



## TEST REPORT

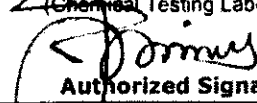
Accredited by NABL (Chemical & Biological)

|                          |                                                                                                                         |                       |                     |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-AAQ-2024/04/004                                                                                                     | Report Date :         | 05.04.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No 12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                     |
| Customer Reference :     | IWO Date: 02/04/2024                                                                                                    | Sample Reference No.: | ECI-AAQ-2024/04/004 |
| Sample Drawn By :        | ECI                                                                                                                     | Sample Received On :  | 03.04.2024          |
| Sample Collected Date :  | 02.04.2024                                                                                                              | Test Commenced On :   | 03.04.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                            | Test Completed On :   | 05.04.2024          |
| Sample Description :     | Ambient Air                                                                                                             | Sampling Method :     | IS 5182 Part 14     |
| Sample Mark:             | Near Main Gate                                                                                                          |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD       | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-------------------|----------------------------|
| 1    | Ammonia (as NH <sub>3</sub> )                     | µg/m <sup>3</sup> | < 1.0   | NIOSH Method.6015 | 400                        |
| 2    | Arsenic (as As)                                   | ng/m <sup>3</sup> | < 0.1   | IS 5182 Part 22   | 6.0                        |
| 3    | Benzene (C <sub>6</sub> H <sub>6</sub> )          | µg/m <sup>3</sup> | < 1.0   | IS 5182 Part 11   | 5.0                        |
| 4    | Benzo-a-Pyrene (BaP)                              | ng/m <sup>3</sup> | < 1.0   | IS 5182 Part 12   | 1.0                        |
| 5    | Carbon Monoxide (as CO)                           | mg/m <sup>3</sup> | < 1.2   | IS 5182 Part 10   | 2.0                        |
| 6    | Lead (as Pb)                                      | µg/m <sup>3</sup> | < 0.1   | IS 5182 Part 22   | 1.0                        |
| 7    | Nickel (as Ni)                                    | ng/m <sup>3</sup> | < 0.1   | IS 5182 Part 22   | 20                         |
| 8    | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 15.9    | IS 5182 Part 06   | 80                         |
| 9    | Ozone (as O <sub>3</sub> )                        | µg/m <sup>3</sup> | < 9.8   | IS 5182 Part 09   | 180                        |
| 10   | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 24.1    | IS 5182 Part.24   | 60                         |
| 11   | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 60.4    | IS 5182 Part 23   | 100                        |
| 12   | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 7.9     | IS 5182 Part 02   | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested

<--- End of Report --->

|                                                                                                   |                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By :  | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><br>Authorized Signatory |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



#43, 2nd Street, Harvey Nagar, Arasaradi, Madurai - 625016 Tel: 0452 4355103  
Email: lab@envirocareindia.com | Web: www.envirocareindia.com

Note: 1. The report is valid only for the parameters tested.

2. Any change in the test method shall be intimated to the client.

3. Report shall not be produced without the signature of the authorized signatory and the stamp of the laboratory.

4. Unless otherwise specified, the test results are valid for a period of 15 days from the date of the test report.

5. Total liability of our laboratory is limited to the value of the sample.

6. Any dispute or complaint of the report shall be resolved by Mutual Conciliation Only.





## TEST REPORT

Accredited by NABL (Chemical & Biological)

| Report No.:                                                                                                                    | ECI-AAQ-2024/04/002                                                                                                     | Report Date:                                                                                                         | 05.04.2024          |                   |                            |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|----------------------------|
| Customer Name & Address                                                                                                        | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sippot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                                                                                                                      |                     |                   |                            |
| Customer Reference :                                                                                                           | IWO Date: 02/04/2024                                                                                                    | Sample Reference No.:                                                                                                | ECI-AAQ-2024/04/002 |                   |                            |
| Sample Drawn By :                                                                                                              | ECI                                                                                                                     | Sample Received On :                                                                                                 | 03.04.2024          |                   |                            |
| Sample Collected Date :                                                                                                        | 02.04.2024                                                                                                              | Test Commenced On :                                                                                                  | 03.04.2024          |                   |                            |
| Qty of Sample Received :                                                                                                       | Filter Paper & 25ml Solution                                                                                            | Test Completed On :                                                                                                  | 05.04.2024          |                   |                            |
| Sample Description :                                                                                                           | Ambient Air                                                                                                             | Sampling Method :                                                                                                    | IS 5182 Part 14     |                   |                            |
| Sample Mark:                                                                                                                   | Near Stack Yard                                                                                                         |                                                                                                                      |                     |                   |                            |
| S.No                                                                                                                           | PARAMETERS                                                                                                              | UNITS                                                                                                                | RESULTS             | TEST METHOD       | Permissible limits of CPCB |
| 1                                                                                                                              | Ammonia (as NH <sub>3</sub> )                                                                                           | µg/m <sup>3</sup>                                                                                                    | < 1.0               | NIOSH Method:6015 | 400                        |
| 2                                                                                                                              | Arsenic (as As)                                                                                                         | ng/m <sup>3</sup>                                                                                                    | < 0.1               | IS 5182:Part 22   | 6.0                        |
| 3                                                                                                                              | Benzene (C <sub>6</sub> H <sub>6</sub> )                                                                                | µg/m <sup>3</sup>                                                                                                    | < 1.0               | IS 5182:Part 11   | 5.0                        |
| 4                                                                                                                              | Benzo-a-Pyrene (BaP)                                                                                                    | ng/m <sup>3</sup>                                                                                                    | < 1.0               | IS 5182:Part 12   | 1.0                        |
| 5                                                                                                                              | Carbon Monoxide (as CO)                                                                                                 | mg/m <sup>3</sup>                                                                                                    | < 1.2               | IS 5182:Part 10   | 2.0                        |
| 6                                                                                                                              | Lead (as Pb)                                                                                                            | µg/m <sup>3</sup>                                                                                                    | < 0.1               | IS 5182:Part 22   | 1.0                        |
| 7                                                                                                                              | Nickel (as Ni)                                                                                                          | ng/m <sup>3</sup>                                                                                                    | < 0.1               | IS 5182:Part 22   | 20                         |
| 8                                                                                                                              | Nitrogen dioxide (as NO <sub>2</sub> )                                                                                  | µg/m <sup>3</sup>                                                                                                    | 25.3                | IS 5182:Part 06   | 80                         |
| 9                                                                                                                              | Ozone (as O <sub>3</sub> )                                                                                              | µg/m <sup>3</sup>                                                                                                    | < 9.8               | IS 5182:Part 09   | 180                        |
| 10                                                                                                                             | Particulate Matter (PM <sub>2.5</sub> )                                                                                 | µg/m <sup>3</sup>                                                                                                    | 33.2                | IS 5182:Part:24   | 60                         |
| 11                                                                                                                             | Respirable Particulate Matter (PM <sub>10</sub> )                                                                       | µg/m <sup>3</sup>                                                                                                    | 68.4                | IS 5182:Part 23   | 100                        |
| 12                                                                                                                             | Sulphur Dioxide (as SO <sub>2</sub> )                                                                                   | µg/m <sup>3</sup>                                                                                                    | 9.4                 | IS 5182:Part 02   | 80                         |
| <b>Opinion:</b> In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested |                                                                                                                         |                                                                                                                      |                     |                   |                            |
| <--- End of Report --->                                                                                                        |                                                                                                                         |                                                                                                                      |                     |                   |                            |
| Verified By : <i>S.d.</i>                                                                                                      |                                                                                                                         | For ENVIRO CARE INDIA PRIVATE LIMITED<br>(Chemical Testing Laboratory)<br><i>[Signature]</i><br>Authorized Signatory |                     |                   |                            |



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**Note:** 1. The report is valid for 12 months.

2. A valid report is valid only for the purpose for which it is issued.

3. The report shall not be reproduced or used for any other purpose without the permission of the laboratory.

4. Unless informed by customer, the test results shall be retained for a period of 12 months from the date of test report.

5. Total liability of the laboratory is limited to the amount paid.

6. Any dispute shall be referred to the court of law at Madurai for final decision.





## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                         |                       |                     |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-AAQ-2024/04/001                                                                                                     | Report Date :         | 05.04.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                     |
| Customer Reference :     | IWO Date: 02/04/2024                                                                                                    | Sample Reference No : | ECI-AAQ-2024/04/001 |
| Sample Drawn By :        | ECI                                                                                                                     | Sample Received On :  | 03.04.2024          |
| Sample Collected Date :  | 02.04.2024                                                                                                              | Test Commenced On :   | 03.04.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                            | Test Completed On :   | 05.04.2024          |
| Sample Description :     | Ambient Air                                                                                                             | Sampling Method :     | IS 5182:Part 14     |
| Sample Mark:             | Near Guest House                                                                                                        |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD       | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-------------------|----------------------------|
| 1.   | Ammonia (as NH <sub>3</sub> )                     | µg/m <sup>3</sup> | < 1.0   | NIOSH Method:6015 | 400                        |
| 2.   | Arsenic (as As)                                   | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 6.0                        |
| 3.   | Benzene (C <sub>6</sub> H <sub>6</sub> )          | µg/m <sup>3</sup> | < 1.0   | IS 5182:Part 11   | 5.0                        |
| 4.   | Benzo-a-Pyrene (BaP)                              | ng/m <sup>3</sup> | < 1.0   | IS 5182:Part 12   | 1.0                        |
| 5.   | Carbon Monoxide (as CO)                           | mg/m <sup>3</sup> | < 1.2   | IS 5182:Part 10   | 2.0                        |
| 6.   | Lead (as Pb)                                      | µg/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 1.0                        |
| 7.   | Nickel (as Ni)                                    | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 20                         |
| 8.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 29.9    | IS 5182:Part 06   | 80                         |
| 9.   | Ozone (as O <sub>3</sub> )                        | µg/m <sup>3</sup> | < 9.8   | IS 5182:Part 09   | 180                        |
| 10.  | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 25.6    | IS 5182 Part:24   | 60                         |
| 11.  | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 50.8    | IS 5182:Part 23   | 100                        |
| 12.  | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 12.0    | IS 5182:Part 02   | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

Verified By : *S. d.*

For **ENVIRO CARE INDIA PRIVATE LIMITED**  
(Chemical Testing Laboratory)

*[Signature]*  
Authorized Signatory



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- Note:**
1. The results relate only to this item tested.
  2. Any Correction not attested shall invalidate this report.
  3. Report shall not be reproduced anywhere except in full and in the same format without the permission of the laboratory.
  4. Unless informed by customer, the test items will not be retained for more the 15 days from date of issue of test report.
  5. Total liability of our laboratory is limited to the invoice amount.
  6. Any dispute arising out of this report is subjected to Madurai Jurisdiction Only.





## TEST REPORT

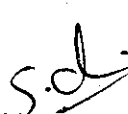
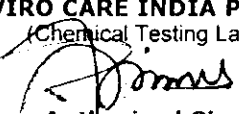
Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                          |                       |                     |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-AAQ-2024/04/003                                                                                                      | Report Date :         | 05.04.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No: 12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                     |
| Customer Reference :     | IWO Date: 02/04/2024                                                                                                     | Sample Reference No : | ECI-AAQ-2024/04/003 |
| Sample Drawn By :        | ECI                                                                                                                      | Sample Received On :  | 03.04.2024          |
| Sample Collected Date :  | 02.04.2024                                                                                                               | Test Commenced On :   | 03.04.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                             | Test Completed On :   | 05.04.2024          |
| Sample Description :     | Ambient Air                                                                                                              | Sampling Method :     | IS 5182:Part 14     |
| Sample Mark:             | Near Asbestos Godown                                                                                                     |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD       | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-------------------|----------------------------|
| 1.   | Ammonia (as NH <sub>3</sub> )                     | µg/m <sup>3</sup> | < 1.0   | NIOSH Method:6015 | 400                        |
| 2.   | Arsenic (as As)                                   | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 6.0                        |
| 3.   | Benzene (C <sub>6</sub> H <sub>6</sub> )          | µg/m <sup>3</sup> | < 1.0   | IS 5182:Part 11   | 5.0                        |
| 4.   | Benzo-a-Pyrene (BaP)                              | ng/m <sup>3</sup> | < 1.0   | IS 5182:Part 12   | 1.0                        |
| 5.   | Carbon Monoxide (as CO)                           | mg/m <sup>3</sup> | < 1.2   | IS 5182:Part 10   | 2.0                        |
| 6.   | Lead (as Pb)                                      | µg/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 1.0                        |
| 7.   | Nickel (as Ni)                                    | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 20                         |
| 8.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 26.2    | IS 5182:Part 06   | 80                         |
| 9.   | Ozone (as O <sub>3</sub> )                        | µg/m <sup>3</sup> | < 9.8   | IS 5182:Part 09   | 180                        |
| 10.  | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 30.4    | IS 5182 Part:24   | 60                         |
| 11.  | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 60.2    | IS 5182:Part 23   | 100                        |
| 12.  | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 8.8     | IS 5182:Part 02   | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

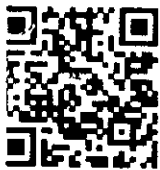
|                                                                                                   |                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By :  | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><br>Authorized Signatory |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



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2. Any Correction not attested shall invalidate this report.  
3. Report shall not be reproduced anywhere except in full and in the same format without the permission of the laboratory.  
4. Unless informed by customer, the test items will not be retained for more the 15 days from date of issue of test report.  
5. Total liability of our laboratory is limited to the invoice amount.  
6. Any dispute arising out of this report is subjected to Madurai Jurisdiction Only.





## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                          |                       |                    |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/04/002                                                                                                       | Report Date :         | 05.04.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No: 12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                    |
| Customer Reference :     | IWO Date: 02/04/2024                                                                                                     | Sample Reference No : | ECI-SM-2024/04/002 |
| Sample Drawn By :        | ECI                                                                                                                      | Sample Received On :  | 03.04.2024         |
| Sample Collected Date :  | 02.04.2024                                                                                                               | Test Commenced On :   | 03.04.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                     | Test Completed On :   | 05.04.2024         |
| Sample Description :     | Stack                                                                                                                    | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | Fibre Mill Dust Collector – (Chimney)                                                                                    |                       |                    |

### Stack Details:

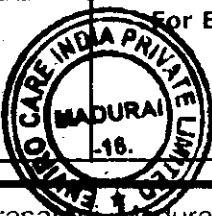
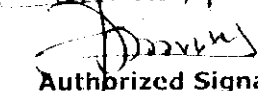
| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.35  |
| 3.    | Stack Height from G Level     | m    | 26.0  |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 113     | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | < 0.2   | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 2804    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 10.2    | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 1.5     | IS 11255:Part 01 | 2.0                                                         |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards

NA - Not Applicable.

< --- End of Report --- >

|             |                                                                                     |                                                                                     |                                                                                                                                                                                |
|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By |  |  | For ENVIRO CARE INDIA PRIVATE LIMITED<br>(Laboratory Division)<br><br>Authorized Signatory |
|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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2. Any Correction not attested shall invalidate this report.  
3. Report shall not be reproduced anywhere except in full and in the same format without the permission of the laboratory.  
4. Unless informed by customer, the test items will not be retained for more than 15 days from date of issue of test report.  
5. Total fee of our laboratory is mentioned in the invoice amount.  
6. All test results are subject to the laboratory's internal quality control system.





## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                         |                       |                    |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/04/001                                                                                                      | Report Date :         | 05.04.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                    |
| Customer Reference :     | IWO Date: 02/04/2024                                                                                                    | Sample Reference No : | ECI-SM-2024/04/001 |
| Sample Drawn By :        | ECI                                                                                                                     | Sample Received On :  | 03.04.2024         |
| Sample Collected Date :  | 02.04.2024                                                                                                              | Test Commenced On :   | 03.04.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                    | Test Completed On :   | 05.04.2024         |
| Sample Description :     | Stack                                                                                                                   | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | Cement Fly Storage (Chimney)                                                                                            |                       |                    |

### Stack Details:

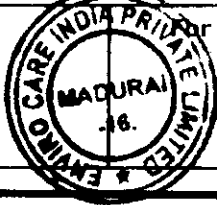
| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.35  |
| 3.    | Stack Height from G Level     | m    | 23.5  |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 54      | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | < 0.2   | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 2753    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 8.5     | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 37.2    | IS 11255:Part 01 | 50                                                          |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards

NA - Not Applicable.

<--- End of Report --->

|                          |                                                                                     |                                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Verified By <i>S.ch.</i> |  | <b>ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Laboratory Division)<br><i>[Signature]</i><br>Authorized Signatory |
|--------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|

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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                         |                       |                    |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/04/004                                                                                                      | Report Date :         | 05.04.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                    |
| Customer Reference :     | IWO Date: 02/04/2024                                                                                                    | Sample Reference No : | ECI-SM-2024/04/004 |
| Sample Drawn By :        | ECI                                                                                                                     | Sample Received On :  | 03.04.2024         |
| Sample Collected Date :  | 02.04.2024                                                                                                              | Test Commenced On :   | 03.04.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                    | Test Completed On :   | 05.04.2024         |
| Sample Description :     | Stack                                                                                                                   | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | DG 750 KVA - (Chimney)                                                                                                  |                       |                    |

### Stack Details:

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.30  |
| 3.    | Stack Height from G Level     | m    | 15.0  |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 173     | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | 0.4     | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | 0.2     | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 1717    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 9.9     | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | 32.6    | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 40.8    | IS 11255:Part 01 | 50                                                          |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | 13.2    | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA -- Not Applicable.

<--- End of Report --->

|             |                                                                                                          |
|-------------|----------------------------------------------------------------------------------------------------------|
| Verified By | <br><b>ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Laboratory Division)<br><br><b>Authorized Signatory</b> |
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Accredited by **NABL** ( Chemical & Biological )

|                          |                                                                                                                                |                       |                    |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/04/006                                                                                                             | Report Date :         | 05.04.2024         |
| Customer Name & Address  | <b>M/s. Ramco Industries Ltd</b><br>Plot No:12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                    |
| Customer Reference :     | IWO Date: 02/04/2024                                                                                                           | Sample Reference No : | ECI-SM-2024/04/006 |
| Sample Drawn By :        | ECI                                                                                                                            | Sample Received On :  | 03.04.2024         |
| Sample Collected Date :  | 02.04.2024                                                                                                                     | Test Commenced On :   | 03.04.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                           | Test Completed On :   | 05.04.2024         |
| Sample Description :     | Stack                                                                                                                          | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | DG 380 KVA - (Chimney)                                                                                                         |                       |                    |

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.30  |
| 3.    | Stack Height from G Level     | m    | 6.0   |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 129     | IS 11255:Part 03 | NA                                                          |
| 2     | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3     | Carbon Monoxide (as CO)                  | % (v/v)             | 0.5     | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 1808    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 9.4     | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | 27.6    | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 35.0    | IS 11255:Part 01 | 50                                                          |
| 8     | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | 12.1    | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA - Not Applicable.

<--- End of Report --->

Verified By Sd/-  For ENVIRO CARE INDIA PRIVATE LIMITED  
(Laboratory Division)  
  
Authorized Signatory

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5. Total liability of our laboratory is limited to the invoice amount.







## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                         |                       |                    |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/04/005                                                                                                      | Report Date :         | 05.04.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                    |
| Customer Reference :     | IWO Date: 02/04/2024                                                                                                    | Sample Reference No : | ECI-SM-2024/04/005 |
| Sample Drawn By :        | ECI                                                                                                                     | Sample Received On :  | 03.04.2024         |
| Sample Collected Date :  | 02.04.2024                                                                                                              | Test Commenced On :   | 03.04.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                    | Test Completed On :   | 05.04.2024         |
| Sample Description :     | Stack                                                                                                                   | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | Diesel Fired Drier-Silencer(Diesel)                                                                                     |                       |                    |

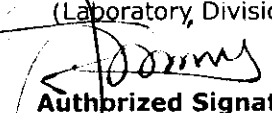
### Stack Details:

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.30  |
| 3.    | Stack Height from G Level     | m    | 6.0   |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 112     | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | 0.2     | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 2033    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 10.1    | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | 33.8    | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 43.4    | IS 11255:Part 01 | 50                                                          |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | 21.2    | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA -- Not Applicable.

<--- End of Report --->

|                                                                                                 |                                                                                     |                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By  |  | For ENVIRO CARE INDIA PRIVATE LIMITED<br>(Laboratory, Division)<br><br>Authorized Signatory |
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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                         |                       |                    |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/04/003                                                                                                      | Report Date :         | 05.04.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                    |
| Customer Reference :     | IWO Date: 02/04/2024                                                                                                    | Sample Reference No : | ECI-SM-2024/04/003 |
| Sample Drawn By :        | ECI                                                                                                                     | Sample Received On :  | 03.04.2024         |
| Sample Collected Date :  | 02.04.2024                                                                                                              | Test Commenced On :   | 03.04.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                    | Test Completed On :   | 05.04.2024         |
| Sample Description :     | Stack                                                                                                                   | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | Pulverizer Dust Collector (Chimney)                                                                                     |                       |                    |

### Stack Details:

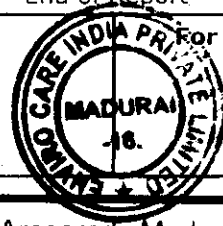
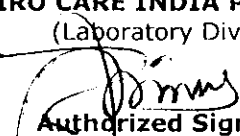
| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1     | Port hole Height from G Level | m    | 6.0   |
| 2     | Stack Diameter at port hole   | m    | 0.40  |
| 3     | Stack Height from G Level     | m    | 9.0   |
| 4     | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 78      | IS 11255:Part 03 | NA                                                          |
| 2     | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | < 0.2   | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 3867    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 9.8     | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 1.6     | IS 11255:Part 01 | 2.0                                                         |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards

NA : Not Applicable.

