



# DEVBHOOMI TESTING LABORATORY DEHRADUN

NABL Accredited, Govt. Approved, MSME Registered, & ISO : 9001:2015 & 14001: 2015 Certified Laboratory  
Neelkanth Enclave, Harbhajwala, Telpur Chowk, Shimla By Pass Road, Dehradun 248171  
Mob: +91-7217360360, +91-7579118238, 8859392493, 9760764229  
Email: devbhoomilab@gmail.com

## TEST REPORT

|                                                                                                                 |                                   |
|-----------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Description of Sample: Air Quality Monitoring                                                                   | Report No.: DTL/DDN/2024/2910/09  |
| Sample Id: 29102024/09                                                                                          | Date of Report: 06/11/2024        |
| Sample Quantity: As per requirement                                                                             | Date of Sampling: 29/10/2024      |
| Sample Condition: Receipt as OK                                                                                 | Start Date of Testing: 01/11/2024 |
| Sample Plan & Sampling Method: NA                                                                               | Date of Completion: 06/11/2024    |
| Environment Condition (Temp. & Humidity): NA                                                                    | Page 1 of 1                       |
| Addition to, Deviation or Exclusion from the Method: NA                                                         |                                   |
| N.O.W : Construction of 18m Span RCC Motor bridge in km 4, at Nandprayag Ghat Motorway under U-PREPARE Project. |                                   |
| Issued to:<br>M/S ARKS UNIVERSAL PRIVATE LIMITED                                                                |                                   |

### Location: L.H.S

| S. No. | Parameters                                                     | Test Value | Requirement as per National Ambient Air Quality Standards CPCB |                |
|--------|----------------------------------------------------------------|------------|----------------------------------------------------------------|----------------|
|        |                                                                |            | Industrial, Rural & other area                                 | Sensitive Area |
| 1      | Particulate Matter (size < 10µm), µg/m <sup>3</sup> (24 hrs)   | 72.6       | 100 Max.                                                       | 100 Max.       |
| 2      | Particulate Matter (size < 2.5 µm), µg/m <sup>3</sup> (24 hrs) | 45.3       | 60 Max.                                                        | 60 Max.        |
| 3      | Sulphur Dioxide, µg/m <sup>3</sup> (24 hrs.)                   | 18.8       | 80 Max.                                                        | 80 Max.        |
| 4      | Oxides of Nitrogen, µg/ m <sup>3</sup> (24 hrs.)               | 15.0       | 80 Max.                                                        | 80 Max.        |
| 5      | Carbon Mono Oxide, µg/ m <sup>3</sup>                          | ND         | 02*, 04#                                                       | 02*, 04#       |

Protocol Used: IS: 5182 (P-2, 3 & 23), CPCB Guidelines.

Note: ND stands for Non-Detectable.

Note: \* Maximum limits for 8 hourly monitoring, # Maximum limits for 1 hourly monitoring.

\*\*\*\*\*End of Report\*\*\*\*\*

Eny - Exp. FPU PWD.  
D.D.

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Checked & Issued by  
Authorised Signatory

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Email: devbhoomilab@gmail.com

## TEST REPORT

|                                                                                                                 |                                   |
|-----------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Description of Sample: Air Quality Monitoring                                                                   | Report No.: DTL/DIN/2024/2910/10  |
| Sample Id: 29102024/10                                                                                          | Date of Report: 06/11/2024        |
| Sample Quantity: As per requirement                                                                             | Date of Sampling: 29/10/2024      |
| Sample Condition: Receipt as OK                                                                                 | Start Date of Testing: 01/11/2024 |
| Sample Plan & Sampling Method: NA                                                                               | Date of Completion: 06/11/2024    |
| Environment Condition (Temp. & Humidity): NA                                                                    | Page 1 of 1                       |
| Addition to, Deviation or Exclusion from the Method: NA                                                         |                                   |
| N.O.W : Construction of 18m Span RCC Motor bridge in km 4, at Nandprayag Ghat Motorway under U-PREPARE Project. |                                   |
| Issued to:<br>M/S ARKS UNIVERSAL PRIVATE LIMITED                                                                |                                   |

### Location: R.H.S

| S. No. | Parameters                                                     | Test Value | Requirement as per National Ambient Air Quality Standards CPCB |                |
|--------|----------------------------------------------------------------|------------|----------------------------------------------------------------|----------------|
|        |                                                                |            | Industrial, Rural & other area                                 | Sensitive Area |
| 1      | Particulate Matter (size < 10µm), µg/m <sup>3</sup> (24 hrs)   | 74.5       | 100 Max.                                                       | 100 Max.       |
| 2      | Particulate Matter (size < 2.5 µm), µg/m <sup>3</sup> (24 hrs) | 42.9       | 60 Max.                                                        | 60 Max.        |
| 3      | Sulphur Dioxide, µg/m <sup>3</sup> (24 hrs.)                   | 19.7       | 80 Max.                                                        | 80 Max.        |
| 4      | Oxides of Nitrogen, µg/m <sup>3</sup> (24 hrs.)                | 16.0       | 80 Max.                                                        | 80 Max.        |
| 5      | Carbon Mono Oxide, µg/m <sup>3</sup>                           | ND         | 02*, 04#                                                       | 02*, 04#       |

Protocol Used: IS: 5182 (P-2, 3 & 23), CPCB Guidelines.

