker carrying the Sampler was feeding broken F C C Sheets through the chute of Pulverizer.	< 0.1 (0.088)	---

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18.03.2024

**REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION**

**Project** : M/s. RAMCO INDUSTRIES Ltd.,  
PLOT NO.A-1, BIADA INDUSTRIAL AREA OPP. MAHATHIN MAI TEMPLE  
AT & PO- BIHIYA, DT.- BHOJPUR, BIHAR, PIN- 802152

**Sampler used** : Samples collected by JR Labs  
using Envirotech : APM 800 - IV &  
S K C : AirLite

**Analyzed under** : Olympus make, Japan,  
B X 40 Phase Contrast  
Microscope

**Flow rate** : 1.0 L P M

**Specifications** : As per A I A - R T M 1  
& IS : 11450 - Membrane  
Filter Method

**Sampling Duration** : 60 minutes each

**PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)**  
**AS PER MoEF & P C B = 0.1 fibre per cc of air.**

Sl. No.	Date of Sampling	Location	Condition	Dust Concentration fibre /cc of air	Remarks
12	09.03.2024	<u>Personal</u> Fork Lift Operator	The Fork Lift Operator carrying the Sampler was engaged in different work activities like; shifting of Sheets from Destacking area to Stock Yard during the period of sampling.	< 0.1 (0.052)	---
13	09.03.2024	<u>Personal</u> Q C Lab Assistant	The Q C Lab Assistant carrying the Sampler was engaged in different Lab activities during the period of sampling.	< 0.1 (0.068)	---

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18.03.2024

### REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION

**Project** : M/s. RAMCO INDUSTRIES Ltd.,  
PLOT NO.A-1, BIADA INDUSTRIAL AREA OPP. MAHATHIN MAI TEMPLE  
AT & PO- BIHIYA, DT.- BHOJPUR, BIHAR, PIN- 802152

**Sampler used** : Samples collected by JR Labs  
using Spectro : SLE-PS-154:II

**Analyzed under** : Olympus make, Japan,  
B X 40 Phase Contrast  
Microscope

**Flow rate** : 1.0 L P M

**Specifications** : As per A I A - R T M 1  
& IS : 11450 - Membrane  
Filter Method

**Sampling Duration** : 60 minutes

### PERMISSIBLE EXPOSURE LIMIT VALUE (PELV) AS PER MoEF & P C B = 0.1 fibre per cc of air.

Sl. No.	Date of Sampling	Location	Condition	Dust Concentration fibre /cc of air	Remarks
14	08.03.2024	<u>Static</u> Work Zone Area of the Plant	The Static sample is collected during the production of F C C Sheets.	< 0.1 (0.064)	---

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18.03.2024

**REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION**

**Project** : M/s. RAMCO INDUSTRIES Ltd.,  
PLOT NO.A-1, BIADA INDUSTRIAL AREA OPP. MAHATHIN MAI TEMPLE  
AT & PO- BIHIYA, DT.- BHOJPUR, BIHAR, PIN- 802152

**Sampler used** : Samples collected by J R Labs  
using SKC: Sidekick 51 Ex &  
Envirotech:APM 800 – VII &  
Envirotech:APM 800 – III

**Analyzed under** : Olympus make, Japan,  
B X 40 Phase Contrast  
Microscope

**Flow rate** : 1.0 L P M

**Specifications** : As per A I A - R T M 1  
& IS : 11450 - Membrane  
Filter Method

**Sampling Duration** : 60 minutes each

**PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)**  
**AS PER MoEF & P C B = 0.1 fibre per cc of air.**

Sl. No.	Date of Sampling	Location	Condition	Dust Concentration fibre /cc of air	Remarks
15	09.03.2024	<u>Static</u> <b>Ambient Air:</b> Stock Yard- Sheet Loading Area	The Static sample is collected from Stock Yard - Sheet Loading Area during loading of different sizes of F C C Sheets into the Truck.	< 0.1 (0.040)	---
16	09.03.2024	<u>Static</u> <b>Ambient Air:</b> Near Main Gate	The Static sample is collected from near the Main Gate. Plant was in operation.	< 0.1 (0.032)	---
17	09.03.2024	<u>Static</u> <b>Ambient Air:</b> Near Canteen	The Static sample is collected from near the Canteen. Plant was in operation.	< 0.1 (0.092)	---

For J R LABS

**Research Fibre Analyst**





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T C : March 2024 - Stack - E R M - A F C :

18.03.2024

### REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION

#### FIBRE D E STACK

**Project** : M/s. RAMCO INDUSTRIES Ltd.,  
PLOT NO.A-1, BIADA INDUSTRIAL AREA OPP. MAHATHIN MAI TEMPLE  
AT & PO- BIHIYA, DT.- BHOJPUR, BIHAR, PIN- 802152

