



**Nilawar Laboratories**  
(A Unit of MNEC Consultants Pvt. Ltd)

NABL ACCREDITED LAB VIDE - TC-9782  
CIN No. U74140MH2009PTC196108



### TEST REPORT

|                                                 |                                                                                                                                                                                                      |                                                |                      |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|----------------------|
| Test Report No                                  | : NL/AIR/089                                                                                                                                                                                         | ULR No.                                        | : TC97822600001112F  |
| Customer Name & Address                         | : Proposed Residential cum commercial building on Plot Bearing S.No.41, H. No. 1,2,3 & S.No.42, H. No. 6 & 7A at Village Tisgaon, Taluka-Kalyan Dist.-Thane by M/s. Sonawane Infrastructure Pvt. Ltd |                                                |                      |
| Sample Received On                              | : 23/03/2026                                                                                                                                                                                         | Sampling Date                                  | : 20/03/2026         |
| Sample ID.                                      | : NL-0652/MAR26/AA-01                                                                                                                                                                                | Report Issue Date                              | : 28/03/2026         |
| Sampling Plan Ref.                              | : As per Work Order                                                                                                                                                                                  | Date of Test Start                             | : 23/03/2026         |
| Sampling Method Ref.                            | : CPCB Volume - 1                                                                                                                                                                                    | Date of Test complete                          | : 24/03/2026         |
| Sampling By                                     | : Lab                                                                                                                                                                                                | Sample Description                             | : Ambient Air Sample |
| Environmental Condition at the time of Sampling | : Avg. Temperature : 31.9 °C<br>Avg. Humidity : 66 %<br>Weather condition : Sunny                                                                                                                    | Environmental Condition at the time of Testing | : Temp. : 25.1 °C    |
|                                                 |                                                                                                                                                                                                      |                                                | : Humidity : 49 %    |
| Sample Quantity Received                        | : PM10 – 01 filter paper, PM2.5 – 01 filter paper, SO2, NO2 – 01 PVC Bottle each.                                                                                                                    |                                                |                      |

Discipline - Chemical Testing  
Group - Atmospheric Pollution

### DESCRIPTION LIST AMBIENT AIR SAMPLES

| Sr. No | Location Code | Name of the Location | Latitude  | Longitude |
|--------|---------------|----------------------|-----------|-----------|
| 1      | AA-01         | At Project Site      | 19.217788 | 73.131859 |



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TC-9782

**TEST RESULTS**

| Sample Code                                        | Date       | PM <sub>10</sub>  | PM <sub>2.5</sub> | SO <sub>2</sub>   | NO <sub>2</sub>   |
|----------------------------------------------------|------------|-------------------|-------------------|-------------------|-------------------|
|                                                    |            | µg/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> |
| AA-01                                              | 20/03/2026 | 69.8              | 29.1              | 29.4              | 33.6              |
| Limits As Per MoEF gazette notification GSR/826(E) |            | 100               | 60                | 80                | 80                |

For M/s Nilawar Laboratories,

  


**Dinesh Bangadkar**  
(Authorized Signatory)

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### TEST REPORT

|                                                 |                                                                                                                                                                                                      |                                                |                                               |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------------------------------------|
| Test Report No                                  | : NL/NOISE/089                                                                                                                                                                                       | ULR No.                                        | : TC97822600001113F                           |
| Customer Name & Address                         | : Proposed Residential cum commercial building on Plot Bearing S.No.41, H. No. 1,2,3 & S.No.42, H. No. 6 & 7A at Village Tisgaon, Taluka-Kalyan Dist.-Thane by M/s. Sonawane Infrastructure Pvt. Ltd |                                                |                                               |
| Sample Received On                              | : NA                                                                                                                                                                                                 | Sampling Date                                  | : 21/03/2026                                  |
| Sample ID.                                      | : NL-0652/MAR26/NO-01                                                                                                                                                                                | Report Issue Date                              | : 28/03/2026                                  |
| Sampling Plan Ref.                              | : As per Customer                                                                                                                                                                                    | Date of Test Start                             | : NA                                          |
| Sampling Method Ref.                            | : IS 9989 : 1981                                                                                                                                                                                     | Date of Test complete                          | : NA                                          |
| Sampling By                                     | : Lab                                                                                                                                                                                                | Sample Description                             | : Ambient Noise Sample                        |
| Environmental Condition at the time of Sampling | : Avg. Temperature : 31.8 °C<br>Avg. Humidity : 66 %<br>Weather condition : Sunny                                                                                                                    | Environmental Condition at the time of Testing | : Avg. Temperature : NA<br>Avg. Humidity : NA |
| Sample Quantity Received                        | : NA                                                                                                                                                                                                 |                                                |                                               |