Note: ND stands for Non-Detectable.

Note: \* Maximum limits for 8 hourly monitoring, # Maximum limits for 1 hourly monitoring.

*Handwritten:* Melan S.  
Env. Exp. & PSCUPWIS.  
D.D

\*\*\*\*\*End of Report\*\*\*\*\*

*Handwritten signature and circular stamp*

Checked & Issued by  
Authorised Signatory

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## TEST REPORT

|                                                                                                                          |                                   |
|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Description of Sample: Air Quality Monitoring                                                                            | Report No.: DTL/DDN/2024/3010/09  |
| Sample Id: 30102024/09                                                                                                   | Date of Report: 06/11/2024        |
| Sample Quantity: As per requirement                                                                                      | Date of Sampling: 30/10/2024      |
| Sample Condition: Receipt as OK                                                                                          | Start Date of Testing: 01/11/2024 |
| Sample Plan & Sampling Method: NA                                                                                        | Date of Completion: 06/11/2024    |
| Environment Condition (Temp. & Humidity): NA                                                                             | Page 1 of 1                       |
| Addition to, Deviation or Exclusion from the Method: NA                                                                  |                                   |
| N.O.W: Construction of 15 m Span RCC Motor bridge in km 8-(HM 2-4), at Nandprayag Ghat Motorway under U-PREPARE Project. |                                   |
| Issued to:<br>M/S ARKS UNIVERSAL PRIVATE LIMITED                                                                         |                                   |

### Location: L.H.S

| S. No. | Parameters                                                     | Test Value | Requirement as per National Ambient Air Quality Standards CPCB |                |
|--------|----------------------------------------------------------------|------------|----------------------------------------------------------------|----------------|
|        |                                                                |            | Industrial, Rural & other area                                 | Sensitive Area |
| 1      | Particulate Matter (size < 10µm), µg/m <sup>3</sup> (24 hrs)   | 69.2       | 100 Max.                                                       | 100 Max.       |
| 2      | Particulate Matter (size < 2.5 µm), µg/m <sup>3</sup> (24 hrs) | 46.2       | 60 Max.                                                        | 60 Max.        |
| 3      | Sulphur Dioxide, µg/m <sup>3</sup> (24 hrs.)                   | 19.3       | 80 Max.                                                        | 80 Max.        |
| 4      | Oxides of Nitrogen, µg/m <sup>3</sup> (24 hrs.)                | 16.0       | 80 Max.                                                        | 80 Max.        |
| 5      | Carbon Mono Oxide, µg/m <sup>3</sup>                           | ND         | 02*, 04#                                                       | 02*, 04#       |

Protocol Used: IS: 5182 (P-2, 3 & 23), CPCB Guidelines.

Note: ND stands for Non-Detectable.

Note: \* Maximum limits for 8 hourly monitoring, # Maximum limits for 1 hourly monitoring.

*Handwritten:* Atchum  
Env. Exp. FPEU Pw D  
D D.

\*\*\*\*\*End of Report\*\*\*\*\*

*Handwritten signature:* Amber

Checked & Issued by  
Authorised Signatory

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## TEST REPORT

|                                                                                                                           |                                   |
|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Description of Sample: Air Quality Monitoring                                                                             | Report No.: DTL/DDN/2024/3010/10  |
| Sample Id: 30102024/10                                                                                                    | Date of Report: 06/11/2024        |
| Sample Quantity: As per requirement                                                                                       | Date of Sampling: 30/10/2024      |
| Sample Condition: Receipt as OK                                                                                           | Start Date of Testing: 01/11/2024 |
| Sample Plan & Sampling Method: NA                                                                                         | Date of Completion: 06/11/2024    |
| Environment Condition (Temp. & Humidity): NA                                                                              | Page 1 of 1                       |
| Addition to, Deviation or Exclusion from the Method: NA                                                                   |                                   |
| N.O.W: Construction of 15 m Span RCC Motor bridge in km 8-(IIM 2-4), at Nandprayag Ghat Motorway under U-PREPARE Project. |                                   |
| Issued to:<br>M/S ARKS UNIVERSAL PRIVATE LIMITED                                                                          |                                   |