**Sampler used** : Envirotech VSS1 **Analyzed under** : Olympus make, Japan,  
B X 40 Phase Contrast  
Microscope

**Flow rate** : 10 L P M **Specifications** : As per A I A - R T M 1  
IS:11450 & ISO:10397

**Sampling Duration** : 10 minutes **Membrane Filter Method**

#### PERMISSIBLE EXPOSURE LIMIT VALUE (PELV) AS PER MoEF & P C B = 0.2 fibre per cc of air.

Date of sampling	Location	Condition	Dust concentration fibre /cc of air	Remarks
09.03.2024	Fibre D E Stack connected to B O D & Edge Runner Mill	---	0.161	---

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## ENVIRONMENT & OCCUPATIONAL HEALTH SERVICES

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T C : March 2024 - Stack - Pulverizer - A F C :

18.03.2024

### REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION

#### FIBRE D E STACK

**Project** : M/s. RAMCO INDUSTRIES Ltd.,  
PLOT NO.A-1, BIADA INDUSTRIAL AREA OPP. MAHATHIN MAI TEMPLE  
AT & PO- BIHIYA, DT.- BHOJPUR, BIHAR, PIN- 802152

**Sampler used** : Envirotech VSS1      **Analyzed under** : Olympus make, Japan,  
B X 40 Phase Contrast  
Microscope

**Flow rate** : 10 L P M      **Specifications** : As per A I A - R T M 1  
IS:11450 & ISO:10397

**Sampling Duration** : 10 minutes      Membrane Filter Method

#### PERMISSIBLE EXPOSURE LIMIT VALUE (PELV) AS PER MoEF & P C B = 0.2 fibre per cc of air.

Date of sampling	Location	Condition	Dust concentration fibre /cc of air	Remarks
09.03.2024	Fibre D E Stack connected to Pulverizer	---	0.129	---

For J R LABS

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**ENVIRONMENT & OCCUPATIONAL HEALTH SERVICES**

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30.12.2023

## **REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION**

**Project** : M/s. RAMCO INDUSTRIES Ltd.,  
PLOT NO.A-1, BIADA INDUSTRIAL AREA OPP. MAHATHIN MAI TEMPLE  
AT & PO- BIHIYA, DT.- BHOJPUR, BIHAR, PIN- 802152

**Sampler used** : Samples collected by JR Labs  
using Casella : T13180 - I,  
S K C : Side Kick 51 Ex &  
Spectro : SLE-PS-154:I

**Analyzed under** : Olympus make, Japan,  
B X 40 Phase Contrast  
Microscope

**Flow rate** : 1.0 L P M

**Specifications** : As per A I A - R T M 1  
& IS : 11450 - Membrane  
Filter Method

**Sampling Duration** : 60 minutes each

### **PERMISSIBLE EXPOSURE LIMIT VALUE (PELV) AS PER MoEF & P C B = 0.1 fibre per cc of air.**

Sl. No.	Date of Sampling	Location	Condition	Dust Concentration fibre /cc of air	Remarks
1	13.12.2023	<u>Static</u> Fibre Godown	Fibre bags were stored properly. Torn bags are sealed. Different Grades of Fibre bags are stored in the Fibre Godown.	< 0.1 (0.076)	---
2	13.12.2023	<u>Personal</u> B O D - E R Mill	The worker carrying the Sampler was engaged in feeding of fibre bags through the Roller Conveyor. Fibre bags are shifted through conveyor from Fibre Godown to B O D. E R Mill and Dust Collector in operation.	< 0.1 (0.084)	---
3	13.12.2023	<u>Static</u> E R Mill - Hydro disintegrator	The Static sample is collected from near E R Mill - Hydro disintegrator during the production of F C C Sheets. E R Mill in Operation.	< 0.1 (0.096)	---

For JR LABS

Research Fibre Analyst







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## ENVIRONMENT & OCCUPATIONAL HEALTH SERVICES

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30.12.2023

### REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION

**Project** : M/s. RAMCO INDUSTRIES Ltd.,  
PLOT NO.A-1, BIADA INDUSTRIAL AREA OPP. MAHATHIN MAI TEMPLE  
AT & PO- BIHIYA, DT.- BHOJPUR, BIHAR, PIN- 802152

**Sampler used** : Samples collected by JR Labs  
using S K C : 224-PCXR8:I,  
Envirotech : APM 800 – III &  
S K C : 224-PCXR8:II

**Analyzed under** : Olympus make, Japan,  
B X 40 Phase Contrast  
Microscope

**Flow rate** : 1.0 L P M

**Specifications** : As per A I A - R T M 1  
& IS : 11450 - Membrane  
Filter Method

**Sampling Duration** : 60 minutes each

### PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)

AS PER MoEF & P C B = 0.1 fibre per cc of air.