Discipline - Chemical Testing  
Group - Atmospheric Pollution

### DESCRIPTION LIST AMBIENT NOISE SAMPLES

| Sr. No | Location Code | Name of the Location | Latitude  | Longitude |
|--------|---------------|----------------------|-----------|-----------|
| 1      | NO-01         | At Project Site      | 19.217788 | 73.131859 |



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### TEST RESULTS

#### MEASURED NOISE LEVELS AT MONITORED STATIONS

| SR. NO. | SAMPLE CODE | DATE OF SAMPLING | UNIT   | Noise Level in dB(A) |            |
|---------|-------------|------------------|--------|----------------------|------------|
|         |             |                  |        | DAY TIME             | NIGHT TIME |
| 1       | NO-1        | 21/03/2026       | dB (A) | 64.2                 | 42.8       |

#### AMBIENT AIR QUALITY STANDARDS IN RESPECT OF NOISE

(See rule 3(1) and 4(1))

| Area Code | Category of Area/Zone | Limits in dB(A) Leq* |            |
|-----------|-----------------------|----------------------|------------|
|           |                       | Day time             | Night time |
| (A)       | Industrial area       | 75                   | 70         |
| (B)       | Commercial area       | 65                   | 55         |
| (C)       | Residential area      | 55                   | 45         |
| (D)       | Silence Zone          | 50                   | 40         |

Note:-

1. Day time shall mean from 6.00 a.m. to 10.00 p.m.
  2. Night time shall mean from 10.00 p.m. to 6.00 a.m.
  3. Silence zone is an area comprising not less than 100 metres around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority
  4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.
- \* dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

Source: The Noise Pollution (Regulation and Control) Rules, 2000

For M/s Nilawar Laboratories,

  


**Dinesh Bangadkar**  
(Authorized Signatory)

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### TEST REPORT

|                                                 |                                                                                                                                                                                                      |                                                |                     |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------|
| Test Report No                                  | : NL/WATER/997                                                                                                                                                                                       | ULR No.                                        | : TC97822600001114F |
| Customer Name & Address                         | : Proposed Residential cum commercial building on Plot Bearing S.No.41, H. No. 1,2,3 & S.No.42, H. No. 6 & 7A at Village Tisgaon, Taluka-Kalyan Dist.-Thane by M/s. Sonawane Infrastructure Pvt. Ltd |                                                |                     |
| Sample Received On                              | : 23/03/2026                                                                                                                                                                                         | Sampling Date                                  | : 21/03/2026        |
| Sample ID.                                      | : NL-0652/MAR26/WA-01                                                                                                                                                                                | Report Issue Date                              | : 28/03/2026        |
| Sampling Plan Ref.                              | : As per Work Order                                                                                                                                                                                  | Date of Test Start                             | : 23/03/2026        |
| Sampling Method Ref.                            | : APHA 24 <sup>th</sup> Edition                                                                                                                                                                      | Date of Test complete                          | : 27/03/2026        |
| Sampling By                                     | : Lab                                                                                                                                                                                                | Sample Description                             | : Ground Water      |
| Environmental Condition at the time of Sampling | : Avg. Temperature : 31.8 °C<br>Avg. Humidity : 66 %<br>Weather condition : Sunny                                                                                                                    | Environmental Condition at the time of Testing | : Temp. : 25.1 °C   |
|                                                 |                                                                                                                                                                                                      |                                                | : Humidity : 49 %   |
| Sample Quantity Received                        | : General Parameters – 2 liter PVC Bottle 01 samples, Metals – 250 ml PVC Bottles 01 samples, Oil & Grease – 1 liter glass bottle 01 samples.                                                        |                                                |                     |

Discipline - Chemical Testing  
Group - Water

### DESCRIPTION LIST GROUND WATER SAMPLES

| Sr. No | Location Code | Name of the Location          | Latitude  | Longitude |
|--------|---------------|-------------------------------|-----------|-----------|
| 1      | WA-01         | Bore Well Nearby Project Site | 19.217788 | 73.131859 |