### Location: R.H.S

| S. No. | Parameters                                                     | Test Value | Requirement as per National Ambient Air Quality Standards CPCB |                |
|--------|----------------------------------------------------------------|------------|----------------------------------------------------------------|----------------|
|        |                                                                |            | Industrial, Rural & other area                                 | Sensitive Area |
| 1      | Particulate Matter (size < 10µm), µg/m <sup>3</sup> (24 hrs)   | 79.3       | 100 Max.                                                       | 100 Max.       |
| 2      | Particulate Matter (size < 2.5 µm), µg/m <sup>3</sup> (24 hrs) | 51.0       | 60 Max.                                                        | 60 Max.        |
| 3      | Sulphur Dioxide, µg/m <sup>3</sup> (24 hrs.)                   | 21.6       | 80 Max.                                                        | 80 Max.        |
| 4      | Oxides of Nitrogen, µg/ m <sup>3</sup> (24 hrs.)               | 16.9       | 80 Max.                                                        | 80 Max.        |
| 5      | Carbon Mono Oxide, µg/ m <sup>3</sup>                          | ND         | 02*, 04#                                                       | 02*, 04#       |

Protocol Used: IS: 5182 (P-2, 3 & 23), CPCB Guidelines.

Note: ND stands for Non-Detectable.

Note: \* Maximum limits for 8 hourly monitoring, # Maximum limits for 1 hourly monitoring.

\*\*\*\*\*End of Report\*\*\*\*\*

*At home*  
Env. Exp. P. P. U. P. O. D.  
D. D.

*Arsh*

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Authorised Signatory

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## TEST REPORT

|                                                                                                                                  |                                   |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Description of Sample: Air Quality Monitoring                                                                                    | Report No.: DTL/DDN/2024/0111/09  |
| Sample Id: 01112024/09                                                                                                           | Date of Report: 07/11/2024        |
| Sample Quantity: As per requirement                                                                                              | Date of Sampling: 01/11/2024      |
| Sample Condition: Receipt as OK                                                                                                  | Start Date of Testing: 02/11/2024 |
| Sample Plan & Sampling Method: NA                                                                                                | Date of Completion: 07/11/2024    |
| Environment Condition (Temp. & Humidity): NA                                                                                     | Page 1 of 1                       |
| Addition to, Deviation or Exclusion from the Method: NA                                                                          |                                   |
| N.O.W: Construction of 30m Span Steel Truss Motor bridge in km 8-(HM 8-10), at Nandprayag Ghat Motorway under U-PREPARE Project. |                                   |
| Issued to:<br>M/S ARKS UNIVERSAL PRIVATE LIMITED                                                                                 |                                   |

### Location: L.H.S

| S. No. | Parameters                                                     | Test Value | Requirement as per National Ambient Air Quality Standards CPCB |                |
|--------|----------------------------------------------------------------|------------|----------------------------------------------------------------|----------------|
|        |                                                                |            | Industrial, Rural & other area                                 | Sensitive Area |
| 1      | Particulate Matter (size < 10µm), µg/m <sup>3</sup> (24 hrs)   | 75.0       | 100 Max.                                                       | 100 Max.       |
| 2      | Particulate Matter (size < 2.5 µm), µg/m <sup>3</sup> (24 hrs) | 49.2       | 60 Max.                                                        | 60 Max.        |
| 3      | Sulphur Dioxide, µg/m <sup>3</sup> (24 hrs.)                   | 19.8       | 80 Max.                                                        | 80 Max.        |
| 4      | Oxides of Nitrogen, µg/m <sup>3</sup> (24 hrs.)                | 14.9       | 80 Max.                                                        | 80 Max.        |
| 5      | Carbon Mono Oxide, µg/m <sup>3</sup>                           | ND         | 02*, 04#                                                       | 02*, 04#       |

Protocol Used: IS: 5182 (P-2, 3 & 23), CPCB Guidelines.

Note: ND stands for Non-Detectable.

Note: \* Maximum limits for 8 hourly monitoring, # Maximum limits for 1 hourly monitoring.

*Helan*  
Env. Exp. FPIU P&D.  
D.D.