<--- End of Report --->

|                                                                                                 |                                                                                     |                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By  |  | For <b>ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Laboratory Division)<br><br>Authorized Signatory |
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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

| Report No :                                                                                    | ECI-NM-2024/04/001                                                                                                      | Report Date :         | 05.04.2024         |  |  |
|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|--|--|
| Customer Name & Address                                                                        | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                    |  |  |
| Customer Reference :                                                                           | IWO Date: 02/04/2024                                                                                                    | Sample Reference No : | ECI-NM-2024/04/001 |  |  |
| Sample Description :                                                                           | Noise                                                                                                                   | Monitoring Date :     | 02.04.2024         |  |  |
| Monitored By :                                                                                 | ECI                                                                                                                     | Data Received On :    | 03.04.2024         |  |  |
| S.No                                                                                           | Locations                                                                                                               | Day Time              |                    |  |  |
|                                                                                                |                                                                                                                         | Minimum               | Maximum            |  |  |
| 1.                                                                                             | Near Main Gate                                                                                                          | 51.2                  | 53.2               |  |  |
| 2.                                                                                             | Admin Office Area                                                                                                       | 58.5                  | 61.4               |  |  |
| 3.                                                                                             | Stack Yard Area                                                                                                         | 56.2                  | 57.9               |  |  |
| 4.                                                                                             | Toilet Area                                                                                                             | 58.5                  | 60.0               |  |  |
| 5.                                                                                             | Canteen Area                                                                                                            | 61.3                  | 63.5               |  |  |
| 6.                                                                                             | DG Room                                                                                                                 | 84.2                  | 86.3               |  |  |
| 7.                                                                                             | Main Machine Area                                                                                                       | 86.4                  | 87.5               |  |  |
| 8.                                                                                             | RM Section                                                                                                              | 74.5                  | 77.4               |  |  |
| 9.                                                                                             | Stripping Machine Area                                                                                                  | 84.0                  | 87.5               |  |  |
| 10.                                                                                            | Work Shop Area                                                                                                          | 78.9                  | 82.4               |  |  |
| Unit                                                                                           |                                                                                                                         | dB (A)                |                    |  |  |
| Max. Permissible Limit for Noise (Factories Rules, 1950)                                       |                                                                                                                         | 90                    |                    |  |  |
| Reference Method                                                                               |                                                                                                                         | IS 9989               |                    |  |  |
| <b>Opinion:</b> In the above mentioned locations meets the requirements of Factories Act Rules |                                                                                                                         |                       |                    |  |  |
| <--- End of Report --->                                                                        |                                                                                                                         |                       |                    |  |  |
| Verified By : <i>S.d.</i>                                                                      | For ENVIRO CARE INDIA PRIVATE LIMITED<br>(Chemical Testing Laboratory)<br><i>[Signature]</i><br>Authorized Signatory    |                       |                    |  |  |



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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

| Report No :                                                                                      | ECI-NM-2024/04/002                                                                                                          | Report Date :         | 05.04.2024         |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Customer Name & Address                                                                          | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352     |                       |                    |
| Customer Reference :                                                                             | IWO Date: 02/04/2024                                                                                                        | Sample Reference No : | ECI-NM-2024/04/002 |
| Sample Description :                                                                             | Noise                                                                                                                       | Monitoring Date :     | 02.04.2024         |
| Monitored By :                                                                                   | ECI                                                                                                                         | Data Received On :    | 03.04.2024         |
| S.No                                                                                             | Locations                                                                                                                   | Night Time            |                    |
|                                                                                                  |                                                                                                                             | Minimum               | Maximum            |
| 1.                                                                                               | Near Main Gate                                                                                                              | 44.2                  | 45.9               |
| 2.                                                                                               | Admin Office Area                                                                                                           | 50.2                  | 53.2               |
| 3.                                                                                               | Stack Yard Area                                                                                                             | 46.2                  | 48.5               |
| 4.                                                                                               | Toilet Area                                                                                                                 | 54.5                  | 55.3               |
| 5.                                                                                               | Canteen Area                                                                                                                | 43.2                  | 45.7               |
| 6.                                                                                               | DG Room                                                                                                                     | 67.2                  | 69.3               |
| 7.                                                                                               | Main Machine Area                                                                                                           | 84.2                  | 86.9               |
| 8.                                                                                               | RM Section                                                                                                                  | 68.2                  | 70.1               |
| 9.                                                                                               | Stripping Machine Area                                                                                                      | 86.9                  | 88.5               |
| 10.                                                                                              | Work Shop Area                                                                                                              | 64.2                  | 68.9               |
| Unit                                                                                             | dB (A)                                                                                                                      |                       |                    |
| Max. Permissible Limit for Noise (Factories Rules, 1950)                                         | 90                                                                                                                          |                       |                    |
| Reference Method                                                                                 | IS 9989                                                                                                                     |                       |                    |
| <b>Opinion :</b> In the above mentioned locations meets the requirements of Factories Act Rules. |                                                                                                                             |                       |                    |
| <--- End of Report --->                                                                          |                                                                                                                             |                       |                    |
| Verified By : <i>S.d.</i>                                                                        | For <b>ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><i>[Signature]</i><br>Authorized Signatory |                       |                    |



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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                        |                       |                     |
|--------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-IAQ-2024/04/002                                                                                                    | Report Date :         | 05.04.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                     |
| Customer Reference :     | IWO Date: 02/04/2024                                                                                                   | Sample Reference No : | ECI-IAQ-2024/04/002 |
| Sample Drawn By :        | ECI                                                                                                                    | Sample Received On :  | 03.04.2024          |
| Sample Collected Date :  | 02.04.2024                                                                                                             | Test Commenced On :   | 03.04.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                           | Test Completed On :   | 05.04.2024          |
| Sample Description :     | Fugitive Emission                                                                                                      | Sampling Method :     | IS 5182 Part 14     |
| Sample Mark:             | Cement & Fly Ash Handling Area                                                                                         |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD     | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-----------------|----------------------------|
| 1.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 26.5    | IS 5182:Part 06 | 80                         |
| 2.   | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 21.3    | IS 5182 Part:24 | 60                         |
| 3.   | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 59.8    | IS 5182:Part 23 | 100                        |
| 4.   | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 11.2    | IS 5182:Part 02 | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested

<--- End of Report --->

|                           |                                                                                                                    |
|---------------------------|--------------------------------------------------------------------------------------------------------------------|
| Verified By : <i>Scl.</i> | For ENVIRO CARE INDIA PRIVATE LIMITED<br>(Chemical Testing Laboratory)<br><i>S. Prasad</i><br>Authorized Signatory |
|---------------------------|--------------------------------------------------------------------------------------------------------------------|



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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                         |                       |                     |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-IAQ-2024/04/001                                                                                                     | Report Date :         | 05.04.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                     |
| Customer Reference :     | IWO Date: 02/04/2024                                                                                                    | Sample Reference No : | ECI-IAQ-2024/04/001 |
| Sample Drawn By :        | ECI                                                                                                                     | Sample Received On :  | 03.04.2024          |
| Sample Collected Date :  | 02.04.2024                                                                                                              | Test Commenced On :   | 03.04.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                            | Test Completed On :   | 05.04.2024          |
| Sample Description :     | Fugitive Emission                                                                                                       | Sampling Method :     | IS 5182 Part 14     |
| Sample Mark:             | RM Stock Area                                                                                                           |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD     | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-----------------|----------------------------|
| 1    | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 23.9    | IS 5182:Part 06 | 80                         |
| 2    | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 26.3    | IS 5182 Part:24 | 60                         |
| 3    | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 46.7    | IS 5182:Part 23 | 100                        |
| 4    | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 14.2    | IS 5182:Part 02 | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

|                           |                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Verified By : <i>S.C.</i> | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><i>[Signature]</i><br>Authorized Signatory |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------|



#43, 2nd Street, Harvey Nagar, Arasaradi, Madurai - 625016 Tel: 0452 4355103  
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5. Total liability of our laboratory is limited to the invoice amount.
6. Any dispute arising out of this report is subjected to Madurai Jurisdiction Only.





# RAMCO INDUSTRIES LIMITED

Assistant General Manager Production,  
Ramco Industries Limited,  
IPCOT Industrial Area,  
Gangaikondan,  
RUNELVELI, Tamil Nadu.

Arakkonam

Date: 04.05.2024

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of April 2024.

| Ref.No. | Date of sampling | Location                 | S/P | Flow Rate (ml/min) | Sampling duration (min) | Fibre Count (nos) | Fibre concentration (f/cc) |
|---------|------------------|--------------------------|-----|--------------------|-------------------------|-------------------|----------------------------|
| 1       | 01.04.2024       | ASBESTOS STORAGE GODOWN  | S   | 1000               | 240                     | 9                 | 0.020                      |
| 2       | 05.04.2024       | BAG OPENING DEVICE / ERM | P   | 1000               | 240                     | 11                | 0.024                      |
| 3       | 04.04.2024       | SLURRY MIXER             | S   | 1000               | 240                     | 6                 | 0.013                      |
| 4       | 14.04.2024       | SHEETING MACHINE         | P   | 1000               | 240                     | 8                 | 0.018                      |
| 5       | 18.04.2024       | CORRUGATOR               | P   | 1000               | 240                     | 6                 | 0.013                      |
| 6       | 07.04.2024       | MOULDING AREA            | P   | 1000               | 240                     | 6                 | 0.013                      |
| 7       | 03.04.2024       | LABORATORY               | P   | 1000               | 240                     | 4                 | 0.009                      |
| 8       | 07.04.2024       | LOADING AREA             | S   | 1000               | 240                     | 7                 | 0.015                      |
| 9       | 05.04.2024       | NEAR MAIN GATE(OUT SIDE) | S   | 1000               | 240                     | 3                 | 0.007                      |
| 10      | 17.04.2024       | SEGREGATION              | P   | 1000               | 240                     | 8                 | 0.018                      |
| 11      | 17.04.2024       | SALVAGE                  | S   | 1000               | 240                     | 9                 | 0.020                      |
| 12      | 13.04.2024       | PULVERIZER               | P   | 1000               | 240                     | 10                | 0.022                      |

Remarks:-

\*P- Personal

\*S- Static

# Un able to process

Hard copy of report along with sample boxes will be sent through courier

SENIOR MANAGER QUALITY



# RAMCO INDUSTRIES LIMITED

Assistant General Manager Production,  
Ramco Industries Limited ,  
SIPCOT Industrial Area,  
Gangaikondan,  
TIRUNELVELI, Tamil Nadu.

Arakkonam

Date: 04.05.2024

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of April 2024.

| Ref.No | Date of sampling | Location            | Sampling status | Duration in minutes | Volume of Air in CC/Min | No of Fibres | Fibre Concentration (F/CC) |
|--------|------------------|---------------------|-----------------|---------------------|-------------------------|--------------|----------------------------|
| 13     | 02.04.2024       | Fiber De-Stack      | *               | 10                  | 10000                   | 4            | 0.0212                     |
| 14     | 02.04.2024       | Pulverizer De-Stack | *               | 10                  | 10000                   | 3            | 0.0159                     |

Remarks:-

\*P-Personal

\*S-Static

# Un able to process

Hard copy of report along with sample boxes will be sent through courier

*[Signature]*  
SENIOR MANAGER QUALITY





## TEST REPORT

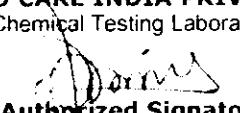
Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                         |                       |                     |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-AAQ-2024/05/004                                                                                                     | Report Date :         | 06.05.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                     |
| Customer Reference :     | IWO Date: 02/05/2024                                                                                                    | Sample Reference No : | ECI-AAQ-2024/05/004 |
| Sample Drawn By :        | ECI                                                                                                                     | Sample Received On :  | 03.05.2024          |
| Sample Collected Date :  | 02.05.2024                                                                                                              | Test Commenced On :   | 03.05.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                            | Test Completed On :   | 06.05.2024          |
| Sample Description :     | Ambient Air                                                                                                             | Sampling Method :     | IS 5182:Part 14     |
| Sample Mark:             | Near Main Gate                                                                                                          |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD       | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-------------------|----------------------------|
| 1.   | Ammonia (as NH <sub>3</sub> )                     | µg/m <sup>3</sup> | < 1.0   | NIOSH Method:6015 | 400                        |
| 2.   | Arsenic (as As)                                   | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 6.0                        |
| 3.   | Benzene (C <sub>6</sub> H <sub>6</sub> )          | µg/m <sup>3</sup> | < 1.0   | IS 5182:Part 11   | 5.0                        |
| 4.   | Benzo-a-Pyrene (BaP)                              | ng/m <sup>3</sup> | < 1.0   | IS 5182:Part 12   | 1.0                        |
| 5.   | Carbon Monoxide (as CO)                           | mg/m <sup>3</sup> | < 1.2   | IS 5182:Part 10   | 2.0                        |
| 6.   | Lead (as Pb)                                      | µg/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 1.0                        |
| 7.   | Nickel (as Ni)                                    | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 20                         |
| 8.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 17.4    | IS 5182:Part 06   | 80                         |
| 9.   | Ozone (as O <sub>3</sub> )                        | µg/m <sup>3</sup> | < 9.8   | IS 5182:Part 09   | 180                        |
| 10.  | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 26.6    | IS 5182:Part:24   | 60                         |
| 11.  | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 62.9    | IS 5182:Part 23   | 100                        |
| 12.  | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 9.2     | IS 5182:Part 02   | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

|                                                                                                   |                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By :  | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><br>Authorized Signatory |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



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5. Total liability of our laboratory is limited to the amount paid for the test.





## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                         |                       |                     |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-AAQ-2024/05/002                                                                                                     | Report Date :         | 06.05.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                     |
| Customer Reference :     | IWO Date: 02/05/2024                                                                                                    | Sample Reference No : | ECI-AAQ-2024/05/002 |
| Sample Drawn By :        | ECI                                                                                                                     | Sample Received On :  | 03.05.2024          |
| Sample Collected Date :  | 02.05.2024                                                                                                              | Test Commenced On :   | 03.05.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                            | Test Completed On :   | 06.05.2024          |
| Sample Description :     | Ambient Air                                                                                                             | Sampling Method :     | IS 5182:Part 14     |
| Sample Mark:             | Near Stack Yard                                                                                                         |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD       | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-------------------|----------------------------|
| 1.   | Ammonia (as NH <sub>3</sub> )                     | µg/m <sup>3</sup> | < 1.0   | NIOSH Method:6015 | 400                        |
| 2.   | Arsenic (as As)                                   | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 6.0                        |
| 3.   | Benzene (C <sub>6</sub> H <sub>6</sub> )          | µg/m <sup>3</sup> | < 1.0   | IS 5182:Part 11   | 5.0                        |
| 4.   | Benzo-a-Pyrene (BaP)                              | ng/m <sup>3</sup> | < 1.0   | IS 5182:Part 12   | 1.0                        |
| 5.   | Carbon Monoxide (as CO)                           | mg/m <sup>3</sup> | < 1.2   | IS 5182:Part 10   | 2.0                        |
| 6.   | Lead (as Pb)                                      | µg/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 1.0                        |
| 7.   | Nickel (as Ni)                                    | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 20                         |
| 8.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 23.7    | IS 5182:Part 06   | 80                         |
| 9.   | Ozone (as O <sub>3</sub> )                        | µg/m <sup>3</sup> | < 9.8   | IS 5182:Part 09   | 180                        |
| 10.  | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 35.3    | IS 5182:Part:24   | 60                         |
| 11.  | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 70.1    | IS 5182:Part 23   | 100                        |
| 12.  | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 6.9     | IS 5182:Part 02   | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

Verified By :



**For ENVIRO CARE INDIA PRIVATE LIMITED**  
(Chemical Testing Laboratory)

Authorized Signatory

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## TEST REPORT

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|                          |                                                                                                                          |                       |                     |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-AAQ-2024/05/001                                                                                                      | Report Date :         | 06.05.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No: 12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                     |
| Customer Reference :     | IWO Date: 02/05/2024                                                                                                     | Sample Reference No : | ECI-AAQ-2024/05/001 |
| Sample Drawn By :        | ECI                                                                                                                      | Sample Received On :  | 03.05.2024          |
| Sample Collected Date :  | 02.05.2024                                                                                                               | Test Commenced On :   | 03.05.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                             | Test Completed On :   | 06.05.2024          |
| Sample Description :     | Ambient Air                                                                                                              | Sampling Method :     | IS 5182:Part 14     |
| Sample Mark:             | Near Guest House                                                                                                         |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD       | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-------------------|----------------------------|
| 1.   | Ammonia (as NH <sub>3</sub> )                     | µg/m <sup>3</sup> | < 1.0   | NIOSH Method:6015 | 400                        |
| 2.   | Arsenic (as As)                                   | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 6.0                        |
| 3.   | Benzene (C <sub>6</sub> H <sub>6</sub> )          | µg/m <sup>3</sup> | < 1.0   | IS 5182:Part 11   | 5.0                        |
| 4.   | Benzo-a-Pyrene (BaP)                              | ng/m <sup>3</sup> | < 1.0   | IS 5182:Part 12   | 1.0                        |
| 5.   | Carbon Monoxide (as CO)                           | mg/m <sup>3</sup> | < 1.2   | IS 5182:Part 10   | 2.0                        |
| 6.   | Lead (as Pb)                                      | µg/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 1.0                        |
| 7.   | Nickel (as Ni)                                    | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 20                         |
| 8.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 27.5    | IS 5182:Part 06   | 80                         |
| 9.   | Ozone (as O <sub>3</sub> )                        | µg/m <sup>3</sup> | < 9.8   | IS 5182:Part 09   | 180                        |
| 10.  | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 22.9    | IS 5182:Part:24   | 60                         |
| 11.  | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 47.6    | IS 5182:Part 23   | 100                        |
| 12.  | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 9.8     | IS 5182:Part 02   | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

|               |                                                                                                    |
|---------------|----------------------------------------------------------------------------------------------------|
| Verified By : | For ENVIRO CARE INDIA PRIVATE LIMITED<br>(Chemical Testing Laboratory)<br><br>Authorized Signatory |
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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                         |                       |                     |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-AAQ-2024/05/003                                                                                                     | Report Date :         | 06.05.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                     |
| Customer Reference :     | IWO Date: 02/05/2024                                                                                                    | Sample Reference No : | ECI-AAQ-2024/05/003 |
| Sample Drawn By :        | ECI                                                                                                                     | Sample Received On :  | 03.05.2024          |
| Sample Collected Date :  | 02.05.2024                                                                                                              | Test Commenced On :   | 03.05.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                            | Test Completed On :   | 06.05.2024          |
| Sample Description :     | Ambient Air                                                                                                             | Sampling Method :     | IS 5182:Part 14     |
| Sample Mark:             | Near Asbestos Godown                                                                                                    |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD       | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-------------------|----------------------------|
| 1    | Ammonia (as NH <sub>3</sub> )                     | µg/m <sup>3</sup> | < 1.0   | NIOSH Method:6015 | 400                        |
| 2    | Arsenic (as As)                                   | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 6.0                        |
| 3    | Benzene (C <sub>6</sub> H <sub>6</sub> )          | µg/m <sup>3</sup> | < 1.0   | IS 5182:Part 11   | 5.0                        |
| 4    | Benzo-a-Pyrene (BaP)                              | ng/m <sup>3</sup> | < 1.0   | IS 5182:Part 12   | 1.0                        |
| 5    | Carbon Monoxide (as CO)                           | mg/m <sup>3</sup> | < 1.2   | IS 5182:Part 10   | 2.0                        |
| 6    | Lead (as Pb)                                      | µg/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 1.0                        |
| 7    | Nickel (as Ni)                                    | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 20                         |
| 8    | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 24.5    | IS 5182:Part 06   | 80                         |
| 9    | Ozone (as O <sub>3</sub> )                        | µg/m <sup>3</sup> | < 9.8   | IS 5182:Part 09   | 180                        |
| 10   | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 32.1    | IS 5182:Part 24   | 60                         |
| 11   | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 62.5    | IS 5182:Part 23   | 100                        |
| 12   | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 6.7     | IS 5182:Part 02   | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

For **ENVIRO CARE INDIA PRIVATE LIMITED**  
(Chemical Testing Laboratory)

Verified By :



Authorized Signatory

#43, 2nd Street, Harvey Nagar, Arasaradi, Madurai - 625016 Tel: 0452 4355103  
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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                         |                       |                    |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/05/002                                                                                                      | Report Date :         | 06.05.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                    |
| Customer Reference :     | IWO Date: 02/05/2024                                                                                                    | Sample Reference No : | ECI-SM-2024/05/002 |
| Sample Drawn By :        | ECI                                                                                                                     | Sample Received On :  | 03.05.2024         |
| Sample Collected Date :  | 02.05.2024                                                                                                              | Test Commenced On :   | 03.05.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                    | Test Completed On :   | 06.05.2024         |
| Sample Description :     | Stack                                                                                                                   | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | Fibre Mill Dust Collector – (Chimney)                                                                                   |                       |                    |

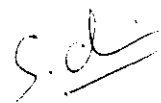
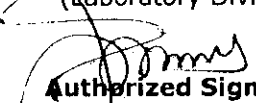
### Stack Details:

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.35  |
| 3.    | Stack Height from G Level     | m    | 26.0  |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 113     | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | < 0.2   | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 2641    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 9.7     | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 1.8     | IS 11255:Part 01 | 2.0                                                         |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA -- Not Applicable.

<--- End of Report --->

|             |                                                                                     |                                                                                     |                                                                                                                                                                                       |
|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By |  |  | For <b>ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Laboratory Division)<br><br>Authorized Signatory |
|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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5. Total liability of our laboratory is limited to the invoice amount.





## TEST REPORT

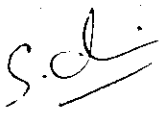
Accredited by NABL (Chemical & Biological)

|                          |                                                                                                                         |                       |                    |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/05/001                                                                                                      | Report Date :         | 06.05.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                    |
| Customer Reference :     | IWO Date: 02/05/2024                                                                                                    | Sample Reference No : | ECI-SM-2024/05/001 |
| Sample Drawn By :        | ECI                                                                                                                     | Sample Received On :  | 03.05.2024         |
| Sample Collected Date :  | 02.05.2024                                                                                                              | Test Commenced On :   | 03.05.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                    | Test Completed On :   | 06.05.2024         |
| Sample Description :     | Stack                                                                                                                   | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | Cement Fly Storage (Chimney)                                                                                            |                       |                    |
| Stack Details:           |                                                                                                                         |                       |                    |
| S. No                    | Details                                                                                                                 | Unit                  | Value              |
| 1.                       | Port hole Height from G Level                                                                                           | m                     | 5.0                |
| 2.                       | Stack Diameter at port hole                                                                                             | m                     | 0.35               |
| 3.                       | Stack Height from G Level                                                                                               | m                     | 23.5               |
| 4.                       | Ambient Temperature                                                                                                     | °C                    | 32                 |

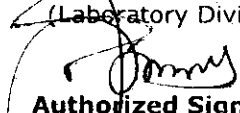
| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 61      | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | < 0.2   | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 2950    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 9.3     | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 34.9    | IS 11255:Part 01 | 50                                                          |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA – Not Applicable.