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### TEST RESULT

| Sr. No. | Test Parameters               | Results                                      | Units | Test Method Used              | As Per IS 10500 : 2012 |             |
|---------|-------------------------------|----------------------------------------------|-------|-------------------------------|------------------------|-------------|
|         |                               | WA-01<br>Bore Well<br>nearby<br>Project Site |       |                               | Acceptable             | Permissible |
| 1       | Colour                        | 0.2                                          | Hazen | IS 3025 (Part 4)              | 5                      | 15          |
| 2       | Odour                         | AG                                           | -     | IS 3025 (Part 5)              | Agreeable              | Agreeable   |
| 3       | Taste                         | AG                                           | -     | IS 3025 (Part 8)              | Agreeable              | Agreeable   |
| 4       | Turbidity                     | 0.7                                          | NTU   | IS 3025 (Part 10)             | 1                      | 5           |
| 5       | pH                            | 7.32                                         | -     | IS 3025 (Part 11)             | 6.5-8.5                | NR          |
| 6       | Electrical Conductivity       | 715                                          | µs/cm | IS 3025 (Part 14 )            | -                      | -           |
| 7       | TDS                           | 429                                          | mg/L  | IS 3025 (Part 16)             | 500                    | 2000        |
| 8       | TSS                           | BDL                                          | mg/L  | IS 3025 (Part 17)             | -                      | -           |
| 9       | Total Alkalinity              | 108                                          | mg/L  | IS 3025 (Part 23)             | 200                    | 600         |
| 10      | Total Hardness                | 129                                          | mg/L  | IS 3025 (Part 21)             | 200                    | 600         |
| 11      | Calcium as Ca <sup>++</sup>   | 39.7                                         | mg/L  | IS 3025 (Part 40 )            | 75                     | 200         |
| 12      | Magnesium as Mg <sup>++</sup> | 27.5                                         | mg/L  | APHA 23 <sup>rd</sup> Edition | 30                     | 100         |
| 13      | Sodium                        | 22.4                                         | mg/L  | IS 3025 (Part 45 )            | -                      | -           |
| 14      | Potassium                     | 2.77                                         | mg/L  | IS 3025 (Part 45 )            | -                      | -           |
| 15      | Chlorides                     | 129.8                                        | mg/L  | IS 3025 (Part 32)             | 250                    | 1000        |
| 16      | Sulphates                     | 70.9                                         | mg/L  | APHA 23 <sup>rd</sup> Edition | 200                    | 400         |
| 17      | Nitrates as NO <sub>3</sub>   | 0.77                                         | mg/L  | APHA 23 <sup>rd</sup> Edition | 45                     | NR          |
| 18      | Fluoride as F                 | BDL                                          | mg/L  | APHA 23 <sup>rd</sup> Edition | 1                      | 1.5         |

**BDL is Below Detectable Limit ; Minimum Detectable Limit For parameters tested are as Under**

(NO<sub>2</sub>-0.1, PO<sub>4</sub>-0.05, Oil & Grease-5, BOD-1, COD-5, Al-0.02, AS-0.02, B-0.01, Cd-0.01, Cr+6-0.05, Cu-0.03, Fe-0.05, Pb-0.05, Mn-0.02, Hg-0.001, Zn-0.01, Se =0.005 ) (Unit mg/l),  
NTU - nephelometry turbidity unit;; NR - no relaxation; MPN - most probable number UO - unobjectionable; AG - agreeable; NA- not applicable

For M/s Nilawar Laboratories,

  


**Dinesh Bangadkar**  
**(Authorized Signatory)**

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----- End of Report -----

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**Laboratory :** At Km 16.5, Nilawar Motors Complex, Amravati Road, Waddhamna, Nagpur - 440 023. Mob. : +91-9922409055, 9552550955

➤ Soil Testing for all types of Foundation Designs. ➤ Chemical Analysis of Soil & Water ➤ Mechanical Analysis of Soil & Rock  
➤ Micro-biological Analysis of Soil & Water ➤ Testing of Construction Material ➤ Environment Consultants ➤ Environment Monitoring & Analysis