Sl. No.	Date of Sampling	Location	Condition	Dust Concentration fibre /cc of air	Remarks
4	13.12.2023	<u>Personal</u> S F Drum - Cutter Off	The worker carrying the Sampler was cutting the Sheets at green stage on main Machine along with another worker.	< 0.1 (0.072)	---
5	13.12.2023	<u>Personal</u> Stripping	The worker carrying the Sampler was engaged in operation of Stripping Machine. The sample is collected during the production of F C C Sheets.	< 0.1 (0.092)	---
6	13.12.2023	<u>Personal</u> M G section - Moulding	The worker carrying the Sampler was making R1 & R2 types of moulded articles during the period of sampling. Semi wet process.	< 0.1 (0.060)	---

For JR LABS

Research Fibre Analyst





30.12.2023

**REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION**

**Project** : M/s. RAMCO INDUSTRIES Ltd.,  
PLOT NO.A-1, BIADA INDUSTRIAL AREA OPP. MAHATHIN MAI TEMPLE  
AT & PO- BIHIYA, DT.- BHOJPUR, BIHAR, PIN- 802152

**Sampler used** : Samples collected by J R Labs  
using Casella : T13180 – II,  
Envirotech : APM 800 – IV &  
S K C : AirLite

**Analyzed under** : Olympus make, Japan,  
B X 40 Phase Contrast  
Microscope

**Flow rate** : 1.0 L P M

**Specifications** : As per A I A - R T M 1  
& IS : 11450 - Membrane  
Filter Method

**Sampling Duration** : 60 minutes each

**PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)**  
**AS PER MoEF & P C B = 0.1 fibre per cc of air.**

Sl. No.	Date of Sampling	Location	Condition	Dust Concentration fibre /cc of air	Remarks
7	13.12.2023	<u>Personal</u> Salvaging Section	The worker carrying the Sampler was reclaiming the Sheets. F C C rejected Sheets were getting reclaimed. Wet process.	< 0.1 (0.084)	---
8	13.12.2023	<u>Personal</u> Ball Mill	The worker carrying the Sampler was engaged in operation of Ball Mill. Wet process.	< 0.1 (0.068)	---
9	13.12.2023	<u>Personal</u> Pulverizer	The worker carrying the Sampler was feeding broken F C C Sheets through the Chute of Pulverizer.	< 0.1 (0.092)	---

For J R LABS

Research Fibre Analyst





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**ENVIRONMENT & OCCUPATIONAL HEALTH SERVICES**

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30.12.2023

**REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION**

**Project** : M/s. RAMCO INDUSTRIES Ltd.,  
PLOT NO.A-1, BIADA INDUSTRIAL AREA OPP. MAHATHIN MAI TEMPLE  
AT & PO- BIHIYA, DT.- BHOJPUR, BIHAR, PIN- 802152

**Sampler used** : Samples collected by JR Labs  
using Envirotech : APM 800 – I & Envirotech : APM 800 – V

**Analyzed under** : Olympus make, Japan,  
B X 40 Phase Contrast  
Microscope

**Flow rate** : 1.0 L P M

**Specifications** : As per A I A - R T M 1  
& IS : 11450 - Membrane  
Filter Method

**Sampling Duration** : 60 minutes each

**PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)  
AS PER MoEF & P C B = 0.1 fibre per cc of air.**

Sl. No.	Date of Sampling	Location	Condition	Dust Concentration fibre /cc of air	Remarks
10	13.12.2023	<u>Personal</u> Fork Lift Operator	The Fork Lift Operator carrying the Sampler was engaged in different work activities like; shifting of Sheets from Destacking area to Stock Yard during the period of sampling.	< 0.1 (0.040)	---
11	13.12.2023	<u>Personal</u> Q C Lab Assistant	The Q C Lab Assistant carrying the Sampler was engaged in different Lab activities during the period of sampling.	< 0.1 (0.056)	---

For JR LABS

Research Fibre Analyst



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**ENVIRONMENT & OCCUPATIONAL HEALTH SERVICES**

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Edinburgh U.K., World Health Organization Collaborating Centre for Occupational Health.