<--- End of Report --->

Verified By 



For ENVIRO CARE INDIA PRIVATE LIMITED  
(Laboratory Division)  
  
Authorized Signatory

#43, 2nd Street, Harvey Nagar, Arasaradi, Madurai - 625016 Tel: 0452 4355103  
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## TEST REPORT

Accredited by NABL (Chemical & Biological)

|                          |                                                                                                                         |                       |                    |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/05/004                                                                                                      | Report Date :         | 06.05.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                    |
| Customer Reference :     | IWO Date: 02/05/2024                                                                                                    | Sample Reference No : | ECI-SM-2024/05/004 |
| Sample Drawn By :        | ECI                                                                                                                     | Sample Received On :  | 03.05.2024         |
| Sample Collected Date :  | 02.05.2024                                                                                                              | Test Commenced On :   | 03.05.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                    | Test Completed On :   | 06.05.2024         |
| Sample Description :     | Stack                                                                                                                   | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | DG 750 KVA - (Chimney)                                                                                                  |                       |                    |

### Stack Details:

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.30  |
| 3.    | Stack Height from G Level     | m    | 15.0  |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 174     | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | 0.5     | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | 0.3     | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 1873    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 10.8    | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | 34.2    | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 37.9    | IS 11255:Part 01 | 50                                                          |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | 15.5    | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA – Not Applicable.

<--- End of Report --->

|             |  |  |                                                                                            |
|-------------|--|--|--------------------------------------------------------------------------------------------|
| Verified By |  |  | For ENVIRO CARE INDIA PRIVATE LIMITED<br>(Laboratory Division)<br><br>Authorized Signatory |
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| Stack Details: |                               |      |       |
|----------------|-------------------------------|------|-------|
| S. No          | Details                       | Unit | Value |
| 1.             | Port hole Height from G Level | m    | 5.0   |
| 2.             | Stack Diameter at port hole   | m    | 0.30  |
| 3.             | Stack Height from G Level     | m    | 6.0   |
| 4.             | Ambient Temperature           | °C   | 32    |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA – Not Applicable.

<--- End of Report --->

For **ENVIRO CARE INDIA PRIVATE LIMITED**  
(Laboratory Division)

**Authorized Signatory**

Email: [lab@envirocareindia.com](mailto:lab@envirocareindia.com) | Web: [www.envirocareindia.com](http://www.envirocareindia.com)







## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                         |                       |                    |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/05/003                                                                                                      | Report Date :         | 06.05.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                    |
| Customer Reference :     | IWO Date: 02/05/2024                                                                                                    | Sample Reference No : | ECI-SM-2024/05/003 |
| Sample Drawn By :        | ECI                                                                                                                     | Sample Received On :  | 03.05.2024         |
| Sample Collected Date :  | 02.05.2024                                                                                                              | Test Commenced On :   | 03.05.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                    | Test Completed On :   | 06.05.2024         |
| Sample Description :     | Stack                                                                                                                   | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | Pulverizer Dust Collector (Chimney)                                                                                     |                       |                    |

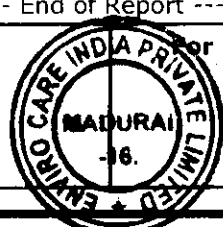
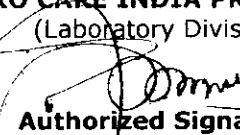
### Stack Details:

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 6.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.40  |
| 3.    | Stack Height from G Level     | m    | 9.0   |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 78      | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | < 0.2   | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 3646    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 9.3     | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 1.3     | IS 11255:Part 01 | 2.0                                                         |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA – Not Applicable.

<--- End of Report --->

|             |                                                                                     |                                                                                     |                                                                                                                                                                                |
|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By |  |  | For ENVIRO CARE INDIA PRIVATE LIMITED<br>(Laboratory Division)<br><br>Authorized Signatory |
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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                         |                       |                    |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/05/005                                                                                                      | Report Date :         | 06.05.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                    |
| Customer Reference :     | IWO Date: 02/05/2024                                                                                                    | Sample Reference No : | ECI-SM-2024/05/005 |
| Sample Drawn By :        | ECI                                                                                                                     | Sample Received On :  | 03.05.2024         |
| Sample Collected Date :  | 02.05.2024                                                                                                              | Test Commenced On :   | 03.05.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                    | Test Completed On :   | 06.05.2024         |
| Sample Description :     | Stack                                                                                                                   | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | Diesel Fired Drier-Silencer(Diesel)                                                                                     |                       |                    |

### Stack Details:

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.30  |
| 3.    | Stack Height from G Level     | m    | 6.0   |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 121     | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | 0.4     | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 1859    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 9.4     | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | 35.9    | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 41.5    | IS 11255:Part 01 | 50                                                          |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | 23.0    | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA – Not Applicable.

<--- End of Report --->

|             |                                                                                     |                                                                |                                                                                      |
|-------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Verified By |  | For ENVIRO CARE INDIA PRIVATE LIMITED<br>(Laboratory Division) |  |
|             |                                                                                     | Authorized Signatory                                           |                                                                                      |

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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

| Report No :                                              | ECI-NM-2024/05/001                                                                                                      | Report Date :         | 06.05.2024         |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Customer Name & Address                                  | M/s. Ramco Industries Ltd<br>Plot No.12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                    |
| Customer Reference :                                     | IWO Date: 02/05/2024                                                                                                    | Sample Reference No : | ECI-NM-2024/05/001 |
| Sample Description :                                     | Noise                                                                                                                   | Monitoring Date :     | 02.05.2024         |
| Monitored By :                                           | ECI                                                                                                                     | Data Received On :    | 03.05.2024         |
| S.No                                                     | Locations                                                                                                               | Day Time              |                    |
|                                                          |                                                                                                                         | Minimum               | Maximum            |
| 1.                                                       | Near Main Gate                                                                                                          | 52.3                  | 56.3               |
| 2.                                                       | Admin Office Area                                                                                                       | 63.5                  | 64.1               |
| 3.                                                       | Stack Yard Area                                                                                                         | 56.7                  | 58.0               |
| 4.                                                       | Toilet Area                                                                                                             | 58.3                  | 59.1               |
| 5.                                                       | Canteen Area                                                                                                            | 61.2                  | 62.9               |
| 6.                                                       | DG Room                                                                                                                 | 82.4                  | 85.0               |
| 7.                                                       | Main Machine Area                                                                                                       | 87.2                  | 88.3               |
| 8.                                                       | RM Section                                                                                                              | 74.2                  | 76.3               |
| 9.                                                       | Stripping Machine Area                                                                                                  | 84.7                  | 86.8               |
| 10.                                                      | Work Shop Area                                                                                                          | 78.2                  | 80.0               |
| Unit                                                     |                                                                                                                         | dB (A)                |                    |
| Max. Permissible Limit for Noise (Factories Rules, 1950) |                                                                                                                         | 90                    |                    |
| Reference Method                                         |                                                                                                                         | IS 9989               |                    |

**Opinion:** In the above mentioned locations meets the requirements of Factories Act Rules

<--- End of Report --->

|               |                                                                                                           |
|---------------|-----------------------------------------------------------------------------------------------------------|
| Verified By : | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><br>Authorized Signatory |
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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

| Report No :                                                                                      | ECI-NM-2024/05/002                                                                                                       | Report Date :         | 06.05.2024         |  |  |
|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|--|--|
| Customer Name & Address                                                                          | M/s. Ramco Industries Ltd<br>Plot No: 12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                    |  |  |
| Customer Reference :                                                                             | IWO Date: 02/05/2024                                                                                                     | Sample Reference No : | ECI-NM-2024/05/002 |  |  |
| Sample Description :                                                                             | Noise                                                                                                                    | Monitoring Date :     | 02.05.2024         |  |  |
| Monitored By :                                                                                   | ECI                                                                                                                      | Data Received On :    | 03.05.2024         |  |  |
| S.No                                                                                             | Locations                                                                                                                | Night Time            |                    |  |  |
|                                                                                                  |                                                                                                                          | Minimum               | Maximum            |  |  |
| 1.                                                                                               | Near Main Gate                                                                                                           | 48.9                  | 50.2               |  |  |
| 2.                                                                                               | Admin Office Area                                                                                                        | 51.5                  | 53.8               |  |  |
| 3.                                                                                               | Stack Yard Area                                                                                                          | 47.2                  | 49.5               |  |  |
| 4.                                                                                               | Toilet Area                                                                                                              | 51.5                  | 53.7               |  |  |
| 5.                                                                                               | Canteen Area                                                                                                             | 45.2                  | 47.2               |  |  |
| 6.                                                                                               | DG Room                                                                                                                  | 67.2                  | 69.3               |  |  |
| 7.                                                                                               | Main Machine Area                                                                                                        | 88.2                  | 89.3               |  |  |
| 8.                                                                                               | RM Section                                                                                                               | 66.2                  | 68.3               |  |  |
| 9.                                                                                               | Stripping Machine Area                                                                                                   | 85.3                  | 89.4               |  |  |
| 10.                                                                                              | Work Shop Area                                                                                                           | 65.2                  | 67.2               |  |  |
| Unit                                                                                             |                                                                                                                          | dB (A)                |                    |  |  |
| Max. Permissible Limit for Noise (Factories Rules, 1950)                                         |                                                                                                                          | 90                    |                    |  |  |
| Reference Method                                                                                 |                                                                                                                          | IS 9989               |                    |  |  |
| <b>Opinion :</b> In the above mentioned locations meets the requirements of Factories Act Rules. |                                                                                                                          |                       |                    |  |  |
| <--- End of Report --->                                                                          |                                                                                                                          |                       |                    |  |  |
| Verified By :                                                                                    | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><br>Authorized Signatory                |                       |                    |  |  |



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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

| Report No :              | ECI-IAQ-2024/05/002                                                                                                     | Report Date :         | 06.05.2024          |                 |                            |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|-----------------|----------------------------|
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                     |                 |                            |
| Customer Reference :     | IWO Date: 02/05/2024                                                                                                    | Sample Reference No : | ECI-IAQ-2024/05/002 |                 |                            |
| Sample Drawn By :        | ECI                                                                                                                     | Sample Received On :  | 03.05.2024          |                 |                            |
| Sample Collected Date :  | 02.05.2024                                                                                                              | Test Commenced On :   | 03.05.2024          |                 |                            |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                            | Test Completed On :   | 06.05.2024          |                 |                            |
| Sample Description :     | Fugitive Emission                                                                                                       | Sampling Method :     | IS 5182 Part 14     |                 |                            |
| Sample Mark:             | Cement & Fly Ash Handling Area                                                                                          |                       |                     |                 |                            |
| S.No                     | PARAMETERS                                                                                                              | UNITS                 | RESULTS             | TEST METHOD     | Permissible limits of CPCB |
| 1.                       | Nitrogen dioxide (as NO <sub>2</sub> )                                                                                  | µg/m <sup>3</sup>     | 27.8                | IS 5182:Part 06 | 80                         |
| 2.                       | Particulate Matter (PM <sub>2.5</sub> )                                                                                 | µg/m <sup>3</sup>     | 23.1                | IS 5182 Part:24 | 60                         |
| 3.                       | Respirable Particulate Matter (PM <sub>10</sub> )                                                                       | µg/m <sup>3</sup>     | 61.4                | IS 5182:Part 23 | 100                        |
| 4.                       | Sulphur Dioxide (as SO <sub>2</sub> )                                                                                   | µg/m <sup>3</sup>     | 12.9                | IS 5182:Part 02 | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

|                                                                                                   |                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By :  | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><br>Authorized Signatory |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



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6. Any dispute arising out of this report is subjected to Madurai Jurisdiction Only.





## TEST REPORT

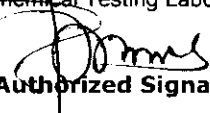
Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                         |                       |                     |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-IAQ-2024/05/001                                                                                                     | Report Date :         | 06.05.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                     |
| Customer Reference :     | IWO Date: 02/05/2024                                                                                                    | Sample Reference No : | ECI-IAQ-2024/05/001 |
| Sample Drawn By :        | ECI                                                                                                                     | Sample Received On :  | 03.05.2024          |
| Sample Collected Date :  | 02.05.2024                                                                                                              | Test Commenced On :   | 03.05.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                            | Test Completed On :   | 06.05.2024          |
| Sample Description :     | Fugitive Emission                                                                                                       | Sampling Method :     | IS 5182 Part 14     |
| Sample Mark:             | RM Stock Area                                                                                                           |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD     | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-----------------|----------------------------|
| 1.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 20.8    | IS 5182:Part 06 | 80                         |
| 2.   | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 28.3    | IS 5182 Part:24 | 60                         |
| 3.   | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 48.5    | IS 5182:Part 23 | 100                        |
| 4.   | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 9.7     | IS 5182:Part 02 | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

|                                                                                                   |                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By :  | <b>For ENVIRO-CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><br>Authorized Signatory |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



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# RAMCO INDUSTRIES LIMITED

Deputy General Manager Works,  
Ramco Industries Limited ,  
SIPCOT Industrial Area,  
Gangaikondan,  
TIRUNELVELI, Tamil Nadu.

Arakkonam  
Date:05.06.2024

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of May 2024.

| Ref.No. | Date of sampling | Location                 | S/P | Flow Rate (ml/min) | Sampling duration (min) | Fibre Count (nos) | Fibre concentration (f/cc) |
|---------|------------------|--------------------------|-----|--------------------|-------------------------|-------------------|----------------------------|
| 1       | 03.05.2024       | ASBESTOS STORAGE GODOWN  | S   | 1000               | 240                     | 10                | 0.022                      |
| 2       | 05.05.2024       | BAG OPENING DEVICE / ERM | P   | 1000               | 240                     | 10                | 0.022                      |
| 3       | 09.05.2024       | SLURRY MIXER             | S   | 1000               | 240                     | 8                 | 0.018                      |
| 4       | 13.05.2024       | SHEETING MACHINE         | P   | 1000               | 240                     | 7                 | 0.015                      |
| 5       | 07.05.2024       | CORRUGATOR               | P   | 1000               | 240                     | 6                 | 0.013                      |
| 6       | 11.05.2024       | MOULDING AREA            | P   | 1000               | 240                     | 5                 | 0.011                      |
| 7       | 04.05.2024       | LABORATORY               | P   | 1000               | 240                     | 4                 | 0.009                      |
| 8       | 08.05.2024       | LOADING AREA             | S   | 1000               | 240                     | 6                 | 0.013                      |
| 9       | 13.05.2024       | NEAT MAIN GATE(OUT SIDE) | S   | 1000               | 240                     | 5                 | 0.011                      |
| 10      | 15.05.2024       | SEGREGATION              | P   | 1000               | 240                     | 8                 | 0.018                      |
| 11      | 15.05.2024       | SALVAGE                  | S   | 1000               | 240                     | 8                 | 0.018                      |
| 12      | 12.05.2024       | PULVERIZER               | P   | 1000               | 240                     | 9                 | 0.020                      |

Remarks:-

\*P- Personal  
\*S- Static  
# Un able to process

Hard copy of report along with sample boxes will be sent through courier

SENIOR MANAGER QUALITY

*[Signature]*



# RAMCO INDUSTRIES LIMITED

Deputy General Manager Works,  
Ramco Industries Limited,  
SIPCOT Industrial Area,  
Gangaikondan,  
TIRUNELVELI, Tamil Nadu.

Arakkonam  
Date: 05.06.2024

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of May 2024.

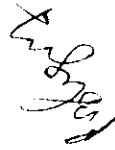
| Ref.No | Date of sampling | Location            | Sampling status | Duration in minutes | Volume of Air in CC/Min | No of Fibres | Fibre Concentration (F/CC) |
|--------|------------------|---------------------|-----------------|---------------------|-------------------------|--------------|----------------------------|
| 13     | 02.05.2024       | Fiber De-Stack      | *               | 10                  | 10000                   | 3            | 0.0159                     |
| 14     | 02.05.2024       | Pulverizer De-Stack | *               | 10                  | 10000                   | 4            | 0.0212                     |

Remarks:-

\*P-Personal  
\*S-Static  
# Un able to process

Hard copy of report along with sample boxes will be sent through courier

  
SENIOR MANAGER QUALITY







## TEST REPORT

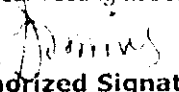
Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                            |                       |                     |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-AAQ-2024/06/004                                                                                                        | Report Date :         | 05.06.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                     |
| Customer Reference :     | IWO Date: 01/06/2024                                                                                                       | Sample Reference No : | ECI-AAQ-2024/06/004 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 03.06.2024          |
| Sample Collected Date :  | 01.06.2024                                                                                                                 | Test Commenced On :   | 03.06.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                               | Test Completed On :   | 05.06.2024          |
| Sample Description :     | Ambient Air                                                                                                                | Sampling Method :     | IS 5182:Part 14     |
| Sample Mark:             | Near Main Gate                                                                                                             |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD       | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-------------------|----------------------------|
| 1    | Ammonia (as NH <sub>3</sub> )                     | µg/m <sup>3</sup> | < 1.0   | NIOSH Method:6015 | 400                        |
| 2    | Arsenic (as As)                                   | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 6.0                        |
| 3    | Benzene (C <sub>6</sub> H <sub>6</sub> )          | µg/m <sup>3</sup> | < 1.0   | IS 5182:Part 11   | 5.0                        |
| 4    | Benzo-a-Pyrene (BaP)                              | ng/m <sup>3</sup> | < 1.0   | IS 5182:Part 12   | 1.0                        |
| 5    | Carbon Monoxide (as CO)                           | mg/m <sup>3</sup> | < 1.2   | IS 5182:Part 10   | 2.0                        |
| 6    | Lead (as Pb)                                      | µg/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 1.0                        |
| 7    | Nickel (as Ni)                                    | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 20                         |
| 8    | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 19.6    | IS 5182:Part 06   | 80                         |
| 9    | Ozone (as O <sub>3</sub> )                        | µg/m <sup>3</sup> | < 9.8   | IS 5182:Part 09   | 180                        |
| 10   | Particulate Matter (PM <sub>10</sub> )            | µg/m <sup>3</sup> | 28.5    | IS 5182 Part:24   | 60                         |
| 11   | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 64.2    | IS 5182:Part 23   | 100                        |
| 12   | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 11.7    | IS 5182:Part 02   | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

|                                                                                                   |                                                                                                                                                                                                |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By :  | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><br>Authorized Signatory |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                         |                       |                     |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-AAQ-2024/06/002                                                                                                     | Report Date :         | 05.06.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                     |
| Customer Reference :     | IWO Date: 01/06/2024                                                                                                    | Sample Reference No : | ECI-AAQ-2024/06/002 |
| Sample Drawn By :        | ECI                                                                                                                     | Sample Received On :  | 03.06.2024          |
| Sample Collected Date :  | 01.06.2024                                                                                                              | Test Commenced On :   | 03.06.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                            | Test Completed On :   | 05.06.2024          |
| Sample Description :     | Ambient Air                                                                                                             | Sampling Method :     | IS 5182:Part 14     |
| Sample Mark:             | Near Stack Yard                                                                                                         |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD       | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-------------------|----------------------------|
| 1.   | Ammonia (as NH <sub>3</sub> )                     | µg/m <sup>3</sup> | < 1.0   | NIOSH Method:6015 | 400                        |
| 2.   | Arsonic (as As)                                   | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 6.0                        |
| 3.   | Benzene (C <sub>6</sub> H <sub>6</sub> )          | µg/m <sup>3</sup> | < 1.0   | IS 5182:Part 11   | 5.0                        |
| 4.   | Benzo-a-Pyrine (BaP)                              | ng/m <sup>3</sup> | < 1.0   | IS 5182:Part 12   | 1.0                        |
| 5.   | Carbon Monoxide (as CO)                           | mg/m <sup>3</sup> | < 1.2   | IS 5182:Part 10   | 2.0                        |
| 6.   | Lead (as Pb)                                      | µg/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 1.0                        |
| 7.   | Nickel (as Ni)                                    | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 20                         |
| 8.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 26.2    | IS 5182:Part 06   | 80                         |
| 9.   | Ozone (as O <sub>3</sub> )                        | µg/m <sup>3</sup> | < 9.8   | IS 5182:Part 09   | 180                        |
| 10.  | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 32.4    | IS 5182 Part:24   | 60                         |
| 11.  | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 67.9    | IS 5182:Part 23   | 100                        |
| 12.  | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 8.8     | IS 5182:Part 02   | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

Verified By :

*S. S. S.*



**For ENVIRO CARE INDIA PRIVATE LIMITED**  
(Chemical Testing Laboratory)

*[Signature]*  
**Authorized Signatory**

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## TEST REPORT

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|                          |                                                                                                                         |                       |                     |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-AAQ-2024/06/001                                                                                                     | Report Date :         | 05.06.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                     |
| Customer Reference :     | IWO Date: 01/06/2024                                                                                                    | Sample Reference No : | ECI-AAQ-2024/06/001 |
| Sample Drawn By :        | ECI                                                                                                                     | Sample Received On :  | 03.06.2024          |
| Sample Collected Date :  | 01.06.2024                                                                                                              | Test Commenced On :   | 03.06.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                            | Test Completed On :   | 05.06.2024          |
| Sample Description :     | Ambient Air                                                                                                             | Sampling Method :     | IS 5182:Part 14     |
| Sample Mark:             | Near Guest House                                                                                                        |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD       | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-------------------|----------------------------|
| 1.   | Ammonia (as NH <sub>3</sub> )                     | µg/m <sup>3</sup> | < 1.0   | NIOSH Method:6015 | 400                        |
| 2.   | Arsenic (as As)                                   | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 6.0                        |
| 3.   | Benzene (C <sub>6</sub> H <sub>6</sub> )          | µg/m <sup>3</sup> | < 1.0   | IS 5182:Part 11   | 5.0                        |
| 4.   | Benzo-a-Pyrene (BaP)                              | ng/m <sup>3</sup> | < 1.0   | IS 5182:Part 12   | 1.0                        |
| 5.   | Carbon Monoxide (as CO)                           | mg/m <sup>3</sup> | < 1.2   | IS 5182:Part 10   | 2.0                        |
| 6.   | Lead (as Pb)                                      | µg/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 1.0                        |
| 7.   | Nickel (as Ni)                                    | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 20                         |
| 8.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 30.6    | IS 5182:Part 06   | 80                         |
| 9.   | Ozone (as O <sub>3</sub> )                        | µg/m <sup>3</sup> | < 9.8   | IS 5182:Part 09   | 180                        |
| 10.  | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 24.7    | IS 5182 Part:24   | 60                         |
| 11.  | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 49.2    | IS 5182:Part 23   | 100                        |
| 12.  | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 11.4    | IS 5182:Part 02   | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

|               |                                                                                                           |
|---------------|-----------------------------------------------------------------------------------------------------------|
| Verified By : | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><br>Authorized Signatory |
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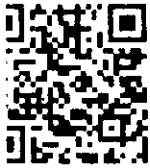
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## TEST REPORT