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### TEST REPORT

|                                                 |                                                                                                                                                                                                      |                                                |                     |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------|
| Test Report No                                  | : NL//BIO/WATER/115                                                                                                                                                                                  | ULR No.                                        | : TC97822600001114F |
| Customer Name & Address                         | : Proposed Residential cum commercial building on Plot Bearing S.No.41, H. No. 1,2,3 & S.No.42, H. No. 6 & 7A at Village Tisgaon, Taluka-Kalyan Dist.-Thane by M/s. Sonawane Infrastructure Pvt. Ltd |                                                |                     |
| Sample Received On                              | : 23/03/2026                                                                                                                                                                                         | Sampling Date                                  | : 21/03/2026        |
| Sample ID.                                      | : NL-0652/MAR26/WA-01                                                                                                                                                                                | Report Issue Date                              | : 28/03/2026        |
| Sampling Plan Ref.                              | : As per Work Order                                                                                                                                                                                  | Date of Test Start                             | : 23/03/2026        |
| Sampling Method Ref.                            | : APHA 24 <sup>th</sup> Edition                                                                                                                                                                      | Date of Test complete                          | : 27/03/2026        |
| Sampling By                                     | : Lab                                                                                                                                                                                                | Sample Description                             | : Ground Water      |
| Environmental Condition at the time of Sampling | : Avg. Temperature : 31.8 °C<br>Avg. Humidity : 66 %<br>Weather condition : Sunny                                                                                                                    | Environmental Condition at the time of Testing | : Temp. : 25.1 °C   |
|                                                 |                                                                                                                                                                                                      |                                                | : Humidity : 49 %   |
| Sample Quantity Received                        | : 500 ml in sterilized glass bottle                                                                                                                                                                  |                                                |                     |

Discipline - Biological Testing  
Group - Water

### DESCRIPTION LIST GROUND WATER SAMPLES

| Sr. No | Location Code | Name of the Location          | Latitude  | Longitude |
|--------|---------------|-------------------------------|-----------|-----------|
| 1      | WA-01         | Bore Well Nearby Project Site | 19.144597 | 73.051868 |



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### TEST RESULT

| Sr. No. | Test Parameters | Results                       | Units     | Test Method Used  | As Per IS 10500 : 2012                       |             |
|---------|-----------------|-------------------------------|-----------|-------------------|----------------------------------------------|-------------|
|         |                 | WA-01                         |           |                   |                                              |             |
|         |                 | Bore Well Nearby Project Site |           |                   | Acceptable                                   | Permissible |
| 1       | Total coliform  | < 2                           | MPN/100ml | IS 1622 : 1981    | Shall not be detectable in any 100 ml sample |             |
| 2       | E coli          | < 1.8                         | MPN/100ml | APHA 24th Edition | Shall not be detectable in any 100 ml sample |             |

**BDL is Below Detectable Limit ; Minimum Detectable Limit For parameters tested are as Under**

(NO<sub>2</sub>-0.1, PO<sub>4</sub>-0.05, Oil & Grease-5, BOD-1, COD-5, Al-0.02, AS-0.02, B-0.01, Cd-0.01, Cr+6-0.05, Cu-0.03, Fe-0.05, Pb-0.05, Mn-0.02, Hg-0.001, Zn-0.01, Se=0.005 )  
(Unit mg/l), NTU - nephelometry turbidity unit;; NR - no relaxation; MPN - most probable number UO - unobjectionable; AG - agreeable; NA- not applicable

For M/s Nilawar Laboratories,

*Gupta Rohan*

**Rohan Gupta**  
(Authorized Signatory)

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### TEST REPORT

|                                                 |                                                                                                                                                                                                      |                                                |                     |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------|
| Test Report No                                  | : NL/SOIL/998                                                                                                                                                                                        | ULR No.                                        | : TC97822600001115F |
| Customer Name & Address                         | : Proposed Residential cum commercial building on Plot Bearing S.No.41, H. No. 1,2,3 & S.No.42, H. No. 6 & 7A at Village Tisgaon, Taluka-Kalyan Dist.-Thane by M/s. Sonawane Infrastructure Pvt. Ltd |                                                |                     |
| Sample Received On                              | : 23/03/2026                                                                                                                                                                                         | Sampling Date                                  | : 21/03/2026        |
| Sample ID.                                      | : NL-0652/MAR26/SO-01                                                                                                                                                                                | Report Issue Date                              | : 28/03/2026        |
| Sampling Plan Ref.                              | : As per Work Order                                                                                                                                                                                  | Date of Test Start                             | : 23/03/2026        |
| Sampling Method Ref.                            | : Methods of Manual Soil testing India                                                                                                                                                               | Date of Test complete                          | : 27/03/2026        |
| Sampling By                                     | : Lab                                                                                                                                                                                                | Sample Description                             | : Soil Sample       |
| Environmental Condition at the time of Sampling | : Avg. Temperature : 31.8 °C<br>Avg. Humidity : 66 %<br>Weather condition : Sunny                                                                                                                    | Environmental Condition at the time of Testing | : Temp. : 25.1 °C   |
|                                                 |                                                                                                                                                                                                      |                                                | : Humidity : 49 %   |
| Sample Quantity Received                        | : 500 gm soil sample in Zip Lock bag                                                                                                                                                                 |                                                |                     |