30.12.2023

## **REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION**

**Project** : M/s. RAMCO INDUSTRIES Ltd.,  
PLOT NO.A-1, BIADA INDUSTRIAL AREA OPP. MAHATHIN MAI TEMPLE  
AT & PO- BIHIYA, DT.- BHOJPUR, BIHAR, PIN- 802152

**Sampler used** : Samples collected by J R Labs  
using Spectro : SLE-PS-154:III

**Analyzed under** : Olympus make, Japan,  
B X 40 Phase Contrast  
Microscope

**Flow rate** : 1.0 L P M

**Specifications** : As per A I A - R T M 1  
& IS : 11450 - Membran  
Filter Method

**Sampling Duration** : 60 minutes

**PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)**  
**AS PER MoEF & P C B = 0.1 fibre per cc of air.**

Sl. No.	Date of Sampling	Location	Condition	Dust Concentration fibre /cc of air	Remarks
12	13.12.2023	<u>Static</u> Work Zone Area of the Plant	The Static sample is collected during the production of F C C Sheets.	< 0.1 (0.088)	---

For J R LABS

**Research Fibre Analyst**





30.12.2023

**REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION**

**Project** : M/s. RAMCO INDUSTRIES Ltd.,  
PLOT NO.A-1, BIADA INDUSTRIAL AREA OPP. MAHATHIN MAI TEMPLE  
AT & PO- BIHIYA, DT.- BHOJPUR, BIHAR, PIN- 802152

**Sampler used** : Samples collected by J R Labs  
using Casella : AFC 123,  
Envirotech : APM 800 – II &  
Envirotech : APM 800 – VI

**Analyzed under** : Olympus make, Japan,  
B X 40 Phase Contrast  
Microscope

**Flow rate** : 1.0 L P M  
**Sampling Duration** : 60 minutes each

**Specifications** : As per A I A - R T M 1  
& IS : 11450 - Membrane  
Filter Method

**PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)**  
**AS PER MoEF & P C B = 0.1 fibre per cc of air.**

Sl. No.	Date of Sampling	Location	Condition	Dust Concentration fibre /cc of air	Remarks
13	13.12.2023	<u>Static</u> <b>Ambient Air:</b> Stock Yard- Sheet Loading Area	The Static sample is collected from Stock Yard - Sheet Loading Area during loading of different sizes of F C C Sheets into the Truck.	< 0.1 (0.072)	---
14	13.12.2023	<u>Static</u> <b>Ambient Air:</b> Near Main Gate	The Static sample is collected from near the Main Gate. Plant was in operation.	< 0.1 (0.060)	---
15	13.12.2023	<u>Static</u> <b>Ambient Air:</b> Near Canteen	The Static sample is collected from near the Canteen. Plant was in operation.	< 0.1 (0.064)	---

For J R LABS

**Research Fibre Analyst**



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**ENVIRONMENT & OCCUPATIONAL HEALTH SERVICES**

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**T C : December 2023 - Stack - E R M - A F C :****30.12.2023****REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION****FIBRE D E STACK**

**Project** : M/s. RAMCO INDUSTRIES Ltd.,  
PLOT NO.A-1, BIADA INDUSTRIAL AREA OPP. MAHATHIN MAI TEMPLE  
AT & PO- BIHIYA, DT.- BHOJPUR, BIHAR, PIN- 802152

**Sampler used** : Envirotech VSS1      **Analyzed under** : Olympus make, Japan,  
B X 40 Phase Contrast  
Microscope

**Flow rate** : 10 L P M      **Specifications** : As per A I A - R T M 1  
IS:11450 & ISO:10397

**Sampling Duration** : 10 minutes      Membrane Filter Method

**PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)**  
**AS PER MoEF & P C B = 0.2 fibre per cc of air.**

Date of sampling	Location	Condition	Dust concentration fibre /cc of air	Remarks
13.12.2023	Fibre D E Stack connected to B O D & Edge Runner Mill	---	0.137	---

For J R LABS

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**ENVIRONMENT & OCCUPATIONAL HEALTH SERVICES**

Rated as 'No.1' Laboratory for Counting of Asbestos Fibre by Institute of Occupational Medicine,  
Edinburgh U.K., World Health Organization Collaborating Centre for Occupational Health.

**T C : December 2023 - Stack - Pulverizer - A F C :****30.12.2023****REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION****FIBRE D E STACK**

**Project** : M/s. RAMCO INDUSTRIES Ltd.,  
PLOT NO.A-1, BIADA INDUSTRIAL AREA OPP. MAHATHIN MAI TEMPLE  
AT & PO- BIHIYA, DT.- BHOJPUR, BIHAR, PIN- 802152

**Sampler used** : Envirotech VSS1      **Analyzed under** : Olympus make, Japan,  
B X 40 Phase Contrast  
Microscope

**Flow rate** : 10 L P M      **Specifications** : As per A I A - R T M 1  
IS:11450 & ISO:10397

**Sampling Duration** : 10 minutes      Membrane Filter Method

**PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)**  
**AS PER MoEF & P C B = 0.2 fibre per cc of air.**

Date of sampling	Location	Condition	Dust concentration fibre /cc of air	Remarks
13.12.2023	Fibre D E Stack connected to Pulverizer	---	0.103	---

For J R LABS

**Research Fibre Analyst**