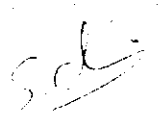
Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                            |                       |                     |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-AAQ-2024/06/003                                                                                                        | Report Date :         | 05.06.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                     |
| Customer Reference :     | IWO Date: 01/06/2024                                                                                                       | Sample Reference No : | ECI-AAQ-2024/06/003 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 03.06.2024          |
| Sample Collected Date :  | 01.06.2024                                                                                                                 | Test Commenced On :   | 03.06.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                               | Test Completed On :   | 05.06.2024          |
| Sample Description :     | Ambient Air                                                                                                                | Sampling Method :     | IS 5182:Part 14     |
| Sample Mark:             | Near Asbestos Godown                                                                                                       |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD       | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-------------------|----------------------------|
| 1.   | Ammonia (as NH <sub>3</sub> )                     | µg/m <sup>3</sup> | < 1.0   | NIOSH Method:6015 | 400                        |
| 2.   | Arsenic (as As)                                   | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 6.0                        |
| 3.   | Benzene (C <sub>6</sub> H <sub>6</sub> )          | µg/m <sup>3</sup> | < 1.0   | IS 5182:Part 11   | 5.0                        |
| 4.   | Benzo-a-Pyrene (BaP)                              | ng/m <sup>3</sup> | < 1.0   | IS 5182:Part 12   | 1.0                        |
| 5.   | Carbon Monoxide (as CO)                           | mg/m <sup>3</sup> | < 1.2   | IS 5182:Part 10   | 2.0                        |
| 6.   | Lead (as Pb)                                      | µg/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 1.0                        |
| 7.   | Nickel (as Ni)                                    | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 20                         |
| 8.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 27.0    | IS 5182:Part 06   | 80                         |
| 9.   | Ozone (as O <sub>3</sub> )                        | µg/m <sup>3</sup> | < 9.8   | IS 5182:Part 09   | 180                        |
| 10.  | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 34.3    | IS 5182 Part:24   | 60                         |
| 11.  | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 64.7    | IS 5182:Part 23   | 100                        |
| 12.  | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 9.0     | IS 5182:Part 02   | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

|                                                                                                   |                                                                                     |                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By :  |  | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><br><b>Authorized Signatory</b> |
|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                            |                       |                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/06/002                                                                                                         | Report Date :         | 05.06.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :     | IWO Date: 01/06/2024                                                                                                       | Sample Reference No : | ECI-SM-2024/06/002 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 03.06.2024         |
| Sample Collected Date :  | 01.06.2024                                                                                                                 | Test Commenced On :   | 03.06.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                       | Test Completed On :   | 05.06.2024         |
| Sample Description :     | Stack                                                                                                                      | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | Fibre Mill Dust Collector – (Chimney)                                                                                      |                       |                    |

### Stack Details:

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1     | Port hole Height from G Level | m    | 5.0   |
| 2     | Stack Diameter at port hole   | m    | 0.35  |
| 3     | Stack Height from G Level     | m    | 26.0  |
| 4     | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1     | Stack Temperature                        | °C                  | 122     | IS 11255:Part 03 | NA                                                          |
| 2     | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3     | Carbon Monoxide (as CO)                  | % (v/v)             | < 0.2   | IS 13270         | 1.0                                                         |
| 4     | Flow rate                                | Nm <sup>3</sup> /hr | 2526    | IS 11255:Part 03 | NA                                                          |
| 5     | Flue Gas velocity                        | m/sec               | 9.4     | IS 11255:Part 03 | NA                                                          |
| 6     | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 07 | NA                                                          |
| 7     | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 1.5     | IS 11255:Part 01 | 2.0                                                         |
| 8     | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA Not Applicable.

<--- End of Report --->

|             |                                                                |
|-------------|----------------------------------------------------------------|
| Verified By | For ENVIRO CARE INDIA PRIVATE LIMITED<br>(Laboratory Division) |
|             | Authorized Signatory                                           |

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Email: lab@envirocareindia.com ; Web: www.envirocareindia.com

**Note:** 1. The results relate only to this item tested.

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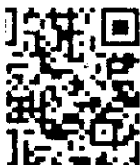
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6. Any dispute arising out of this report is subjected to Madurai Jurisdiction Only.





## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                             |                       |                    |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/06/001                                                                                                          | Report Date :         | 05.06.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No: 12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :     | IWO Date: 01/06/2024                                                                                                        | Sample Reference No : | ECI-SM-2024/06/001 |
| Sample Drawn By :        | ECI                                                                                                                         | Sample Received On :  | 03.06.2024         |
| Sample Collected Date :  | 01.06.2024                                                                                                                  | Test Commenced On :   | 03.06.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                        | Test Completed On :   | 05.06.2024         |
| Sample Description :     | Stack                                                                                                                       | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | Cement Fly Storage (Chimney)                                                                                                |                       |                    |

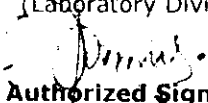
### Stack Details:

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.35  |
| 3.    | Stack Height from G Level     | m    | 23.5  |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1     | Stack Temperature                        | °C                  | 73      | IS 11255:Part 03 | NA                                                          |
| 2     | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | < 0.2   | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 2767    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 9.1     | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 07 | NA                                                          |
| 7     | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 36.1    | IS 11255:Part 01 | 50                                                          |
| 8     | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA - Not Applicable.

<--- End of Report --->

|                                                                                                 |                                                                                     |                                                                                                                                                                                |
|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                            |                       |                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/06/004                                                                                                         | Report Date :         | 05.06.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :     | IWO Date: 01/06/2024                                                                                                       | Sample Reference No : | ECI-SM-2024/06/004 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 03.06.2024         |
| Sample Collected Date :  | 01.06.2024                                                                                                                 | Test Commenced On :   | 03.06.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                       | Test Completed On :   | 05.06.2024         |
| Sample Description :     | Stack                                                                                                                      | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | DG 750 KVA - (Chimney)                                                                                                     |                       |                    |

### Stack Details:

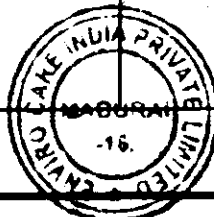
| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.30  |
| 3.    | Stack Height from G Level     | m    | 15.0  |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 188     | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | 0.4     | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | 0.2     | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 1761    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 10.5    | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | 31.9    | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 39.6    | IS 11255:Part 01 | 50                                                          |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | 13.3    | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA Not Applicable.

<--- End of Report --->

|             |  |                                                                |  |
|-------------|--|----------------------------------------------------------------|--|
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|             |  | Authorized Signatory                                           |  |



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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                            |                       |                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/06/004                                                                                                         | Report Date :         | 05.06.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :     | IWO Date: 01/06/2024                                                                                                       | Sample Reference No : | ECI-SM-2024/06/004 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 03.06.2024         |
| Sample Collected Date :  | 01.06.2024                                                                                                                 | Test Commenced On :   | 03.06.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                       | Test Completed On :   | 05.06.2024         |
| Sample Description :     | Stack                                                                                                                      | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | DG 750 KVA - (Chimney)                                                                                                     |                       |                    |

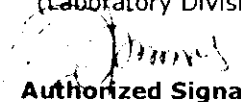
### Stack Details:

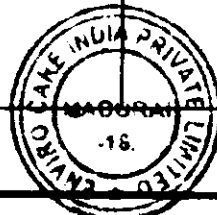
| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.30  |
| 3.    | Stack Height from G Level     | m    | 15.0  |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 188     | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | 0.4     | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | 0.2     | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 1761    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 10.5    | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | 31.9    | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 39.6    | IS 11255:Part 01 | 50                                                          |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | 13.3    | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA Not Applicable.

<--- End of Report --->

|             |                                                                                     |                                                                |                                                                                                              |
|-------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
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Accredited by **NABL** ( Chemical & Biological )

|                                    |                                                                                                                                   |                              |                    |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------|
| <b>Report No :</b>                 | ECI-SM-2024/06/003                                                                                                                | <b>Report Date :</b>         | 05.06.2024         |
| <b>Customer Name &amp; Address</b> | <b>M/s. Ramco Industries Ltd</b><br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                              |                    |
| <b>Customer Reference :</b>        | IWO Date: 01/06/2024                                                                                                              | <b>Sample Reference No :</b> | ECI-SM-2024/06/003 |
| <b>Sample Drawn By :</b>           | ECI                                                                                                                               | <b>Sample Received On :</b>  | 03.06.2024         |
| <b>Sample Collected Date :</b>     | 01.06.2024                                                                                                                        | <b>Test Commenced On :</b>   | 03.06.2024         |
| <b>Qty of Sample Received :</b>    | Thimble & 50 ml Soln                                                                                                              | <b>Test Completed On :</b>   | 05.06.2024         |
| <b>Sample Description :</b>        | Stack                                                                                                                             | <b>Sampling Method :</b>     | IS 11255 :Part 01  |
| <b>Sample Mark:</b>                | Pulverizer Dust Collector (Chimney)                                                                                               |                              |                    |

### Stack Details:

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 6.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.40  |
| 3.    | Stack Height from G Level     | m    | 9.0   |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1     | Stack Temperature                        | °C                  | 90      | IS 11255:Part 03 | NA                                                          |
| 2     | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3     | Carbon Monoxide (as CO)                  | % (v/v)             | < 0.2   | IS 13270         | 1.0                                                         |
| 4     | Flow rate                                | Nm <sup>3</sup> /hr | 3471    | IS 11255:Part 03 | NA                                                          |
| 5     | Flue Gas velocity                        | m/sec               | 9.1     | IS 11255:Part 03 | NA                                                          |
| 6     | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 07 | NA                                                          |
| 7     | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 1.7     | IS 11255:Part 01 | 2.0                                                         |
| 8     | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards

NA Not Applicable.

<--- End of Report --->

For ENVIRO CARE INDIA PRIVATE LIMITED  
(Laboratory Division)

**Verified By**

**Authorized Signatory**

943, 2nd Street, Harvey Nagar, Arunachal Pradesh, India. - 725015. Tel: 0452-4355100  
Email: [sahy@envirocareindia.com](mailto:sahy@envirocareindia.com), Web: [www.envirocareindia.com](http://www.envirocareindia.com)

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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                            |                       |                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/06/005                                                                                                         | Report Date :         | 05.06.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :     | IWO Date: 01/06/2024                                                                                                       | Sample Reference No : | ECI-SM-2024/06/005 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 03.06.2024         |
| Sample Collected Date :  | 01.06.2024                                                                                                                 | Test Commenced On :   | 03.06.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                       | Test Completed On :   | 05.06.2024         |
| Sample Description :     | Stack                                                                                                                      | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | Diesel Fired Drier-Silencer(Diesel)                                                                                        |                       |                    |

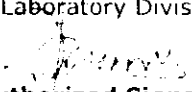
### Stack Details:

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1     | Port hole Height from G Level | m    | 5.0   |
| 2     | Stack Diameter at port hole   | m    | 0.30  |
| 3     | Stack Height from G Level     | m    | 6.0   |
| 4     | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1     | Stack Temperature                        | °C                  | 138     | IS 11255:Part 03 | NA                                                          |
| 2     | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3     | Carbon Monoxide (as CO)                  | % (v/v)             | 0.2     | IS 13270         | 1.0                                                         |
| 4     | Flow rate                                | Nm <sup>3</sup> /hr | 1939    | IS 11255:Part 03 | NA                                                          |
| 5     | Flue Gas velocity                        | m/sec               | 10.3    | IS 11255:Part 03 | NA                                                          |
| 6     | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | 34.4    | IS 11255:Part 07 | NA                                                          |
| 7     | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 43.2    | IS 11255:Part 01 | 50                                                          |
| 8     | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | 21.8    | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA Not Applicable.

<--- End of Report --->

|                                                                                                 |                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By  | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Laboratory Division)<br><br>Authorized Signatory  |
|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#13, 2nd Street, Haripur Nigam Area, Madurai - 625 007. Tel: 9452 1055107  
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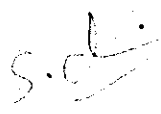
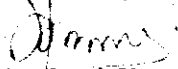
Accredited by NABL ( Chemical & Biological )

|                         |                                                                                                                         |                       |                    |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :             | ECI-NM-2024/06/001                                                                                                      | Report Date :         | 05.06.2024         |
| Customer Name & Address | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre<br>Gangaikondan<br>Tirunelveli Dist-627352 |                       |                    |
| Customer Reference :    | IWO Date: 01/06/2024                                                                                                    | Sample Reference No : | ECI-NM-2024/06/001 |
| Sample Description :    | Noise                                                                                                                   | Monitoring Date :     | 01.06.2024         |
| Monitored By :          | ECI                                                                                                                     | Data Received On :    | 03.06.2024         |

| S.No                                                     | Locations              | Day Time |         |
|----------------------------------------------------------|------------------------|----------|---------|
|                                                          |                        | Minimum  | Maximum |
| 1.                                                       | Near Main Gate         | 51.4     | 56.2    |
| 2.                                                       | Admin Office Area      | 62.7     | 64.3    |
| 3.                                                       | Stack Yard Area        | 55.8     | 58.4    |
| 4.                                                       | Toilet Area            | 58.7     | 59.6    |
| 5.                                                       | Canteen Area           | 63.5     | 65.1    |
| 6.                                                       | DG Room                | 82.8     | 86.5    |
| 7.                                                       | Main Machine Area      | 86.3     | 87.9    |
| 8.                                                       | RM Section             | 73.7     | 77.2    |
| 9.                                                       | Stripping Machine Area | 85.6     | 88.4    |
| 10.                                                      | Work Shop Area         | 77.9     | 83.1    |
| Unit                                                     |                        | dB (A)   |         |
| Max. Permissible Limit for Noise (Factories Rules, 1950) |                        | 90       |         |
| Reference Method                                         |                        | IS 9989  |         |

**Opinion:** In the above mentioned locations meets the requirements of Factories Act Rules

<--- End of Report --->

|                                                                                                   |                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By :  | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><br><b>Authorized Signatory</b> |
|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



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Email: lab@envirocareindia.com | Web: www.envirocareindia.com

**Note:** 1. The results relate only to this item tested.

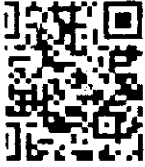
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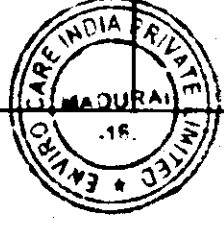
## TEST REPORT

Accredited by NABL ( Chemical & Biological )

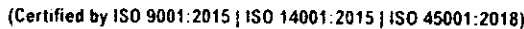
| Report No :                                              | ECI-NM-2024/06/001                                                                                                         | Report Date :         | 05.06.2024         |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Customer Name & Address                                  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :                                     | IWO Date: 01/06/2024                                                                                                       | Sample Reference No : | ECI-NM-2024/06/001 |
| Sample Description :                                     | Noise                                                                                                                      | Monitoring Date :     | 01.06.2024         |
| Monitored By :                                           | ECI                                                                                                                        | Data Received On :    | 03.06.2024         |
| S.No                                                     | Locations                                                                                                                  | Night Time            |                    |
|                                                          |                                                                                                                            | Minimum               | Maximum            |
| 1.                                                       | Near Main Gate                                                                                                             | 49.5                  | 50.9               |
| 2.                                                       | Admin Office Area                                                                                                          | 51.6                  | 53.7               |
| 3.                                                       | Stack Yard Area                                                                                                            | 46.2                  | 48.9               |
| 4.                                                       | Toilet Area                                                                                                                | 52.5                  | 54.3               |
| 5.                                                       | Canteen Area                                                                                                               | 44.7                  | 48.6               |
| 6.                                                       | DG Room                                                                                                                    | 67.0                  | 69.7               |
| 7.                                                       | Main Machine Area                                                                                                          | 88.2                  | 89.9               |
| 8.                                                       | RM Section                                                                                                                 | 66.1                  | 69.3               |
| 9.                                                       | Stripping Machine Area                                                                                                     | 85.2                  | 89.0               |
| 10.                                                      | Work Shop Area                                                                                                             | 64.1                  | 67.2               |
| Unit                                                     |                                                                                                                            | dB (A)                |                    |
| Max. Permissible Limit for Noise (Factories Rules, 1950) |                                                                                                                            | 90                    |                    |
| Reference Method                                         |                                                                                                                            | IS 9989               |                    |

**Opinion :** In the above mentioned locations meets the requirements of Factories Act Rules.

<--- End of Report --->

|                                                                                                   |                                                                                     |                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By :  |  | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><br><b>Authorized Signatory</b> |
|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|





Accredited by **NABL** ( Chemical & Biological )

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD     | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-----------------|----------------------------|
| 1.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 27.8    | IS 5182:Part 06 | 80                         |
| 2.   | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 23.1    | IS 5182 Part:24 | 60                         |
| 3.   | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 61.4    | IS 5182:Part 23 | 100                        |
| 4.   | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 12.9    | IS 5182:Part 02 | 80                         |

<--- End of Report --->

**Verified By :**

**Authorized Signatory**



**Note:**

1. The results relate only to this item tested.
2. Any Correction not attested shall invalidate this report.
3. Report shall not be reproduced anywhere except in full and in the same format without the permission of the laboratory.
4. Unless informed by customer, the test items will not be retained for more the 15 days from date of issue of test report.
5. Total liability of our laboratory is limited to the invoice amount
6. Any dispute arising out of this report is subjected to Madurai Jurisdiction Only.





## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                            |                       |                     |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-IAQ-2024/06/001                                                                                                        | Report Date :         | 05.06.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                     |
| Customer Reference :     | IWO Date: 01/06/2024                                                                                                       | Sample Reference No : | ECI-IAQ-2024/06/001 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 03.06.2024          |
| Sample Collected Date :  | 01.06.2024                                                                                                                 | Test Commenced On :   | 03.06.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                               | Test Completed On :   | 05.06.2024          |
| Sample Description :     | Fugitive Emission                                                                                                          | Sampling Method :     | IS 5182 Part 14     |
| Sample Mark:             | RM Stock Area                                                                                                              |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD     | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-----------------|----------------------------|
| 1.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 20.8    | IS 5182:Part 06 | 80                         |
| 2.   | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 28.3    | IS 5182 Part:24 | 60                         |
| 3.   | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 48.5    | IS 5182:Part 23 | 100                        |
| 4.   | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 9.7     | IS 5182:Part 02 | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

|                                                                                                   |                                                                                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By :  | <div>For <b>ENVIRO CARE INDIA PRIVATE LIMITED</b><br/>(Chemical Testing Laboratory)</div> <div><br/><b>Authorized Signatory</b></div> |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#43, 2nd Street, Harvey Nagar, Arasarauli, Madurai - 625016 | Tel: 0452 4355100  
Email: lab@envirocareindia.com | Web: www.envirocareindia.com

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  - Any dispute arising out of this report is subjected to Madurai Jurisdiction Only





# RAMCO INDUSTRIES LIMITED

Assistant General Manager Production,  
Ramco Industries Limited,  
IPCOT Industrial Area,  
Gangaikondan,  
TIRUNELVELI, Tamil Nadu.

Arakkonam  
Date: 28.06.2024

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of June 2024.

| Ref.No. | Date of sampling | Location                 | S/P | Flow Rate (ml/min) | Sampling duration (min) | Fibre Count (nos) | Fibre concentration (f/cc) |
|---------|------------------|--------------------------|-----|--------------------|-------------------------|-------------------|----------------------------|
| 1       | 02.06.2024       | ASBESTOS STORAGE GODOWN  | S   | 1000               | 240                     | 8                 | 0.018                      |
| 2       | 12.06.2024       | BAG OPENING DEVICE / ERM | P   | 1000               | 240                     | 10                | 0.022                      |
| 3       | 05.06.2024       | SLURRY MIXER             | S   | 1000               | 240                     | 5                 | 0.011                      |
| 4       | 08.06.2024       | SHEETING MACHINE         | P   | 1000               | 240                     | 8                 | 0.018                      |
| 5       | 12.06.2024       | CORRUGATOR               | P   | 1000               | 240                     | 6                 | 0.013                      |
| 6       | 16.06.2024       | MOULDING AREA            | P   | 1000               | 240                     | 4                 | 0.009                      |
| 7       | 04.06.2024       | LABORATORY               | P   | 1000               | 240                     | 3                 | 0.007                      |
| 8       | 07.06.2024       | LOADING AREA             | S   | 1000               | 240                     | 7                 | 0.015                      |
| 9       | 06.06.2024       | NEAR MAIN GATE(OUT SIDE) | S   | 1000               | 240                     | 4                 | 0.009                      |
| 10      | 11.06.2024       | SEGREGATION              | P   | 1000               | 240                     | 6                 | 0.013                      |
| 11      | 03.06.2024       | SALVAGE                  | S   | 1000               | 240                     | 8                 | 0.018                      |
| 12      | 09.06.2024       | PULVERIZER               | P   | 1000               | 240                     | 9                 | 0.020                      |
| marks:- |                  |                          |     |                    |                         |                   |                            |

\*P- Personal

\*S- Static

# Un able to process

Hard copy of report along with sample boxes will be sent through courier

SENIOR MANAGER QUALITY



# RAMCO INDUSTRIES LIMITED

Assistant General Manager Production,  
Ramco Industries Limited,  
SIPCOT Industrial Area,  
Gangaikondan,  
TIRUNELVELI, Tamil Nadu.