Discipline - Chemical Testing  
Group - Soil & Rock

### DESCRIPTION LIST SOIL WATER SAMPLES

| Sr. No | Location Code | Name of the Location   | Latitude  | Longitude |
|--------|---------------|------------------------|-----------|-----------|
| 1      | SO-01         | Soil Near Project Site | 19.144597 | 73.051868 |



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### TEST RESULT

| Sr. No.             | Parameters                                         | Unit       | Soil Near Project Site | Test Result                          |
|---------------------|----------------------------------------------------|------------|------------------------|--------------------------------------|
| Lab Sample Code     |                                                    |            | SO-1                   |                                      |
| Client Sample Code  |                                                    |            | S-1                    |                                      |
| Physical Properties |                                                    |            | Composite Sample       |                                      |
| 1                   | Grain Size Distribution %                          | Gravel     | 0.13                   | IS 2720 (Part 4)                     |
|                     |                                                    | Sand       | 19.28                  |                                      |
|                     |                                                    | Silt       | 46.22                  |                                      |
|                     |                                                    | Clay       | 34.37                  |                                      |
| 2                   | Natural Moisture Content                           | %          | 14.25                  | IS-2720 (part 2)                     |
| 3                   | Liquid Limit                                       | %          | NL                     | IS 2720 (Part 6)                     |
| 4                   | Plastic Limit                                      | %          | PL                     | IS 2720 (Part 5)                     |
| Chemical Properties |                                                    |            |                        |                                      |
| 1                   | pH                                                 | -          | 6.95                   | IS 2720 (part 26)                    |
| 2                   | Electrical Conductivity                            | mmhos/cm   | 0.198                  | Methods Manual Soil Testing in India |
| 3                   | Organic Carbon                                     | %          | 0.98                   | IS 2720 (part 22)                    |
| 4                   | Calcium as Ca <sup>++</sup>                        | Meq/100 gm | 3.1                    | Methods Manual Soil Testing in India |
| 5                   | Magnesium as Mg <sup>++</sup>                      | Meq/100 gm | 5.6                    | Methods Manual Soil Testing in India |
| 6                   | Chlorides as Cl                                    | mg/kg      | 56.2                   | BIS 1377                             |
| 7                   | Sulphates as SO <sub>4</sub>                       | mg/kg      | 23.14                  | IS 2720 (part 27)                    |
| 8                   | Available Nitrogen as N                            | kg/ha      | 241.3                  | Methods Manual Soil Testing in India |
| 9                   | Total Phosphorous as P <sub>2</sub> O <sub>5</sub> | kg/ha      | 25.9                   | Methods Manual Soil Testing in India |
| 10                  | Total Potassium as K <sub>2</sub> O                | kg/ha      | 134.5                  | Methods Manual Soil Testing in India |
| 11                  | Sodium as Na                                       | mg/kg      | 25.9                   | Methods Manual Soil Testing in India |
| 12                  | Copper as Cu                                       | mg/kg      | 0.301                  | Methods Manual Soil Testing in India |
| 13                  | Iron as Fe                                         | mg/kg      | 4.112                  | Methods Manual Soil Testing in India |



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TC-9782

| Sr. No.             | Parameters | Unit       | Soil Near Project Site | Test Result                          |
|---------------------|------------|------------|------------------------|--------------------------------------|
| Lab Sample Code     |            |            | SO-1                   |                                      |
| Client Sample Code  |            |            | S-1                    |                                      |
| Physical Properties |            |            | Composite Sample       |                                      |
| 14                  | Zinc as Zn | mg/kg      | 0.037                  | Methods Manual Soil Testing in India |
| 15                  | CEC        | Meq/100 gm | 3.16                   | Methods Manual Soil Testing in India |
| 16                  | SAR        | -          | 0.79                   | Methods Manual Soil Testing in India |

For M/s Nilawar Laboratories,

  


**Dinesh Bangadkar**  
(Authorized Signatory)

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