\*\*\*\*\*End of Report\*\*\*\*\*

*Arjun*

*Arjun*

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Authorised Signatory

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## TEST REPORT

|                                                                                                                          |                                   |
|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Description of Sample: Air Quality Monitoring                                                                            | Report No.: DTL/DDN/2024/0211/08  |
| Sample Id: 02112024/08                                                                                                   | Date of Report: 09/11/2024        |
| Sample Quantity: As per requirement                                                                                      | Date of Sampling: 02/11/2024      |
| Sample Condition: Receipt as OK                                                                                          | Start Date of Testing: 04/11/2024 |
| Sample Plan & Sampling Method: NA                                                                                        | Date of Completion: 09/11/2024    |
| Environment Condition (Temp. & Humidity): NA                                                                             | Page 1 of 1                       |
| Addition to, Deviation or Exclusion from the Method: NA                                                                  |                                   |
| N.O.W: Construction of 24 m Span Steel Truss Motor bridge in km 12, at Nandprayag Ghat Motorway under U-PREPARE Project. |                                   |
| Issued to:<br>M/S ARKS UNIVERSAL PRIVATE LIMITED                                                                         |                                   |

### Location: L.H.S

| S. No. | Parameters                                                     | Test Value | Requirement as per National Ambient Air Quality Standards CPCB |                |
|--------|----------------------------------------------------------------|------------|----------------------------------------------------------------|----------------|
|        |                                                                |            | Industrial, Rural & other area                                 | Sensitive Area |
| 1      | Particulate Matter (size < 10µm), µg/m <sup>3</sup> (24 hrs)   | 68.6       | 100 Max.                                                       | 100 Max.       |
| 2      | Particulate Matter (size < 2.5 µm), µg/m <sup>3</sup> (24 hrs) | 43.9       | 60 Max.                                                        | 60 Max.        |
| 3      | Sulphur Dioxide, µg/m <sup>3</sup> (24 hrs.)                   | 17.5       | 80 Max.                                                        | 80 Max.        |
| 4      | Oxides of Nitrogen, µg/m <sup>3</sup> (24 hrs.)                | 15.5       | 80 Max.                                                        | 80 Max.        |
| 5      | Carbon Mono Oxide, µg/m <sup>3</sup>                           | ND         | 02*, 04#                                                       | 02*, 04#       |

Protocol Used: IS: 5182 (P-2, 3 & 23), CPCB Guidelines.

Note: ND stands for Non-Detectable.

Note: \* Maximum limits for 8 hourly monitoring, # Maximum limits for 1 hourly monitoring.

\*\*\*\*\*End of Report\*\*\*\*\*

*Helena*  
Env. Exp. FPIU PWD  
P.D.



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Authorised Signatory

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# TEST REPORT

|                                                                                                                          |                                   |
|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Description of Sample: Air Quality Monitoring                                                                            | Report No.: DTL/DDN/2024/0211/09  |
| Sample Id: 02112024/09                                                                                                   | Date of Report: 09/11/2024        |
| Sample Quantity: As per requirement                                                                                      | Date of Sampling: 02/11/2024      |
| Sample Condition: Receipt as OK                                                                                          | Start Date of Testing: 04/11/2024 |
| Sample Plan & Sampling Method: NA                                                                                        | Date of Completion: 09/11/2024    |
| Environment Condition (Temp. & Humidity): NA                                                                             | Page 1 of 1                       |
| Addition to, Deviation or Exclusion from the Method: NA                                                                  |                                   |
| N.O.W: Construction of 24 m Span Steel Truss Motor bridge in km 12, at Nandprayag Ghat Motorway under U-PREPARE Project. |                                   |
| Issued to:<br>M/S ARKS UNIVERSAL PRIVATE LIMITED                                                                         |                                   |

Location: R.H.S

| S. No. | Parameters                                                     | Test Value | Requirement as per National Ambient Air Quality Standards CPCB |                      |
|--------|----------------------------------------------------------------|------------|----------------------------------------------------------------|----------------------|
|        |                                                                |            | Industrial, Rural & other area                                 | Sensitive Area       |
| 1      | Particulate Matter (size < 10µm), µg/m <sup>3</sup> (24 hrs)   | 74.0       | 100 Max.                                                       | 100 Max.             |
| 2      | Particulate Matter (size < 2.5 µm), µg/m <sup>3</sup> (24 hrs) | 47.6       | 60 Max.                                                        | 60 Max.              |
| 3      | Sulphur Dioxide, µg/m <sup>3</sup> (24 hrs.)                   | 20.4       | 80 Max.                                                        | 80 Max.              |
| 4      | Oxides of Nitrogen, µg/ m <sup>3</sup> (24 hrs.)               | 16.2       | 80 Max.                                                        | 80 Max.              |
| 5      | Carbon Mono Oxide, µg/ m <sup>3</sup>                          | ND         | 02*, 04 <sup>#</sup>                                           | 02*, 04 <sup>#</sup> |

Protocol Used: IS: 5182 (P-2, 3 & 23), CPCB Guidelines.

Note: ND stands for Non-Detectable.

Note: \* Maximum limits for 8 hourly monitoring, # Maximum limits for 1 hourly monitoring.

\*\*\*\*\*End of Report\*\*\*\*\*

Atgms  
Eny Exp. FPIU PWD  
D.D.

*[Signature]*

*[Signature]*

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