Arakkonam  
Date: 28.06.2024

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of June 2024.

| Ref.No | Date of sampling | Location           | Sampling status | Duration in minutes | Volume of Air in CC/Min | No of Fibres | Fibre Concentration (F/CC) |
|--------|------------------|--------------------|-----------------|---------------------|-------------------------|--------------|----------------------------|
| 13     | 01.06.2024       | Fiber De-Stack     | *               | 10                  | 10000                   | 4            | 0.021                      |
| 14     | 01.06.2024       | Puwerizer De-Stack | *               | 10                  | 10000                   | 3            | 0.016                      |

Remarks:-

\*P-Personal  
\*S-Static  
# Un able to process

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SENIOR MANAGER QUALITY





TC 6226



(Certified by ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018)

**TEST REPORT**

Accredited by NABL ( Chemical &amp; Biological )

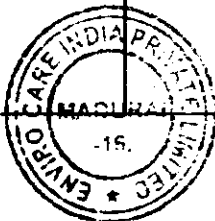
|                          |                                                                                                                            |                       |                     |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-AAQ-2024/07/004                                                                                                        | Report Date :         | 05.07.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                     |
| Customer Reference :     | IWO Date: 01/07/2024                                                                                                       | Sample Reference No : | ECI-AAQ-2024/07/004 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 02.07.2024          |
| Sample Collected Date :  | 01.07.2024                                                                                                                 | Test Commenced On :   | 02.07.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                               | Test Completed On :   | 05.07.2024          |
| Sample Description :     | Ambient Air                                                                                                                | Sampling Method :     | IS 5182:Part 14     |
| Sample Mark:             | Near Main Gate                                                                                                             |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD       | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-------------------|----------------------------|
| 1    | Ammonia (as NH <sub>3</sub> )                     | µg/m <sup>3</sup> | < 1.0   | NIOSH Method:6015 | 400                        |
| 2    | Arsenic (as As)                                   | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 6.0                        |
| 3    | Benzene (C <sub>6</sub> H <sub>6</sub> )          | µg/m <sup>3</sup> | < 1.0   | IS 5182:Part 11   | 5.0                        |
| 4    | Benzo-a-Pyrene (BaP)                              | ng/m <sup>3</sup> | < 1.0   | IS 5182:Part 12   | 1.0                        |
| 5    | Carbon Monoxide (as CO)                           | mg/m <sup>3</sup> | < 1.2   | IS 5182:Part 10   | 2.0                        |
| 6    | Lead (as Pb)                                      | µg/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 1.0                        |
| 7    | Nickel (as Ni)                                    | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 20                         |
| 8    | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 21.2    | IS 5182:Part 06   | 80                         |
| 9    | Ozone (as O <sub>3</sub> )                        | µg/m <sup>3</sup> | < 9.8   | IS 5182:Part 09   | 180                        |
| 10   | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 30.4    | IS 5182 Part:24   | 60                         |
| 11   | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 66.1    | IS 5182:Part 23   | 100                        |
| 12   | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 13.6    | IS 5182:Part 02   | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

&lt;- - End of Report -&gt;

|               |                                                                                                                  |
|---------------|------------------------------------------------------------------------------------------------------------------|
| Verified By : | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><br><b>Authorized Signatory</b> |
|---------------|------------------------------------------------------------------------------------------------------------------|

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TC 6226



(Certified by ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018)

**TEST REPORT**

Accredited by NABL ( Chemical &amp; Biological )

|                          |                                                                                                                            |                       |                     |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-AAQ-2024/07/002                                                                                                        | Report Date :         | 05.07.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                     |
| Customer Reference :     | IWO Date: 01/07/2024                                                                                                       | Sample Reference No : | ECI-AAQ-2024/07/002 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 02.07.2024          |
| Sample Collected Date :  | 01.07.2024                                                                                                                 | Test Commenced On :   | 02.07.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                               | Test Completed On :   | 05.07.2024          |
| Sample Description :     | Ambient Air                                                                                                                | Sampling Method :     | IS 5182:Part 14     |
| Sample Mark:             | Near Stack Yard                                                                                                            |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD       | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-------------------|----------------------------|
| 1    | Ammonia (as NH <sub>3</sub> )                     | µg/m <sup>3</sup> | < 1.0   | NIOSH Method:6015 | 400                        |
| 2    | Arsenic (as As)                                   | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 6.0                        |
| 3    | Benzene (C <sub>6</sub> H <sub>6</sub> )          | µg/m <sup>3</sup> | < 1.0   | IS 5182:Part 11   | 5.0                        |
| 4    | Benzo-a-Pyrine (BaP)                              | ng/m <sup>3</sup> | < 1.0   | IS 5182:Part 12   | 1.0                        |
| 5    | Carbon Monoxide (as CO)                           | mg/m <sup>3</sup> | < 1.2   | IS 5182:Part 10   | 2.0                        |
| 6    | Lead (as Pb)                                      | µg/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 1.0                        |
| 7    | Nickel (as Ni)                                    | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 20                         |
| 8    | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 28.4    | IS 5182:Part 06   | 80                         |
| 9    | Ozone (as O <sub>3</sub> )                        | µg/m <sup>3</sup> | < 9.8   | IS 5182:Part 09   | 180                        |
| 10   | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 34.0    | IS 5182 Part:24   | 60                         |
| 11   | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 69.2    | IS 5182:Part 23   | 100                        |
| 12   | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 10.9    | IS 5182:Part 02   | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

&lt;--- End of Report ---&gt;

|               |                                                                                                |
|---------------|------------------------------------------------------------------------------------------------|
| Verified By : | For ENVIRO CARE INDIA PRIVATE LIMITED<br>(Chemical Testing Laboratory)<br>Authorized Signatory |
|---------------|------------------------------------------------------------------------------------------------|



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| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD       | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-------------------|----------------------------|
| 1    | Ammonia (as NH <sub>3</sub> )                     | µg/m <sup>3</sup> | < 1.0   | NIOSH Method:6015 | 400                        |
| 2    | Arsenic (as As)                                   | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 6.0                        |
| 3    | Benzene (C <sub>6</sub> H <sub>6</sub> )          | µg/m <sup>3</sup> | < 1.0   | IS 5182:Part 11   | 5.0                        |
| 4    | Benzo-a-Pyrene (BaP)                              | ng/m <sup>3</sup> | < 1.0   | IS 5182:Part 12   | 1.0                        |
| 5    | Carbon Monoxide (as CO)                           | mg/m <sup>3</sup> | < 1.2   | IS 5182:Part 10   | 2.0                        |
| 6    | Lead (as Pb)                                      | µg/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 1.0                        |
| 7    | Nickel (as Ni)                                    | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 20                         |
| 8    | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 32.5    | IS 5182:Part 06   | 80                         |
| 9    | Ozone (as O <sub>3</sub> )                        | µg/m <sup>3</sup> | < 9.8   | IS 5182:Part 09   | 180                        |
| 10   | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 26.3    | IS 5182 Part:24   | 60                         |
| 11   | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 51.1    | IS 5182:Part 23   | 100                        |
| 12   | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 13.6    | IS 5182:Part 02   | 80                         |

<--- End of Report --->

**Verified By :**

**Authorized Signatory**

Email: [lab@envirocareindia.com](mailto:lab@envirocareindia.com) | Web: [www.envirocareindia.com](http://www.envirocareindia.com)

-



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| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD       | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-------------------|----------------------------|
| 1.   | Ammonia (as NH <sub>3</sub> )                     | µg/m <sup>3</sup> | < 1.0   | NIOSH Method:6015 | 400                        |
| 2.   | Arsenic (as As)                                   | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 6.0                        |
| 3    | Benzene (C <sub>6</sub> H <sub>6</sub> )          | µg/m <sup>3</sup> | < 1.0   | IS 5182:Part 11   | 5.0                        |
| 4    | Benzo-a-Pyrene (BaP)                              | ng/m <sup>3</sup> | < 1.0   | IS 5182:Part 12   | 1.0                        |
| 5    | Carbon Monoxide (as CO)                           | mg/m <sup>3</sup> | < 1.2   | IS 5182:Part 10   | 2.0                        |
| 6.   | Lead (as Pb)                                      | µg/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 1.0                        |
| 7    | Nickel (as Ni)                                    | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 20                         |
| 8    | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 29.5    | IS 5182:Part 06   | 80                         |
| 9    | Ozone (as O <sub>3</sub> )                        | µg/m <sup>3</sup> | < 9.8   | IS 5182:Part 09   | 180                        |
| 10.  | Particulate Matter (PM <sub>10</sub> )            | µg/m <sup>3</sup> | 32.9    | IS 5182 Part:24   | 60                         |
| 11.  | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 62.6    | IS 5182:Part 23   | 100                        |
| 12   | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 12.1    | IS 5182:Part 02   | 80                         |

< --- End of Report --- >

**Verified By :**



Email: [lab@envirocareindia.com](mailto:lab@envirocareindia.com) | Web: [www.envirocareindia.com](http://www.envirocareindia.com)

-



## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                            |                       |                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/07/002                                                                                                         | Report Date :         | 05.07.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :     | IWO Date: 01/07/2024                                                                                                       | Sample Reference No : | ECI-SM-2024/07/002 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 02.07.2024         |
| Sample Collected Date :  | 01.07.2024                                                                                                                 | Test Commenced On :   | 02.07.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                       | Test Completed On :   | 05.07.2024         |
| Sample Description :     | Stack                                                                                                                      | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | Fibre Mill Dust Collector – (Chimney)                                                                                      |                       |                    |

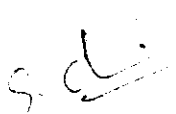
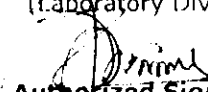
### Stack Details:

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.35  |
| 3.    | Stack Height from G Level     | m    | 26.0  |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 115     | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | < 0.2   | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 2395    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 9.8     | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 1.8     | IS 11255:Part 01 | 2.0                                                         |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA - Not Applicable.

<--- End of Report --->

Verified By   For ENVIRO CARE INDIA PRIVATE LIMITED  
(Laboratory Division)  
Authorized Signatory 

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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                            |                       |                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/07/001                                                                                                         | Report Date :         | 05.07.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :     | IWO Date: 01/07/2024                                                                                                       | Sample Reference No : | ECI-SM-2024/07/001 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 02.07.2024         |
| Sample Collected Date :  | 01.07.2024                                                                                                                 | Test Commenced On :   | 02.07.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                       | Test Completed On :   | 05.07.2024         |
| Sample Description :     | Stack                                                                                                                      | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | Cement Fly Storage (Chimney)                                                                                               |                       |                    |

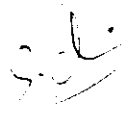
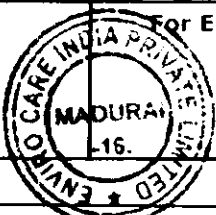
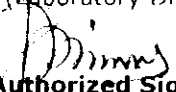
### Stack Details:

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.35  |
| 3.    | Stack Height from G Level     | m    | 23.5  |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 67      | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | < 0.2   | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 2478    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 8.9     | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 38.5    | IS 11255:Part 01 | 50                                                          |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA - Not Applicable.

<--- End of Report --->

|             |                                                                                     |                                                                                     |                                                                                                                                                                                |
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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                             |                       |                    |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/07/004                                                                                                          | Report Date :         | 05.07.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No: 12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :     | IWO Date: 01/07/2024                                                                                                        | Sample Reference No : | ECI-SM-2024/07/004 |
| Sample Drawn By :        | E-CI                                                                                                                        | Sample Received On :  | 02.07.2024         |
| Sample Collected Date :  | 01.07.2024                                                                                                                  | Test Commenced On :   | 02.07.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                        | Test Completed On :   | 05.07.2024         |
| Sample Description :     | Stack                                                                                                                       | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | DG 750 KVA - (Chimney)                                                                                                      |                       |                    |

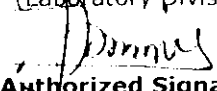
### Stack Details:

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.30  |
| 3.    | Stack Height from G Level     | m    | 15.0  |
| 4     | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1     | Stack Temperature                        | °C                  | 172     | IS 11255:Part 03 | NA                                                          |
| 2     | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | <0.2    | IS 13270         | NA                                                          |
| 3     | Carbon Monoxide (as CO)                  | % (v/v)             | <0.2    | IS 13270         | 1.0                                                         |
| 4     | Flow rate                                | Nm <sup>3</sup> /hr | 1605    | IS 11255:Part 03 | NA                                                          |
| 5     | Flue Gas velocity                        | m/sec               | 10.3    | IS 11255:Part 03 | NA                                                          |
| 6     | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | 33.6    | IS 11255:Part 07 | NA                                                          |
| 7     | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 41.9    | IS 11255:Part 01 | 50                                                          |
| 8     | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | 15.2    | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA - Not Applicable.

< --- End of Report --- >

|                                                                                                 |                                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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- 5 Total liability of our laboratory is limited to the invoice amount
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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                            |                       |                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/07/006                                                                                                         | Report Date :         | 05.07.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :     | IWO Date: 01/07/2024                                                                                                       | Sample Reference No : | ECI-SM-2024/07/006 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 02.07.2024         |
| Sample Collected Date :  | 01.07.2024                                                                                                                 | Test Commenced On :   | 02.07.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                       | Test Completed On :   | 05.07.2024         |
| Sample Description :     | Stack                                                                                                                      | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | DG 380 KVA - (Chimney)                                                                                                     |                       |                    |

### Stack Details:

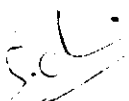
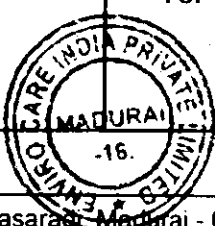
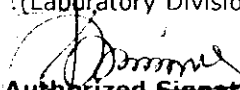
| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.30  |
| 3.    | Stack Height from G Level     | m    | 6.0   |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 168     | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | <0.2    | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 1638    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 10.4    | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | 33.9    | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 37.2    | IS 11255:Part 01 | 50                                                          |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | 18.4    | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards

NA: Not Applicable.

<--- End of Report --->

|                                                                                                 |                                                                                     |                                                                                                                                                                                |
|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                            |                       |                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/07/003                                                                                                         | Report Date :         | 05.07.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :     | IWO Date: 01/07/2024                                                                                                       | Sample Reference No : | ECI-SM-2024/07/003 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 02.07.2024         |
| Sample Collected Date :  | 01.07.2024                                                                                                                 | Test Commenced On :   | 02.07.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                       | Test Completed On :   | 05.07.2024         |
| Sample Description :     | Stack                                                                                                                      | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | Pulverizer Dust Collector (Chimney)                                                                                        |                       |                    |

### Stack Details:

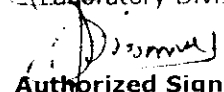
| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 6.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.40  |
| 3.    | Stack Height from G Level     | m    | 9.0   |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 79      | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | < 0.2   | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 3181    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 9.1     | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 1.9     | IS 11255:Part 01 | 2.0                                                         |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards

NA - Not Applicable.

< --- End of Report --- >

|             |                                                                                        |
|-------------|----------------------------------------------------------------------------------------|
| Verified By |    |
|             | For ENVIRO CARE INDIA PRIVATE LIMITED<br>(Laboratory Division)<br>Authorized Signatory |

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## TEST REPORT

Accredited by NABL (Chemical & Biological)

|                          |                                                                                                                            |                       |                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/07/005                                                                                                         | Report Date :         | 05.07.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :     | IWO Date: 01/07/2024                                                                                                       | Sample Reference No : | ECI-SM-2024/07/005 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 02.07.2024         |
| Sample Collected Date :  | 01.07.2024                                                                                                                 | Test Commenced On :   | 02.07.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                       | Test Completed On :   | 05.07.2024         |
| Sample Description :     | Stack                                                                                                                      | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | Diesel Fired Drier-Silencer(Diesel)                                                                                        |                       |                    |

### Stack Details:

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2     | Stack Diameter at port hole   | m    | 0.30  |
| 3.    | Stack Height from G Level     | m    | 6.0   |
| 4     | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1     | Stack Temperature                        | °C                  | 150     | IS 11255:Part 03 | NA                                                          |
| 2     | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3     | Carbon Monoxide (as CO)                  | % (v/v)             | <0.2    | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 1685    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 10.3    | IS 11255:Part 03 | NA                                                          |
| 6     | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | 36.3    | IS 11255:Part 07 | NA                                                          |
| 7     | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 45.8    | IS 11255:Part 01 | 50                                                          |
| 8     | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | 23.1    | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA - Not Applicable.

<--- End of Report --->

|             |                                                                                        |
|-------------|----------------------------------------------------------------------------------------|
| Verified By |    |
|             | For ENVIRO CARE INDIA PRIVATE LIMITED<br>(Laboratory Division)<br>Authorized Signatory |

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Accredited by **NABL** ( Chemical & Biological )

|                                    |                                                                                                                                   |                              |                    |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------|
| <b>Report No :</b>                 | ECI-NM-2024/07/001                                                                                                                | <b>Report Date :</b>         | 05.07.2024         |
| <b>Customer Name &amp; Address</b> | <b>M/s. Ramco Industries Ltd</b><br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                              |                    |
| <b>Customer Reference :</b>        | IWO Date: 01/07/2024                                                                                                              | <b>Sample Reference No :</b> | ECI-NM-2024/07/001 |
| <b>Sample Description :</b>        | Noise                                                                                                                             | <b>Monitoring Date :</b>     | 01.07.2024         |
| <b>Monitored By :</b>              | ECI                                                                                                                               | <b>Data Received On :</b>    | 02.07.2024         |

| S.No                                                     | Locations              | Day Time |         |
|----------------------------------------------------------|------------------------|----------|---------|
|                                                          |                        | Minimum  | Maximum |
| 1                                                        | Near Main Gate         | 52.0     | 56.3    |
| 2                                                        | Admin Office Area      | 62.1     | 64.5    |
| 3                                                        | Stack Yard Area        | 55.1     | 58.0    |
| 4                                                        | Toilet Area            | 57.9     | 60.0    |
| 5                                                        | Canteen Area           | 63.5     | 65.3    |
| 6                                                        | DG Room                | 82.9     | 86.1    |
| 7                                                        | Main Machine Area      | 86.7     | 87.2    |
| 8                                                        | RM Section             | 73.0     | 77.9    |
| 9                                                        | Stripping Machine Area | 85.3     | 87.5    |
| 10                                                       | Work Shop Area         | 76.1     | 82.9    |
| Unit                                                     |                        | dB (A)   |         |
| Max. Permissible Limit for Noise (Factories Rules, 1950) |                        | 90       |         |
| Reference Method                                         |                        | IS 9989  |         |

**Opinion:** In the above mentioned locations meets the requirements of Factories Act Rules

<--- End of Report --->

For ENVIRO CARE INDIA PRIVATE LIMITED  
(Chemical Testing Laboratory)

**Verified By :**

**Authorized Signatory**

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# TEST REPORT

Accredited by **NABL** ( Chemical & Biological )

|                         |                                                                                                                            |                       |                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :             | ECI-NM-2024/07/002                                                                                                         | Report Date :         | 05.07.2024         |
| Customer Name & Address | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :    | IWO Date: 01/07/2024                                                                                                       | Sample Reference No : | ECI-NM-2024/07/002 |
| Sample Description :    | Noise                                                                                                                      | Monitoring Date :     | 01.07.2024         |
| Monitored By :          | ECI                                                                                                                        | Data Received On :    | 02.07.2024         |

| S.No                                                     | Locations              | Night Time |         |
|----------------------------------------------------------|------------------------|------------|---------|
|                                                          |                        | Minimum    | Maximum |
| 1.                                                       | Near Main Gate         | 49.5       | 50.6    |
| 2.                                                       | Admin Office Area      | 51.7       | 53.8    |
| 3.                                                       | Stack Yard Area        | 46.1       | 48.2    |
| 4.                                                       | Toilet Area            | 51.8       | 54.1    |
| 5.                                                       | Canteen Area           | 44.0       | 48.3    |
| 6.                                                       | DG Room                | 68.1       | 69.7    |
| 7.                                                       | Main Machine Area      | 88.0       | 89.0    |
| 8.                                                       | RM Section             | 66.3       | 69.6    |
| 9.                                                       | Stripping Machine Area | 85.1       | 89.5    |
| 10.                                                      | Work Shop Area         | 64.3       | 67.2    |
| Unit                                                     |                        | dB (A)     |         |
| Max. Permissible Limit for Noise (Factories Rules, 1950) |                        | 90         |         |
| Reference Method                                         |                        | IS 9989    |         |

**Opinion :** In the above mentioned locations meets the requirements of Factories Act Rules.

<--- End of Report --->

**For ENVIRO CARE INDIA PRIVATE LIMITED**  
(Chemical Testing Laboratory)

Verified By :



**Authorized Signatory**

#43, 2nd Street, Harvey Nagar, Arasaradi, Madurai - 625016 Tel: 0452 4355103 /203  
Email: [lab@envirocareindia.com](mailto:lab@envirocareindia.com) | Web: [www.envirocareindia.com](http://www.envirocareindia.com)

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6. Any dispute arising out of this report is subjected to Madurai Jurisdiction Only





## TEST REPORT

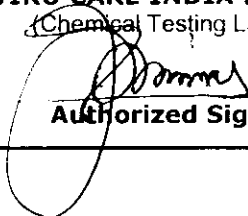
Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                            |                       |                     |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-IAQ-2024/07/002                                                                                                        | Report Date :         | 05.07.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                     |
| Customer Reference :     | IWO Date: 01/07/2024                                                                                                       | Sample Reference No : | ECI-IAQ-2024/07/002 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 02.07.2024          |
| Sample Collected Date :  | 01.07.2024                                                                                                                 | Test Commenced On :   | 02.07.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                               | Test Completed On :   | 05.07.2024          |
| Sample Description :     | Fugitive Emission                                                                                                          | Sampling Method :     | IS 5182 Part 14     |
| Sample Mark:             | Cement & Fly Ash Handling Area                                                                                             |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD     | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-----------------|----------------------------|
| 1.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 29.6    | IS 5182:Part 06 | 80                         |
| 2.   | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 25.4    | IS 5182 Part:24 | 60                         |
| 3.   | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 63.2    | IS 5182:Part 23 | 100                        |
| 4.   | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 14.8    | IS 5182:Part 02 | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

|                                                                                                   |                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By :  | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><br><b>Authorized Signatory</b> |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



#43, 2nd Street, Harvey Nagar, Arasaradi, Madurai - 625016 Tel: 0452 4355103 /203  
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  5. Total liability of our laboratory is limited to the invoice amount
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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                            |                       |                     |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-IAQ-2024/07/001                                                                                                        | Report Date :         | 05.07.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                     |
| Customer Reference :     | IWO Date: 01/07/2024                                                                                                       | Sample Reference No : | ECI-IAQ-2024/07/001 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 02.07.2024          |
| Sample Collected Date :  | 01.07.2024                                                                                                                 | Test Commenced On :   | 02.07.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                               | Test Completed On :   | 05.07.2024          |
| Sample Description :     | Fugitive Emission                                                                                                          | Sampling Method :     | IS 5182 Part 14     |
| Sample Mark:             | RM Stock Area                                                                                                              |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD     | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-----------------|----------------------------|
| 1.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 23.2    | IS 5182:Part 06 | 80                         |
| 2.   | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 30.9    | IS 5182 Part:24 | 60                         |
| 3.   | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 50.6    | IS 5182:Part 23 | 100                        |
| 4.   | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 12.0    | IS 5182:Part 02 | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

|               |                                                                                                                  |
|---------------|------------------------------------------------------------------------------------------------------------------|
| Verified By : | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><br><b>Authorized Signatory</b> |
|---------------|------------------------------------------------------------------------------------------------------------------|



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Address: No.17, Winterpet Post, Arakkonam, Vellore, Tamil Nadu,  
Pin code-631 005, Phone No. 04177 224932.

**TEST REPORT**

|                                   |                                                               |                      |                                                                |
|-----------------------------------|---------------------------------------------------------------|----------------------|----------------------------------------------------------------|
| Test Certificate No. & Date       | RIL/MT/2024-2025/04/0004 – 27/07/2024                         |                      |                                                                |
| Status of Report                  | Full/ Partial                                                 |                      |                                                                |
| Issue No./Amendment No.           | 01/00                                                         |                      |                                                                |
| Customer Name                     | M/s Ramco Industries Limited,                                 |                      |                                                                |
| Customer Address                  | Sipcot Industrial Area, Gangaikondan, Tirunelveli, Tamil Nadu |                      |                                                                |
| Reference No. if any              | -                                                             |                      |                                                                |
| <b><u>Sample Description:</u></b> |                                                               |                      |                                                                |
| Discipline                        | Chemical                                                      | Group/ Sub Group     | Atmospheric Pollution/ Work Environment and Indoor air quality |
| Product                           | Airborne asbestos fibres                                      | Flow Rate (ml/min)   | 1000                                                           |
| Source of Sample for testing      | Supplied by the customer                                      | Sample Receipt Date  | 24/07/2024                                                     |
| Sampling Duration                 | 240 mins                                                      | Test Started Date    | 26/07/2024                                                     |
| Quantity of Sample                | 12 Nos                                                        | Test completed Date  | 27/07/2024                                                     |
| Condition of Sample               | Acceptable                                                    | Test Method followed | IS 11450 : 2006                                                |

**TEST RESULTS OF FIBRE CONCENTRATION**

| Sl. No | Sampling Date | location                | S/P | Fibre Count (Nos) | Fibre Concentration (f/cc) |
|--------|---------------|-------------------------|-----|-------------------|----------------------------|
| 1      | 03.07.2024    | Asbestos Storage Godown | S   | 7                 | 0.015                      |
| 2      | 01.07.2024    | Bag Opening Device      | P   | 8                 | 0.018                      |
| 3      | 05.07.2024    | Slurry Mixer            | S   | 4                 | 0.009                      |
| 4      | 08.07.2024    | Sheeting Machine        | P   | 6                 | 0.013                      |
| 5      | 07.07.2024    | Corrugator              | P   | 5                 | 0.011                      |
| 6      | 11.07.2024    | Moulding Area           | P   | 4                 | 0.009                      |
| 7      | 06.07.2024    | Laboratory              | P   | 3                 | 0.007                      |
| 8      | 14.07.2024    | Loading Area            | S   | 6                 | 0.013                      |
| 9      | 10.07.2024    | Near Main Gate          | S   | 4                 | 0.009                      |
| 10     | 13.07.2024    | Segregation             | P   | 7                 | 0.015                      |
| 11     | 02.07.2024    | Salvage/Reclamation     | S   | 8                 | 0.018                      |
| 12     | 09.07.2024    | Pulverizer              | P   | 9                 | 0.020                      |

*E. Muthazhagan*

**Tested by**

**E. Muthazhagan**  
(Test Engineer)



*Rajam*  
**Authorized By**

**Kumaraguruparan**  
(Senior Manager Quality)

**\*\*\*END OF THE REPORT\*\*\***



Address: No.17, Winterpet Post, Arakkonam, Vellore, Tamil Nadu,  
Pin code-631 005, Phone No. 04177 224932.

**TEST REPORT**

|                             |                                                               |
|-----------------------------|---------------------------------------------------------------|
| Test Certificate No. & Date | RIL/MT/2024-2025/04/0004 - 27/07/2024                         |
| Status of Report            | Full/ Partial                                                 |
| Issue No./Amendment No.     | 01/00                                                         |
| Customer Name               | M/s Ramco Industries Limited,                                 |
| Customer Address            | Sipcot Industrial Area, Gangaikondan, Tirunelveli, Tamil Nadu |
| Reference No. if any        | -                                                             |

**Sample Description:**

|                              |                          |                      |                                                                |
|------------------------------|--------------------------|----------------------|----------------------------------------------------------------|
| Discipline                   | Chemical                 | Group/ Sub Group     | Atmospheric Pollution/ Work Environment and Indoor air quality |
| Product                      | Airborne asbestos fibres | Flow Rate (ml/min)   | 10000                                                          |
| Source of Sample for testing | Supplied by the customer | Sample Receipt Date  | 24/07/2024                                                     |
| Sampling Duration            | 10 mins                  | Test Started Date    | 26/07/2024                                                     |
| Quantity of Sample           | 2 Nos                    | Test completed Date  | 27/07/2024                                                     |
| Condition of Sample          | Acceptable               | Test Method followed | IS 11450 : 2006                                                |

**TEST RESULTS OF FIBRE CONCENTRATION**

| Sl. No | Sampling Date | location            | S/P | Fibre Count (Nos) | Fibre Concentration (f/cc) |
|--------|---------------|---------------------|-----|-------------------|----------------------------|
| 1      | 01.07.2024    | Fiber De-Stack      | NA  | 3                 | 0.016                      |
| 2      | 01.07.2024    | Pulverizer De-Stack | NA  | 3                 | 0.016                      |

**Tested by**  
E. Muthazhagan  
(Test Engineer)



**Authorized By**  
P. Kumaraguruparan  
(Senior Quality Manager)

\*\*\*END OF THE REPORT\*\*\*





## TEST REPORT

Accredited by NABL Chemical & Biological

|                          |                                                                                                                            |                       |                     |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-AAQ-2024/08/015                                                                                                        | Report Date :         | 09.08.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                     |
| Customer Reference :     | IWO Date: 06/08/2024                                                                                                       | Sample Reference No : | ECI-AAQ-2024/08/015 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 07.08.2024          |
| Sample Collected Date :  | 06.08.2024                                                                                                                 | Test Commenced On :   | 07.08.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                               | Test Completed On :   | 09.08.2024          |
| Sample Description :     | Ambient Air                                                                                                                | Sampling Method :     | IS 5182:Part 14     |
| Sample Mark:             | Near Main Gate                                                                                                             |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD       | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-------------------|----------------------------|
| 1.   | Ammonia (as NH <sub>3</sub> )                     | µg/m <sup>3</sup> | < 1.0   | NIOSH Method:6015 | 400                        |
| 2.   | Arsenic (as As)                                   | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 6.0                        |
| 3.   | Benzene (C <sub>6</sub> H <sub>6</sub> )          | µg/m <sup>3</sup> | < 1.0   | IS 5182:Part 11   | 5.0                        |
| 4.   | Benzo-a-Pyrene (BaP)                              | ng/m <sup>3</sup> | < 1.0   | IS 5182:Part 12   | 1.0                        |
| 5.   | Carbon Monoxide (as CO)                           | mg/m <sup>3</sup> | < 1.2   | IS 5182:Part 10   | 2.0                        |
| 6.   | Lead (as Pb)                                      | µg/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 1.0                        |
| 7.   | Nickel (as Ni)                                    | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 20                         |
| 8.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 23.9    | IS 5182:Part 06   | 80                         |
| 9.   | Ozone (as O <sub>3</sub> )                        | µg/m <sup>3</sup> | < 9.8   | IS 5182:Part 09   | 180                        |
| 10.  | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 28.6    | IS 5182 Part:24   | 60                         |
| 11.  | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 64.1    | IS 5182:Part 23   | 100                        |
| 12.  | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 15.0    | IS 5182:Part 02   | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

|               |                                                                                                           |
|---------------|-----------------------------------------------------------------------------------------------------------|
| Verified By : | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><br>Authorized Signatory |
|---------------|-----------------------------------------------------------------------------------------------------------|



#43, 2nd Street, Harvey Nagar, Arasaradi, Madurai - 625016 Tel: 0452 4355103 /203

Email: lab@envirocareindia.com | Web: www.envirocareindia.com

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## TEST REPORT

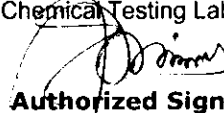
Accredited by NABL (Chemical & Biological)

|                          |                                                                                                                            |                       |                     |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-AAQ-2024/08/013                                                                                                        | Report Date :         | 09.08.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                     |
| Customer Reference :     | IWO Date: 06/08/2024                                                                                                       | Sample Reference No : | ECI-AAQ-2024/08/013 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 07.08.2024          |
| Sample Collected Date :  | 06.08.2024                                                                                                                 | Test Commenced On :   | 07.08.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                               | Test Completed On :   | 09.08.2024          |
| Sample Description :     | Ambient Air                                                                                                                | Sampling Method :     | IS 5182:Part 14     |
| Sample Mark:             | Near Stack Yard                                                                                                            |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD       | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-------------------|----------------------------|
| 1.   | Ammonia (as NH <sub>3</sub> )                     | µg/m <sup>3</sup> | < 1.0   | NIOSH Method:6015 | 400                        |
| 2.   | Arsenic (as As)                                   | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 6.0                        |
| 3.   | Benzene (C <sub>6</sub> H <sub>6</sub> )          | µg/m <sup>3</sup> | < 1.0   | IS 5182:Part 11   | 5.0                        |
| 4.   | Benzo-a-Pyrene (BaP)                              | ng/m <sup>3</sup> | < 1.0   | IS 5182:Part 12   | 1.0                        |
| 5.   | Carbon Monoxide (as CO)                           | mg/m <sup>3</sup> | < 1.2   | IS 5182:Part 10   | 2.0                        |
| 6.   | Lead (as Pb)                                      | µg/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 1.0                        |
| 7.   | Nickel (as Ni)                                    | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 20                         |
| 8.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 25.6    | IS 5182:Part 06   | 80                         |
| 9.   | Ozone (as O <sub>3</sub> )                        | µg/m <sup>3</sup> | < 9.8   | IS 5182:Part 09   | 180                        |
| 10.  | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 36.3    | IS 5182 Part:24   | 60                         |
| 11.  | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 72.0    | IS 5182:Part 23   | 100                        |
| 12.  | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 8.9     | IS 5182:Part 02   | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

|                                                                                                   |                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By :  | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><br><b>Authorized Signatory</b> |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



#43, 2nd Street, Harvey Nagar, Arasaradi, Madurai - 625016 Tel: 0452 4355103 /203  
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## TEST REPORT

Accredited by NABL : Chemical & Biological

|                          |                                                                                                                            |                       |                     |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-AAQ-2024/08/012                                                                                                        | Report Date :         | 09.08.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                     |
| Customer Reference :     | IWO Date: 06/08/2024                                                                                                       | Sample Reference No : | ECI-AAQ-2024/08/012 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 07.08.2024          |
| Sample Collected Date :  | 06.08.2024                                                                                                                 | Test Commenced On :   | 07.08.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                               | Test Completed On :   | 09.08.2024          |
| Sample Description :     | Ambient Air                                                                                                                | Sampling Method :     | IS 5182:Part 14     |
| Sample Mark:             | Near Guest House                                                                                                           |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD       | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-------------------|----------------------------|
| 1.   | Ammonia (as NH <sub>3</sub> )                     | µg/m <sup>3</sup> | < 1.0   | NIOSH Method:6015 | 400                        |
| 2.   | Arsenic (as As)                                   | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 6.0                        |
| 3.   | Benzene (C <sub>6</sub> H <sub>6</sub> )          | µg/m <sup>3</sup> | < 1.0   | IS 5182:Part 11   | 5.0                        |
| 4.   | Benzo-a-Pyrene (BaP)                              | ng/m <sup>3</sup> | < 1.0   | IS 5182:Part 12   | 1.0                        |
| 5.   | Carbon Monoxide (as CO)                           | mg/m <sup>3</sup> | < 1.2   | IS 5182:Part 10   | 2.0                        |
| 6.   | Lead (as Pb)                                      | µg/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 1.0                        |
| 7.   | Nickel (as Ni)                                    | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 20                         |
| 8.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 34.2    | IS 5182:Part 06   | 80                         |
| 9.   | Ozone (as O <sub>3</sub> )                        | µg/m <sup>3</sup> | < 9.8   | IS 5182:Part 09   | 180                        |
| 10.  | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 28.1    | IS 5182 Part:24   | 60                         |
| 11.  | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 53.6    | IS 5182:Part 23   | 100                        |
| 12.  | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 15.8    | IS 5182:Part 02   | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

Verified By :

S.d.



**For ENVIRO-CARE INDIA PRIVATE LIMITED**  
(Chemical Testing Laboratory)

Authorized Signatory

#43, 2nd Street, Harvey Nagar, Arasaradi, Madurai - 625016 Tel: 0452 4355103 /203  
Email: lab@envirocareindia.com | Web: www.envirocareindia.com

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## TEST REPORT

Accredited by NABL - Chemical & Biological

|                          |                                                                                                                            |                       |                     |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-AAQ-2024/08/014                                                                                                        | Report Date :         | 09.08.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                     |
| Customer Reference :     | IWO Date: 06/08/2024                                                                                                       | Sample Reference No : | ECI-AAQ-2024/08/014 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 07.08.2024          |
| Sample Collected Date :  | 06.08.2024                                                                                                                 | Test Commenced On :   | 07.08.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                               | Test Completed On :   | 09.08.2024          |
| Sample Description :     | Ambient Air                                                                                                                | Sampling Method :     | IS 5182:Part 14     |
| Sample Mark:             | Near Asbestos Godown                                                                                                       |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD       | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-------------------|----------------------------|
| 1.   | Ammonia (as NH <sub>3</sub> )                     | µg/m <sup>3</sup> | < 1.0   | NIOSH Method:6015 | 400                        |
| 2.   | Arsenic (as As)                                   | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 6.0                        |
| 3.   | Benzene (C <sub>6</sub> H <sub>6</sub> )          | µg/m <sup>3</sup> | < 1.0   | IS 5182:Part 11   | 5.0                        |
| 4.   | Benzo-a-Pyrene (BaP)                              | ng/m <sup>3</sup> | < 1.0   | IS 5182:Part 12   | 1.0                        |
| 5.   | Carbon Monoxide (as CO)                           | mg/m <sup>3</sup> | < 1.2   | IS 5182:Part 10   | 2.0                        |
| 6.   | Lead (as Pb)                                      | µg/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 1.0                        |
| 7.   | Nickel (as Ni)                                    | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 20                         |
| 8.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 31.4    | IS 5182:Part 06   | 80                         |
| 9.   | Ozone (as O <sub>3</sub> )                        | µg/m <sup>3</sup> | < 9.8   | IS 5182:Part 09   | 180                        |
| 10.  | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 34.6    | IS 5182 Part:24   | 60                         |
| 11.  | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 64.2    | IS 5182:Part 23   | 100                        |
| 12.  | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 14.8    | IS 5182:Part 02   | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

|                           |                                                                                     |                                                                                                                                    |
|---------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Verified By : <i>S.d.</i> |  | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><i>[Signature]</i><br><b>Authorized Signatory</b> |
|---------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|

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|                     |                                       |
|---------------------|---------------------------------------|
| <b>Sample Mark:</b> | Fibre Mill Dust Collector – (Chimney) |
|---------------------|---------------------------------------|

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.35  |
| 3.    | Stack Height from G Level     | m    | 26.0  |
| 4.    | Ambient Temperature           | °C   | 32    |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA - Not Applicable.

(Laboratory Division)

**Authorized Signatory**

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**TEST REPORT**

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|                          |                                                                                                                            |                       |                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/08/046                                                                                                         | Report Date :         | 09.08.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :     | IWO Date: 06/08/2024                                                                                                       | Sample Reference No : | ECI-SM-2024/08/046 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 07.08.2024         |
| Sample Collected Date :  | 06.08.2024                                                                                                                 | Test Commenced On :   | 07.08.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                       | Test Completed On :   | 09.08.2024         |
| Sample Description :     | Stack                                                                                                                      | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | Cement Fly Storage (Chimney)                                                                                               |                       |                    |

| Stack Details: |                               |      |       |
|----------------|-------------------------------|------|-------|
| S. No          | Details                       | Unit | Value |
| 1.             | Port hole Height from G Level | m    | 5.0   |
| 2.             | Stack Diameter at port hole   | m    | 0.35  |
| 3.             | Stack Height from G Level     | m    | 23.5  |
| 4.             | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 58      | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | < 0.2   | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 2804    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 9.8     | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 40.3    | IS 11255:Part 01 | 50                                                          |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA - Not Applicable.

<--- End of Report --->

Verified By

For ENVIRO CARE INDIA PRIVATE LIMITED  
(Laboratory Division)  
  
Authorized Signatory

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## TEST REPORT

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|                          |                                                                                                                            |                       |                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/08/049                                                                                                         | Report Date :         | 09.08.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :     | IWO Date: 06/08/2024                                                                                                       | Sample Reference No : | ECI-SM-2024/08/049 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 07.08.2024         |
| Sample Collected Date :  | 06.08.2024                                                                                                                 | Test Commenced On :   | 07.08.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                       | Test Completed On :   | 09.08.2024         |
| Sample Description :     | Stack                                                                                                                      | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | DG 750 KVA - (Chimney)                                                                                                     |                       |                    |

### Stack Details:

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.30  |
| 3.    | Stack Height from G Level     | m    | 15.0  |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 196     | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | <0.2    | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | <0.2    | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 1418    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 9.6     | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | 30.2    | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 43.8    | IS 11255:Part 01 | 50                                                          |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | 13.4    | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards

NA – Not Applicable.

<--- End of Report --->

|                                                                                                 |                                                                                             |                                                                                                                                                                                |
|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By  | <br>-16- | For ENVIRO CARE INDIA PRIVATE LIMITED<br>(Laboratory Division)<br><br>Authorized Signatory |
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## TEST REPORT

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|                          |                                                                                                                            |                       |                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/08/051                                                                                                         | Report Date :         | 09.08.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :     | IWO Date: 06/08/2024                                                                                                       | Sample Reference No : | ECI-SM-2024/08/051 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 07.08.2024         |
| Sample Collected Date :  | 06.08.2024                                                                                                                 | Test Commenced On :   | 07.08.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln.                                                                                                      | Test Completed On :   | 09.08.2024         |
| Sample Description :     | Stack                                                                                                                      | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | DG 380 KVA - (Chimney)                                                                                                     |                       |                    |

### Stack Details:

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.30  |
| 3.    | Stack Height from G Level     | m    | 6.0   |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 153     | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | <0.2    | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 1743    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 10.7    | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | 35.2    | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 39.6    | IS 11255:Part 01 | 50                                                          |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | 21.8    | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA Not Applicable.

---- End of Report ----

For ENVIRO CARE INDIA PRIVATE LIMITED  
(Laboratory Division)

Verified By

*S. d.*



Authorized Signatory

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## TEST REPORT

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|                          |                                                                                                                            |                       |                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/08/048                                                                                                         | Report Date :         | 09.08.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :     | IWO Date: 06/08/2024                                                                                                       | Sample Reference No : | ECI-SM-2024/08/048 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 07.08.2024         |
| Sample Collected Date :  | 06.08.2024                                                                                                                 | Test Commenced On :   | 07.08.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                       | Test Completed On :   | 09.08.2024         |
| Sample Description :     | Stack                                                                                                                      | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | Pulverizer Dust Collector (Chimney)                                                                                        |                       |                    |

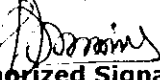
### Stack Details:

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 6.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.40  |
| 3.    | Stack Height from G Level     | m    | 9.0   |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 77      | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | < 0.2   | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 3490    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 9.9     | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 1.8     | IS 11255:Part 01 | 2.0                                                         |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA – Not Applicable.

<--- End of Report --->

|                                                                                                 |                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By  | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Laboratory Division)<br><br>Authorized Signatory |
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## TEST REPORT

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|                          |                                                                                                                            |                       |                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/08/050                                                                                                         | Report Date :         | 09.08.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :     | IWO Date: 06/08/2024                                                                                                       | Sample Reference No : | ECI-SM-2024/08/050 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 07.08.2024         |
| Sample Collected Date :  | 06.08.2024                                                                                                                 | Test Commenced On :   | 07.08.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                       | Test Completed On :   | 09.08.2024         |
| Sample Description :     | Stack                                                                                                                      | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | Diesel Fired Drier-Silencer(Diesel)                                                                                        |                       |                    |

### Stack Details:

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.30  |
| 3.    | Stack Height from G Level     | m    | 6.0   |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 172     | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | <0.2    | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 1498    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 9.6     | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | 33.9    | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 47.7    | IS 11255:Part 01 | 50                                                          |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | 20.5    | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA – Not Applicable.

<--- End of Report --->

|                                                                                                 |                                                                                     |                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By  |  | For <b>ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Laboratory Division)<br><br>Authorized Signatory |
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## TEST REPORT

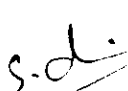
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|                         |                                                                                                                            |                       |                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :             | ECI-NM-2024/08/014                                                                                                         | Report Date :         | 09.08.2024         |
| Customer Name & Address | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :    | IWO Date: 06/08/2024                                                                                                       | Sample Reference No : | ECI-NM-2024/08/014 |
| Sample Description :    | Noise                                                                                                                      | Monitoring Date :     | 06.08.2024         |
| Monitored By :          | ECI                                                                                                                        | Data Received On :    | 07.08.2024         |

| S.No                                                     | Locations              | Day Time |         |
|----------------------------------------------------------|------------------------|----------|---------|
|                                                          |                        | Minimum  | Maximum |
| 1.                                                       | Near Main Gate         | 63.2     | 65.0    |
| 2.                                                       | Admin Office Area      | 62.1     | 63.5    |
| 3.                                                       | Stack Yard Area        | 56.2     | 58.6    |
| 4.                                                       | Toilet Area            | 60.3     | 62.9    |
| 5.                                                       | Canteen Area           | 65.3     | 66.4    |
| 6.                                                       | DG Room                | 82.2     | 83.7    |
| 7.                                                       | Main Machine Area      | 87.2     | 89.3    |
| 8.                                                       | RM Section             | 76.2     | 78.4    |
| 9.                                                       | Stripping Machine Area | 86.4     | 88.7    |
| 10.                                                      | Work Shop Area         | 74.2     | 78.6    |
| Unit                                                     |                        | dB (A)   |         |
| Max. Permissible Limit for Noise (Factories Rules, 1950) |                        | 90       |         |
| Reference Method                                         |                        | IS 9989  |         |

**Opinion:** In the above mentioned locations meets the requirements of Factories Act Rules

<--- End of Report --->

|                                                                                                   |                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By :  | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><br><b>Authorized Signatory</b> |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



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6. Any dispute arising out of this report is subjected to Madurai Jurisdiction Only.





## TEST REPORT

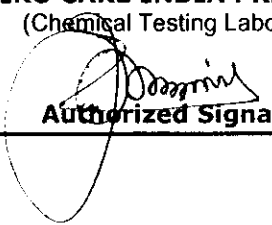
Accredited by NABL - Chemical & Biological

|                         |                                                                                                                            |                       |                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :             | ECI-NM-2024/08/015                                                                                                         | Report Date :         | 09.08.2024         |
| Customer Name & Address | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :    | IWO Date: 06/08/2024                                                                                                       | Sample Reference No : | ECI-NM-2024/08/015 |
| Sample Description :    | Noise                                                                                                                      | Monitoring Date :     | 06.08.2024         |
| Monitored By :          | ECI                                                                                                                        | Data Received On :    | 07.08.2024         |

| S.No                                                     | Locations              | Night Time |         |
|----------------------------------------------------------|------------------------|------------|---------|
|                                                          |                        | Minimum    | Maximum |
| 1.                                                       | Near Main Gate         | 56.3       | 57.0    |
| 2.                                                       | Admin Office Area      | 58.0       | 61.3    |
| 3.                                                       | Stack Yard Area        | 53.1       | 55.4    |
| 4.                                                       | Toilet Area            | 54.2       | 56.3    |
| 5.                                                       | Canteen Area           | 49.5       | 53.2    |
| 6.                                                       | DG Room                | 61.2       | 64.5    |
| 7.                                                       | Main Machine Area      | 83.2       | 85.4    |
| 8.                                                       | RM Section             | 64.2       | 63.9    |
| 9.                                                       | Stripping Machine Area | 69.6       | 70.2    |
| 10.                                                      | Work Shop Area         | 61.3       | 63.0    |
| Unit                                                     |                        | dB (A)     |         |
| Max. Permissible Limit for Noise (Factories Rules, 1950) |                        | 90         |         |
| Reference Method                                         |                        | IS 9989    |         |

**Opinion :** In the above mentioned locations meets the requirements of Factories Act Rules.

<--- End of Report --->

|                                                                                                   |                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By :  | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><br><b>Authorized Signatory</b> |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



#43, 2nd Street, Harvey Nagar, Arasaradi, Madurai - 625016 Tel: 0452 4355103 /203  
Email: lab@envirocareindia.com | Web: www.envirocareindia.com

- Note :
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  - Any Correction or non attested shall void the data in this report.
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## TEST REPORT

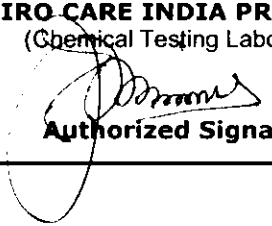
Accredited by NABL - Chemical & Biological

|                          |                                                                                                                            |                       |                     |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-IAQ-2024/08/011                                                                                                        | Report Date :         | 09.08.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                     |
| Customer Reference :     | IWO Date: 06/08/2024                                                                                                       | Sample Reference No : | ECI-IAQ-2024/08/011 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 07.08.2024          |
| Sample Collected Date :  | 06.08.2024                                                                                                                 | Test Commenced On :   | 07.08.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                               | Test Completed On :   | 09.08.2024          |
| Sample Description :     | Fugitive Emission                                                                                                          | Sampling Method :     | IS 5182 Part 14     |
| Sample Mark:             | RM Stock Area                                                                                                              |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD     | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-----------------|----------------------------|
| 1.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 25.7    | IS 5182:Part 06 | 80                         |
| 2.   | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 32.5    | IS 5182 Part:24 | 60                         |
| 3.   | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 52.9    | IS 5182:Part 23 | 100                        |
| 4.   | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 14.1    | IS 5182:Part 02 | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

|                           |                                                                                                                                                                                                      |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By : <i>S.d.</i> | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><br><b>Authorized Signatory</b> |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



#43, 2nd Street, Harvey Nagar, Arasaradi, Madurai - 625016 Tel: 0452 4355103 /203

Email: [lab@envirocareindia.com](mailto:lab@envirocareindia.com) | Web: [www.envirocareindia.com](http://www.envirocareindia.com)

- Note:
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  2. Any Correction or not attested shall invalidate this report.
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  5. Total liability of our laboratory is limited to the invoice amount.
  6. Any dispute arising out of this report is subjected to Madurai Jurisdiction Only.





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|                          |                                                                                                                            |                       |                     |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-IAQ-2024/08/012                                                                                                        | Report Date :         | 09.08.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                     |
| Customer Reference :     | IWO Date: 06/08/2024                                                                                                       | Sample Reference No : | ECI-IAQ-2024/08/012 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 07.08.2024          |
| Sample Collected Date :  | 06.08.2024                                                                                                                 | Test Commenced On :   | 07.08.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                               | Test Completed On :   | 09.08.2024          |
| Sample Description :     | Fugitive Emission                                                                                                          | Sampling Method :     | IS 5182 Part 14     |
| Sample Mark:             | Cement & Fly Ash Handling Area                                                                                             |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD     | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-----------------|----------------------------|
| 1.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 31.5    | IS 5182:Part 06 | 80                         |
| 2.   | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 27.0    | IS 5182 Part:24 | 60                         |
| 3.   | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 65.2    | IS 5182:Part 23 | 100                        |
| 4.   | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 16.7    | IS 5182:Part 02 | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

**For ENVIRO CARE INDIA PRIVATE LIMITED**  
(Chemical Testing Laboratory)

**Verified By :**



**Authorized Signatory**

**#43, 2nd Street, Harvey Nagar, Arasaradi, Madurai - 625016 Tel: 0452 4355103 /203**  
**Email: [lab@envirocareindia.com](mailto:lab@envirocareindia.com) | Web: [www.envirocareindia.com](http://www.envirocareindia.com)**

- e. The report is available only to the test tested.  
 f. The Correction is not attested and is a date in the report.  
 g. Backlog data is not reproduced and is not expected to be and in the same format without the permission of the laboratory.  
 h. The information provided by customer test items will not be retained for more than 15 days from date of issue of test report.  
 i. The liability of our laboratory is limited to the invoice amount.  
 j. The report is available only to the test tested and is subject to Madras Jurisdiction Only.



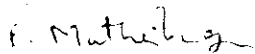
Address: No.17, Winterpet Post, Arakkonam, Vellore, Tamil Nadu,  
Pin code-631 005, Phone No. 04177 224932.

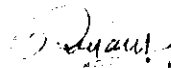
## TEST REPORT

|                                   |                                                               |                      |                                                                |
|-----------------------------------|---------------------------------------------------------------|----------------------|----------------------------------------------------------------|
| Test Certificate No. & Date       | RIL/MT/2024-2025/06/0004 - 26/09/2024                         |                      |                                                                |
| Status of Report                  | Full/ <del>Partial</del>                                      |                      |                                                                |
| Issue No./Amendment No.           | 01/00                                                         |                      |                                                                |
| Customer Name                     | M/s Ramco Industries Limited,                                 |                      |                                                                |
| Customer Address                  | Sipcot Industrial Area, Gangaikondan, Tirunelveli, Tamil Nadu |                      |                                                                |
| Reference No. if any              | -                                                             |                      |                                                                |
| <b><u>Sample Description:</u></b> |                                                               |                      |                                                                |
| Discipline                        | Chemical                                                      | Group/ Sub Group     | Atmospheric Pollution/ Work Environment and Indoor air quality |
| Product                           | Airborne asbestos fibres                                      | Flow Rate (ml/min)   | 1000                                                           |
| Source of Sample for testing      | Supplied by the customer                                      | Sample Receipt Date  | 24/09/2024                                                     |
| Sampling Duration                 | 240 mins                                                      | Test Started Date    | 25/09/2024                                                     |
| Quantity of Sample                | 12 Nos                                                        | Test completed Date  | 26/09/2024                                                     |
| Condition of Sample               | Acceptable                                                    | Test Method followed | IS 11450 : 2006                                                |

## TEST RESULTS OF FIBRE CONCENTRATION

| Sl. No | Sampling Date | location                | S/P | Fibre Count (Nos) | Fibre Concentration (f/cc) |
|--------|---------------|-------------------------|-----|-------------------|----------------------------|
| 1      | 01.08.2024    | Asbestos Storage Godown | S   | 9                 | 0.020                      |
| 2      | 05.08.2024    | Bag Opening Device      | P   | 10                | 0.022                      |
| 3      | 04.08.2024    | Slurry Mixer            | S   | 6                 | 0.013                      |
| 4      | 02.08.2024    | Sheeting Machine        | P   | 7                 | 0.015                      |
| 5      | 06.08.2024    | Corrugator              | P   | 7                 | 0.015                      |
| 6      | 03.08.2024    | Moulding Area           | P   | 5                 | 0.011                      |
| 7      | 04.08.2024    | Laboratory              | P   | 4                 | 0.009                      |
| 8      | 02.08.2024    | Loading Area            | S   | 6                 | 0.013                      |
| 9      | 03.08.2024    | Near Main Gate          | S   | 5                 | 0.011                      |
| 10     | 07.08.2024    | Segregation             | P   | 5                 | 0.011                      |
| 11     | 05.08.2024    | Salvage/Reclamation     | S   | 8                 | 0.018                      |
| 12     | 08.08.2024    | Pulverizer              | P   | 8                 | 0.018                      |

  
**Tested by**  
E. Muthazhagan  
(Test Engineer)

  
**Authorized By**  
P. Kumaraguruparan  
(Senior Manager Quality)

\*\*\*END OF THE REPORT\*\*\*



Address: No.17, Winterpet Post, Arakkonam, Vellore, Tamil Nadu,  
Pin code-631 005, Phone-No. 04177 224932.

**TEST REPORT**

|                             |                                                               |
|-----------------------------|---------------------------------------------------------------|
| Test Certificate No. & Date | RIL/MT/2024-2025/06/0004A - 26/09/2024                        |
| Status of Report            | Full/ Partial                                                 |
| Issue No./Amendment No.     | 01/00                                                         |
| Customer Name               | M/s Ramco Industries Limited,                                 |
| Customer Address            | Sipcot Industrial Area, Gangaikondan, Tirunelveli, Tamil Nadu |
| Reference No. if any        | -                                                             |

**Sample Description:**

|                              |                          |                      |                                                                |
|------------------------------|--------------------------|----------------------|----------------------------------------------------------------|
| Discipline                   | Chemical                 | Group/ Sub Group     | Atmospheric Pollution/ Work Environment and Indoor air quality |
| Product                      | Airborne asbestos fibres | Flow Rate (ml/min)   | 10000                                                          |
| Source of Sample for testing | Supplied by the customer | Sample Receipt Date  | 24/09/2024                                                     |
| Sampling Duration            | 10 mins                  | Test Started Date    | 25/09/2024                                                     |
| Quantity of Sample           | 2 Nos                    | Test completed Date  | 26/09/2024                                                     |
| Condition of Sample          | Acceptable               | Test Method followed | IS 11450 : 2006                                                |

**TEST RESULTS OF FIBRE CONCENTRATION**

| Sl. No | Sampling Date | location            | S/P | Fibre Count (Nos) | Fibre Concentration (f/cc) |
|--------|---------------|---------------------|-----|-------------------|----------------------------|
| 1      | 02.08.2024    | Fiber De-Stack      | NA  | 2                 | 0.011                      |
| 2      | 02.08.2024    | Pulverizer De-Stack | NA  | 3                 | 0.016                      |

**Tested by**

E. Muthazhagan  
(Test Engineer)

**Authorized By**

P. Kumaraguruparan  
(Senior Quality Manager)

**\*\*\*END OF THE REPORT\*\*\***





## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                            |                       |                     |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-AAQ-2024/09/004                                                                                                        | Report Date :         | 06.09.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                     |
| Customer Reference :     | IWO Date: 03/09/2024                                                                                                       | Sample Reference No : | ECI-AAQ-2024/09/004 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 03.09.2024          |
| Sample Collected Date :  | 03.09.2024                                                                                                                 | Test Commenced On :   | 03.09.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                               | Test Completed On :   | 06.09.2024          |
| Sample Description :     | Ambient Air                                                                                                                | Sampling Method :     | IS 5182:Part 14     |
| Sample Mark:             | Near Main Gate                                                                                                             |                       |                     |

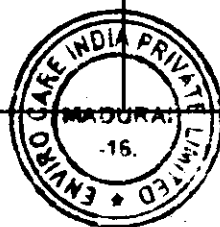
| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD       | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-------------------|----------------------------|
| 1.   | Ammonia (as NH <sub>3</sub> )                     | µg/m <sup>3</sup> | < 1.0   | NIOSH Method:6015 | 400                        |
| 2.   | Arsenic (as As)                                   | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 6.0                        |
| 3.   | Benzene (C <sub>6</sub> H <sub>6</sub> )          | µg/m <sup>3</sup> | < 1.0   | IS 5182:Part 11   | 5.0                        |
| 4.   | Benzo-a-Pyrene (BaP)                              | ng/m <sup>3</sup> | < 1.0   | IS 5182:Part 12   | 1.0                        |
| 5.   | Carbon Monoxide (as CO)                           | mg/m <sup>3</sup> | < 1.2   | IS 5182:Part 10   | 2.0                        |
| 6.   | Lead (as Pb)                                      | µg/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 1.0                        |
| 7.   | Nickel (as Ni)                                    | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 20                         |
| 8.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 25.6    | IS 5182:Part 06   | 80                         |
| 9.   | Ozone (as O <sub>3</sub> )                        | µg/m <sup>3</sup> | < 9.8   | IS 5182:Part 09   | 180                        |
| 10.  | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 30.3    | IS 5182 Part:24   | 60                         |
| 11.  | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 67.9    | IS 5182:Part 23   | 100                        |
| 12.  | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 17.2    | IS 5182:Part 02   | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

Verified By :

*S.d.*



For ENVIRO CARE INDIA PRIVATE LIMITED  
(Chemical Testing Laboratory)

Authorized Signatory

#43, 2nd Street, Harvey Nagar, Arasaradi, Madurai - 625016 Tel: 0452 4355103 /203

Email: lab@envirocareindia.com | Web: www.envirocareindia.com

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## TEST REPORT

Accredited by NABL (Chemical & Biological)

|                          |                                                                                                                            |                       |                     |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-AAQ-2024/09/002                                                                                                        | Report Date :         | 06.09.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                     |
| Customer Reference :     | IWO Date: 03/09/2024                                                                                                       | Sample Reference No : | ECI-AAQ-2024/09/002 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 03.09.2024          |
| Sample Collected Date :  | 03.09.2024                                                                                                                 | Test Commenced On :   | 03.09.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                               | Test Completed On :   | 06.09.2024          |
| Sample Description :     | Ambient Air                                                                                                                | Sampling Method :     | IS 5182:Part 14     |
| Sample Mark:             | Near Stack Yard                                                                                                            |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD       | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-------------------|----------------------------|
| 1.   | Ammonia (as NH <sub>3</sub> )                     | µg/m <sup>3</sup> | < 1.0   | NIOSH Method:6015 | 400                        |
| 2.   | Arsenic (as As)                                   | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 6.0                        |
| 3.   | Benzene (C <sub>6</sub> H <sub>6</sub> )          | µg/m <sup>3</sup> | < 1.0   | IS 5182:Part 11   | 5.0                        |
| 4.   | Benzo-a-Pyrene (BaP)                              | ng/m <sup>3</sup> | < 1.0   | IS 5182:Part 12   | 1.0                        |
| 5.   | Carbon Monoxide (as CO)                           | mg/m <sup>3</sup> | < 1.2   | IS 5182:Part 10   | 2.0                        |
| 6.   | Lead (as Pb)                                      | µg/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 1.0                        |
| 7.   | Nickel (as Ni)                                    | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 20                         |
| 8.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 27.9    | IS 5182:Part 06   | 80                         |
| 9.   | Ozone (as O <sub>3</sub> )                        | µg/m <sup>3</sup> | < 9.8   | IS 5182:Part 09   | 180                        |
| 10.  | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 34.6    | IS 5182:Part 24   | 60                         |
| 11.  | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 70.3    | IS 5182:Part 23   | 100                        |
| 12.  | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 11.4    | IS 5182:Part 02   | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

|                             |                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Verified By : <i>S.C.L.</i> | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><i>[Signature]</i><br>Authorized Signatory |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------|



#43, 2nd Street, Harvey Nagar, Arasaradi, Madurai - 625016 Tel: 0452 4355103 /203  
Email: lab@envirocareindia.com | Web: www.envirocareindia.com

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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                            |                       |                     |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-AAQ-2024/09/001                                                                                                        | Report Date :         | 06.09.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                     |
| Customer Reference :     | IWO Date: 03/09/2024                                                                                                       | Sample Reference No : | ECI-AAQ-2024/09/001 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 03.09.2024          |
| Sample Collected Date :  | 03.09.2024                                                                                                                 | Test Commenced On :   | 03.09.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                               | Test Completed On :   | 06.09.2024          |
| Sample Description :     | Ambient Air                                                                                                                | Sampling Method :     | IS 5182:Part 14     |
| Sample Mark:             | Near Guest House                                                                                                           |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD       | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-------------------|----------------------------|
| 1.   | Ammonia (as NH <sub>3</sub> )                     | µg/m <sup>3</sup> | < 1.0   | NIOSH Method:6015 | 400                        |
| 2.   | Arsenic (as As)                                   | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 6.0                        |
| 3.   | Benzene (C <sub>6</sub> H <sub>6</sub> )          | µg/m <sup>3</sup> | < 1.0   | IS 5182:Part 11   | 5.0                        |
| 4.   | Benzo-a-Pyrene (BaP)                              | ng/m <sup>3</sup> | < 1.0   | IS 5182:Part 12   | 1.0                        |
| 5.   | Carbon Monoxide (as CO)                           | mg/m <sup>3</sup> | < 1.2   | IS 5182:Part 10   | 2.0                        |
| 6.   | Lead (as Pb)                                      | µg/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 1.0                        |
| 7.   | Nickel (as Ni)                                    | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 20                         |
| 8.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 36.5    | IS 5182:Part 06   | 80                         |
| 9.   | Ozone (as O <sub>3</sub> )                        | µg/m <sup>3</sup> | < 9.8   | IS 5182:Part 09   | 180                        |
| 10.  | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 31.4    | IS 5182 Part:24   | 60                         |
| 11.  | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 56.9    | IS 5182:Part 23   | 100                        |
| 12.  | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 17.2    | IS 5182:Part 02   | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

|               |                                                                                                           |
|---------------|-----------------------------------------------------------------------------------------------------------|
| Verified By : | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><br>Authorized Signatory |
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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                            |                       |                     |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-AAQ-2024/09/003                                                                                                        | Report Date :         | 06.09.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                     |
| Customer Reference :     | IWO Date: 03/09/2024                                                                                                       | Sample Reference No : | ECI-AAQ-2024/09/003 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 03.09.2024          |
| Sample Collected Date :  | 03.09.2024                                                                                                                 | Test Commenced On :   | 03.09.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                               | Test Completed On :   | 06.09.2024          |
| Sample Description :     | Ambient Air                                                                                                                | Sampling Method :     | IS 5182:Part 14     |
| Sample Mark:             | Near Asbestos Godown                                                                                                       |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD       | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-------------------|----------------------------|
| 1.   | Ammonia (as NH <sub>3</sub> )                     | µg/m <sup>3</sup> | < 1.0   | NIOSH Method:6015 | 400                        |
| 2.   | Arsenic (as As)                                   | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 6.0                        |
| 3.   | Benzene (C <sub>6</sub> H <sub>6</sub> )          | µg/m <sup>3</sup> | < 1.0   | IS 5182:Part 11   | 5.0                        |
| 4.   | Benzo-a-Pyrene (BaP)                              | ng/m <sup>3</sup> | < 1.0   | IS 5182:Part 12   | 1.0                        |
| 5.   | Carbon Monoxide (as CO)                           | mg/m <sup>3</sup> | < 1.2   | IS 5182:Part 10   | 2.0                        |
| 6.   | Lead (as Pb)                                      | µg/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 1.0                        |
| 7.   | Nickel (as Ni)                                    | ng/m <sup>3</sup> | < 0.1   | IS 5182:Part 22   | 20                         |
| 8.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 33.4    | IS 5182:Part 06   | 80                         |
| 9.   | Ozone (as O <sub>3</sub> )                        | µg/m <sup>3</sup> | < 9.8   | IS 5182:Part 09   | 180                        |
| 10.  | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 37.2    | IS 5182 Part:24   | 60                         |
| 11.  | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 66.7    | IS 5182:Part 23   | 100                        |
| 12.  | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 16.9    | IS 5182:Part 02   | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

|                             |                                                                                                                                    |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Verified By : <i>S. cl.</i> | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><i>[Signature]</i><br><b>Authorized Signatory</b> |
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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

|                          |                                                                                                                            |                       |                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/09/002                                                                                                         | Report Date :         | 06.09.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :     | IWO Date: 03/09/2024                                                                                                       | Sample Reference No : | ECI-SM-2024/09/002 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 03.09.2024         |
| Sample Collected Date :  | 03.09.2024                                                                                                                 | Test Commenced On :   | 03.09.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                       | Test Completed On :   | 06.09.2024         |
| Sample Description :     | Stack                                                                                                                      | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | Fibre Mill Dust Collector – (Chimney)                                                                                      |                       |                    |

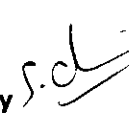
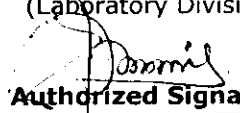
### Stack Details:

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.35  |
| 3.    | Stack Height from G Level     | m    | 26.0  |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 88      | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | < 0.2   | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 2899    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 9.9     | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 1.8     | IS 11255:Part 01 | 2.0                                                         |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA - Not Applicable.

<--- End of Report --->

|                                                                                                 |                                                                                     |                                                                                                                                                                                |
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## TEST REPORT

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|                          |                                                                                                                            |                       |                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/09/001                                                                                                         | Report Date :         | 06.09.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :     | IWO Date: 03/09/2024                                                                                                       | Sample Reference No : | ECI-SM-2024/09/001 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 03.09.2024         |
| Sample Collected Date :  | 03.09.2024                                                                                                                 | Test Commenced On :   | 03.09.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                       | Test Completed On :   | 06.09.2024         |
| Sample Description :     | Stack                                                                                                                      | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | Cement Fly Storage (Chimney)                                                                                               |                       |                    |

### Stack Details:

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.35  |
| 3.    | Stack Height from G Level     | m    | 23.5  |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 57      | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | < 0.2   | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 3158    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 9.9     | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 42.9    | IS 11255:Part 01 | 50                                                          |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA – Not Applicable.

<--- End of Report --->

|                         |  |                                                                                                              |
|-------------------------|--|--------------------------------------------------------------------------------------------------------------|
| Verified By <i>S.d.</i> |  | For ENVIRO CARE INDIA PRIVATE LIMITED<br>(Laboratory Division)<br><i>[Signature]</i><br>Authorized Signatory |
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(Certified by ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018)

## TEST REPORT

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|                          |                                                                                                                            |                       |                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/09/004                                                                                                         | Report Date :         | 06.09.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :     | IWO Date: 03/09/2024                                                                                                       | Sample Reference No : | ECI-SM-2024/09/004 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 03.09.2024         |
| Sample Collected Date :  | 03.09.2024                                                                                                                 | Test Commenced On :   | 03.09.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                       | Test Completed On :   | 06.09.2024         |
| Sample Description :     | Stack                                                                                                                      | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | DG 750 KVA - (Chimney)                                                                                                     |                       |                    |

### Stack Details:

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.30  |
| 3.    | Stack Height from G Level     | m    | 15.0  |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 188     | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | <0.2    | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | <0.2    | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 1733    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 10.3    | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | 32.8    | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 45.2    | IS 11255:Part 01 | 50                                                          |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | 15.6    | IS 11255:Part 02 | NA                                                          |

**Conclusion :** In the above mentioned Parameter meets the requirements of TNPCB standards

A -- Not Applicable.

<--- End of Report --->

|                         |  |                                                                                                           |
|-------------------------|--|-----------------------------------------------------------------------------------------------------------|
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## TEST REPORT

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|                          |                                                                                                                            |                       |                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/09/006                                                                                                         | Report Date :         | 06.09.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :     | IWO Date: 03/09/2024                                                                                                       | Sample Reference No : | ECI-SM-2024/09/006 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 03.09.2024         |
| Sample Collected Date :  | 03.09.2024                                                                                                                 | Test Commenced On :   | 03.09.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                       | Test Completed On :   | 06.09.2024         |
| Sample Description :     | Stack                                                                                                                      | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | DG 380 KVA - (Chimney)                                                                                                     |                       |                    |

### Stack Details:

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.30  |
| 3.    | Stack Height from G Level     | m    | 6.0   |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 170     | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | <0.2    | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 1614    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 9.2     | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | 32.8    | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 42.5    | IS 11255:Part 01 | 50                                                          |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | 19.0    | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA - Not Applicable.

<--- End of Report --->

|             |                                                                                            |
|-------------|--------------------------------------------------------------------------------------------|
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## TEST REPORT

Accredited by NABL | Chemical & Biological

|                          |                                                                                                                            |                       |                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/09/003                                                                                                         | Report Date :         | 06.09.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :     | IWO Date: 03/09/2024                                                                                                       | Sample Reference No : | ECI-SM-2024/09/003 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 03.09.2024         |
| Sample Collected Date :  | 03.09.2024                                                                                                                 | Test Commenced On :   | 03.09.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                       | Test Completed On :   | 06.09.2024         |
| Sample Description :     | Stack                                                                                                                      | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | Pulverizer Dust Collector (Chimney)                                                                                        |                       |                    |

### Stack Details:

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 6.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.40  |
| 3.    | Stack Height from G Level     | m    | 9.0   |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 69      | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | < 0.2   | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 3945    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 9.8     | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 1.6     | IS 11255:Part 01 | 2.0                                                         |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | < 1.0   | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards

NA -- Not Applicable.

<--- End of Report --->

|                         |                                                                                     |                                                                                                              |
|-------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Verified By <i>S.d.</i> |  | For ENVIRO CARE INDIA PRIVATE LIMITED<br>(Laboratory Division)<br><i>[Signature]</i><br>Authorized Signatory |
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## TEST REPORT

Accredited by NABL (Chemical & Biological)

|                          |                                                                                                                            |                       |                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :              | ECI-SM-2024/09/005                                                                                                         | Report Date :         | 06.09.2024         |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :     | IWO Date: 03/09/2024                                                                                                       | Sample Reference No : | ECI-SM-2024/09/005 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 03.09.2024         |
| Sample Collected Date :  | 03.09.2024                                                                                                                 | Test Commenced On :   | 03.09.2024         |
| Qty of Sample Received : | Thimble & 50 ml Soln                                                                                                       | Test Completed On :   | 06.09.2024         |
| Sample Description :     | Stack                                                                                                                      | Sampling Method :     | IS 11255 :Part 01  |
| Sample Mark:             | Diesel Fired Drier-Silencer(Diesel)                                                                                        |                       |                    |

### Stack Details:

| S. No | Details                       | Unit | Value |
|-------|-------------------------------|------|-------|
| 1.    | Port hole Height from G Level | m    | 5.0   |
| 2.    | Stack Diameter at port hole   | m    | 0.30  |
| 3.    | Stack Height from G Level     | m    | 6.0   |
| 4.    | Ambient Temperature           | °C   | 32    |

| S. No | PARAMETERS                               | UNITS               | RESULTS | TEST METHOD      | Max. Permissible TNPCB norms for General Emission Standards |
|-------|------------------------------------------|---------------------|---------|------------------|-------------------------------------------------------------|
| 1.    | Stack Temperature                        | °C                  | 160     | IS 11255:Part 03 | NA                                                          |
| 2.    | Carbon dioxide (as CO <sub>2</sub> )     | % (v/v)             | < 0.2   | IS 13270         | NA                                                          |
| 3.    | Carbon Monoxide (as CO)                  | % (v/v)             | <0.2    | IS 13270         | 1.0                                                         |
| 4.    | Flow rate                                | Nm <sup>3</sup> /hr | 1773    | IS 11255:Part 03 | NA                                                          |
| 5.    | Flue Gas velocity                        | m/sec               | 9.9     | IS 11255:Part 03 | NA                                                          |
| 6.    | Oxides of Nitrogen (as NO <sub>x</sub> ) | mg/Nm <sup>3</sup>  | 35.8    | IS 11255:Part 07 | NA                                                          |
| 7.    | Particulate Matter (PM)                  | mg/Nm <sup>3</sup>  | 45.6    | IS 11255:Part 01 | 50                                                          |
| 8.    | Sulphur Dioxide (as SO <sub>2</sub> )    | mg/Nm <sup>3</sup>  | 22.3    | IS 11255:Part 02 | NA                                                          |

**Opinion :** In the above mentioned Parameter meets the requirements of TNPCB standards  
NA -- Not Applicable.

<--- End of Report --->

For ENVIRO CARE INDIA PRIVATE LIMITED  
(Laboratory Division)

Verified By

S.C.L.



Authorized Signatory

#43, 2nd Street, Harvey Nagar, Arasara, Madurai - 625016 Tel: 0452 4355103 /203  
Email: lab@envirocareindia.com | Web: www.envirocareindia.com

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## TEST REPORT

Accredited by NABL ( Chemical & Biological )

| Report No :                                              | ECI-NM-2024/09/001                                                                                                          | Report Date :         | 06.09.2024         |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Customer Name & Address                                  | M/s. Ramco Industries Ltd<br>Plot No: 12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :                                     | IWO Date: 03/09/2024                                                                                                        | Sample Reference No : | ECI-NM-2024/09/001 |
| Sample Description :                                     | Noise                                                                                                                       | Monitoring Date :     | 03.09.2024         |
| Monitored By :                                           | ECI                                                                                                                         | Data Received On :    | 03.09.2024         |
| S.No                                                     | Locations                                                                                                                   | Day Time              |                    |
|                                                          |                                                                                                                             | Minimum               | Maximum            |
| 1.                                                       | Near Main Gate                                                                                                              | 61.2                  | 62.7               |
| 2.                                                       | Admin Office Area                                                                                                           | 58.5                  | 59.3               |
| 3.                                                       | Stack Yard Area                                                                                                             | 60.2                  | 61.5               |
| 4.                                                       | Toilet Area                                                                                                                 | 61.3                  | 62.0               |
| 5.                                                       | Canteen Area                                                                                                                | 64.4                  | 65.0               |
| 6.                                                       | DG Room                                                                                                                     | 76.8                  | 79.3               |
| 7.                                                       | Main Machine Area                                                                                                           | 88.4                  | 89.3               |
| 8.                                                       | RM Section                                                                                                                  | 78.2                  | 80.1               |
| 9.                                                       | Stripping Machine Area                                                                                                      | 87.2                  | 88.3               |
| 10.                                                      | Work Shop Area                                                                                                              | 75.3                  | 77.2               |
| Unit                                                     |                                                                                                                             | dB (A)                |                    |
| Max. Permissible Limit for Noise (Factories Rules, 1950) |                                                                                                                             | 90                    |                    |
| Reference Method                                         |                                                                                                                             | IS 9989               |                    |

**Opinion:** In the above mentioned locations meets the requirements of Factories Act Rules

<--- End of Report --->

Verified By :

*SCL*



For **ENVIRO CARE INDIA PRIVATE LIMITED**  
(Chemical Testing Laboratory)

*[Signature]*  
Authorized Signatory

#43, 2nd Street, Harvey Nagar, Arasaradi, Madurai - 625016 Tel: 0452 4355103 /203

Email: lab@envirocareindia.com | Web: www.envirocareindia.com

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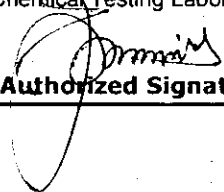
## TEST REPORT

Accredited by NABL (Chemical & Biological)

|                                                          |                                                                                                                            |                       |                    |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| Report No :                                              | ECI-NM-2024/09/002                                                                                                         | Report Date :         | 06.09.2024         |
| Customer Name & Address                                  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                    |
| Customer Reference :                                     | IWO Date: 03/09/2024                                                                                                       | Sample Reference No : | ECI-NM-2024/09/002 |
| Sample Description :                                     | Noise                                                                                                                      | Monitoring Date :     | 03.09.2024         |
| Monitored By :                                           | ECI                                                                                                                        | Data Received On :    | 03.09.2024         |
| S.No                                                     | Locations                                                                                                                  | Night Time            |                    |
|                                                          |                                                                                                                            | Minimum               | Maximum            |
| 1.                                                       | Near Main Gate                                                                                                             | 53.2                  | 54.2               |
| 2.                                                       | Admin Office Area                                                                                                          | 51.3                  | 52.8               |
| 3.                                                       | Stack Yard Area                                                                                                            | 57.4                  | 58.6               |
| 4.                                                       | Toilet Area                                                                                                                | 53.2                  | 54.9               |
| 5.                                                       | Canteen Area                                                                                                               | 47.2                  | 48.5               |
| 6.                                                       | DG Room                                                                                                                    | 60.3                  | 63.1               |
| 7.                                                       | Main Machine Area                                                                                                          | 86.2                  | 87.4               |
| 8.                                                       | RM Section                                                                                                                 | 65.1                  | 66.2               |
| 9.                                                       | Stripping Machine Area                                                                                                     | 64.4                  | 65.3               |
| 10.                                                      | Work Shop Area                                                                                                             | 57.9                  | 62.2               |
| Unit                                                     | dB (A)                                                                                                                     |                       |                    |
| Max. Permissible Limit for Noise (Factories Rules, 1950) | 90                                                                                                                         |                       |                    |
| Reference Method                                         | IS 9989                                                                                                                    |                       |                    |

**Opinion :** In the above mentioned locations meets the requirements of Factories Act Rules.

<--- End of Report --->

|                                                                                                   |                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified By :  | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><br>Authorized Signatory |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



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## TEST REPORT

Accredited by NABL : Chemical & Biological

|                          |                                                                                                                            |                       |                     |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-IAQ-2024/09/002                                                                                                        | Report Date :         | 06.09.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                     |
| Customer Reference :     | IWO Date: 03/09/2024                                                                                                       | Sample Reference No : | ECI-IAQ-2024/09/002 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 03.09.2024          |
| Sample Collected Date :  | 03.09.2024                                                                                                                 | Test Commenced On :   | 03.09.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                               | Test Completed On :   | 06.09.2024          |
| Sample Description :     | Fugitive Emission                                                                                                          | Sampling Method :     | IS 5182:Part 14     |
| Sample Mark:             | Cement & Fly Ash Handling Area                                                                                             |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD     | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-----------------|----------------------------|
| 1.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 28.6    | IS 5182:Part 06 | 80                         |
| 2.   | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 29.8    | IS 5182 Part:24 | 60                         |
| 3.   | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 67.9    | IS 5182:Part 23 | 100                        |
| 4.   | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 14.3    | IS 5182:Part 02 | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

|               |                                                                                                           |
|---------------|-----------------------------------------------------------------------------------------------------------|
| Verified By : | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><br>Authorized Signatory |
|---------------|-----------------------------------------------------------------------------------------------------------|



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## TEST REPORT

Accredited by NABL (Chemical & Biological)

|                          |                                                                                                                            |                       |                     |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| Report No :              | ECI-IAQ-2024/09/001                                                                                                        | Report Date :         | 06.09.2024          |
| Customer Name & Address  | M/s. Ramco Industries Ltd<br>Plot No:12A,<br>Sipcot Industrial Growth Centre,<br>Gangaikondan,<br>Tirunelveli Dist-627352. |                       |                     |
| Customer Reference :     | IWO Date: 03/09/2024                                                                                                       | Sample Reference No : | ECI-IAQ-2024/09/001 |
| Sample Drawn By :        | ECI                                                                                                                        | Sample Received On :  | 03.09.2024          |
| Sample Collected Date :  | 03.09.2024                                                                                                                 | Test Commenced On :   | 03.09.2024          |
| Qty of Sample Received : | Filter Paper & 25ml Solution                                                                                               | Test Completed On :   | 06.09.2024          |
| Sample Description :     | Fugitive Emission                                                                                                          | Sampling Method :     | IS 5182:Part 14     |
| Sample Mark:             | RM Stock Area                                                                                                              |                       |                     |

| S.No | PARAMETERS                                        | UNITS             | RESULTS | TEST METHOD     | Permissible limits of CPCB |
|------|---------------------------------------------------|-------------------|---------|-----------------|----------------------------|
| 1.   | Nitrogen dioxide (as NO <sub>2</sub> )            | µg/m <sup>3</sup> | 27.9    | IS 5182:Part 06 | 80                         |
| 2.   | Particulate Matter (PM <sub>2.5</sub> )           | µg/m <sup>3</sup> | 34.7    | IS 5182 Part:24 | 60                         |
| 3.   | Respirable Particulate Matter (PM <sub>10</sub> ) | µg/m <sup>3</sup> | 55.2    | IS 5182:Part 23 | 100                        |
| 4.   | Sulphur Dioxide (as SO <sub>2</sub> )             | µg/m <sup>3</sup> | 16.5    | IS 5182:Part 02 | 80                         |

**Opinion:** In the above mentioned location meets the requirements of CPCB standards with respect to the parameters tested.

<--- End of Report --->

|               |                                                                                       |
|---------------|---------------------------------------------------------------------------------------|
| Verified By : | <b>For ENVIRO CARE INDIA PRIVATE LIMITED</b><br>(Chemical Testing Laboratory)<br><br> |
|---------------|---------------------------------------------------------------------------------------|

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**Ramco Industries Limited**   
(Material Testing Laboratory)

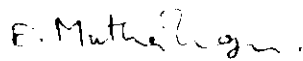
Address: No.17, Winterpet Post, Arakkonam, Vellore, Tamil Nadu,  
Pin code-631 005, Phone No. 04177 224932.

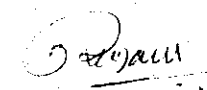
**TEST REPORT**

|                              |                                                               |                      |                                                                |
|------------------------------|---------------------------------------------------------------|----------------------|----------------------------------------------------------------|
| Test Certificate No. & Date  | RIL/MT/2024-2025/06/0001 - 17/09/2024                         |                      |                                                                |
| Status of Report             | Full/ <del>Partial</del>                                      |                      |                                                                |
| Issue No./Amendment No.      | 01/00                                                         |                      |                                                                |
| Customer Name                | M/s Ramco Industries Limited,                                 |                      |                                                                |
| Customer Address             | Sipcot Industrial Area, Gangaikondan, Tirunelveli, Tamil Nadu |                      |                                                                |
| Reference No. if any         | -                                                             |                      |                                                                |
| <u>Sample Description:</u>   |                                                               |                      |                                                                |
| Discipline                   | Chemical                                                      | Group/ Sub Group     | Atmospheric Pollution/ Work Environment and Indoor air quality |
| Product                      | Airborne asbestos fibres                                      | Flow Rate (ml/min)   | 1000                                                           |
| Source of Sample for testing | Supplied by the customer                                      | Sample Receipt Date  | 13/09/2024                                                     |
| Sampling Duration            | 240 mins                                                      | Test Started Date    | 16/09/2024                                                     |
| Quantity of Sample           | 12 Nos                                                        | Test completed Date  | 17/09/2024                                                     |
| Condition of Sample          | Acceptable                                                    | Test Method followed | IS 11450 : 2006                                                |

**TEST RESULTS OF FIBRE CONCENTRATION**

| Sl. No | Sampling Date | Location                | S/P | Fibre Count (Nos) | Fibre Concentration (f/cc) |
|--------|---------------|-------------------------|-----|-------------------|----------------------------|
| 1      | 01.09.2024    | Asbestos Storage Godown | S   | 8                 | 0.018                      |
| 2      | 01.09.2024    | Bag Opening Device      | P   | 9                 | 0.020                      |
| 3      | 02.09.2024    | Slurry Mixer            | S   | 5                 | 0.011                      |
| 4      | 01.09.2024    | Sheeting Machine        | P   | 7                 | 0.015                      |
| 5      | 02.09.2024    | Corrugator              | P   | 6                 | 0.013                      |
| 6      | 01.09.2024    | Moulding Area           | P   | 6                 | 0.013                      |
| 7      | 02.09.2024    | Laboratory              | P   | 4                 | 0.009                      |
| 8      | 02.09.2024    | Loading Area            | S   | 5                 | 0.011                      |
| 9      | 01.09.2024    | Near Main Gate          | S   | 4                 | 0.009                      |
| 10     | 04.09.2024    | Segregation             | P   | 6                 | 0.013                      |
| 11     | 02.09.2024    | Salvage/Reclamation     | S   | 8                 | 0.018                      |
| 12     | 04.09.2024    | Pulverizer              | P   | 8                 | 0.018                      |

  
**Tested by**  
E. Muthazhagan  
(Test Engineer)

  
**Authorized By**  
P. Kumaraguruparan  
(Senior Manager Quality)

\*\*\*END OF THE REPORT\*\*\*



Address: No.17, Winterpet Post, Arakkonam, Vellore, Tamil Nadu,  
Pin code-631 005, Phone No. 04177 224932.

**TEST REPORT**

|                                   |                                                               |                      |                                                                |
|-----------------------------------|---------------------------------------------------------------|----------------------|----------------------------------------------------------------|
| Test Certificate No. & Date       | RIL/MT/2024-2025/06/0001A – 17/09/2024                        |                      |                                                                |
| Status of Report                  | Full/ <del>Partial</del>                                      |                      |                                                                |
| Issue No./Amendment No.           | 01/00                                                         |                      |                                                                |
| Customer Name                     | M/s Ramco Industries Limited,                                 |                      |                                                                |
| Customer Address                  | Sipcot Industrial Area, Gangaikondan, Tirunelveli, Tamil Nadu |                      |                                                                |
| Reference No. if any              | -                                                             |                      |                                                                |
| <b><u>Sample Description:</u></b> |                                                               |                      |                                                                |
| Discipline                        | Chemical                                                      | Group/ Sub Group     | Atmospheric Pollution/ Work Environment and Indoor air quality |
| Product                           | Airborne asbestos fibres                                      | Flow Rate (ml/min)   | 10000                                                          |
| Source of Sample for testing      | Supplied by the customer                                      | Sample Receipt Date  | 13/09/2024                                                     |
| Sampling Duration                 | 10 mins                                                       | Test Started Date    | 16/09/2024                                                     |
| Quantity of Sample                | 2 Nos                                                         | Test completed Date  | 17/09/2024                                                     |
| Condition of Sample               | Acceptable                                                    | Test Method followed | IS 11450 : 2006                                                |

**TEST RESULTS OF FIBRE CONCENTRATION**

| Sl. No | Sampling Date | location            | S/P | Fibre Count (Nos) | Fibre Concentration (f/cc) |
|--------|---------------|---------------------|-----|-------------------|----------------------------|
| 1      | 02.09.2024    | Fiber De-Stack      | NA  | 3                 | 0.016                      |
| 2      | 02.09.2024    | Pulverizer De-Stack | NA  | 4                 | 0.021                      |

**Tested by**

E. Muthazhagan  
(Test Engineer)

**Authorized By**

P. Kumaraguruparan  
(Senior Quality Manager)

**\*\*\*END OF THE REPORT\*\*\***