



Date: 29/05/25

To

State Environment Impact Assessment Authority (SEIAA),  
Bay No. 55-58, Paryatan Bhavan, Sector-2,  
Panchkula, Haryana.

**Sub: Submission of Six Monthly Compliance Report of Stipulated Conditions of Environmental Clearance for Proposed Residential Group Housing Colony in the Revenue Estate of Village Pawala Khusrupur, Sector-106, Gurgaon Manesar Urban Complex, Haryana the period of June 2025.**

**Ref. No. 1. EC has been granted by SEIAA, Haryana through file no. SEIAA/HR/2022/243 and dated 05.12.2022 in name of Airmid Developers Ltd.**

**2. EC has been transfer from Airmid Developers Ltd To Elan Avenue Ltd by SEIAA, Haryana through file no. SEIAA/HR/2023/209 and dated 12.04.2023**

Sir,

In accordance to the environmental clearance for the above project received from the State Environment Impact Assessment Authority (SEIAA), Haryana, vide letter no. **SEIAA/HR/2023/209 and dated 12.04.2023**. We are submitting herewith six monthly compliance report of stipulated conditions of Environment Clearance (soft copy) for the period of **June 2025**.

Yours Faithfully

**For Elan Avenue Ltd**

**For ELAN AVENUE LTD.**

  
**Authorised Signatory**  
(Authorized signatory)

Name - Gaurav Khandelwal  
Designation- Authorized Signatory  
E-mail - Elancoordination@elanlimited.com  
Contact No.- 9311134842

  
Haryana State Pollution Control Board  
C-11, Sector 6, Panchkula  
30/5/25

Copy to:

1. The Regional Office, Ministry of Environment & Forests, MoEF&CC Govt. Of India, Bay's No. 24-25, sector-31-A, Dakshin Marg, Chandigarh.
- ✓ 2. The Chairman, Haryana State Pollution Control Board, C-11, Sector-6, Panchkula.

**ELAN AVENUE LIMITED**

(Formerly known as Airmid Developers Limited)

Registered Office: 15<sup>th</sup> Floor, Two Horizon Center, DLF Phase 5, Sector-43,  
Golf Course Road, Gurugram-122002, Haryana, India

Tel: 0124-4101100 • Email: info@elanlimited.com • Web: www.elanlimited.com  
CIN: U45400HR2007PLC104996



Date: 29/05/25

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Arvinder Dingra <elanlimited165@gmail.com>

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**Regarding: Submission of Six Monthly Compliance Report of Stipulated Conditions of Environmental Clearance for Proposed Residential Group Housing Colony in Revenue Estate of Village Pawala Khusrupur, Sector-106, Gurgaon Manesar Urban Complex, Haryana the period of June 2025.**

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Arvinder Dingra <elanlimited165@gmail.com>

31 May 2025 at 11:43

To: ecompliance-nro@gov.in

Cc: aman@vardan.co.in

Dear Sir,

We need to submit Six Monthly Compliance Report of Stipulated Conditions of Environmental Clearance to **Regional Office, Ministry of Environment, Forest & Climate Change** for Proposed Residential Group Housing Colony in Revenue Estate of Village Pawala Khusrupur, Sector-106, Gurgaon Manesar Urban Complex, Haryana the period of June 2025.

Thanks & Regards  
M/s Elan Avenue Limited



**Elan 106 Grpup Housing.pdf**

7632K



Date:

To

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# 1

## INTRODUCTION

### 1.1 Introduction

M/s Elan Avenue Limited has proposed Residential Group Housing Colony Revenue Estate Village-Pawala Khusrupur. Sector-106, Gurugram Manesar Urban Complex, Haryana.

This Project has obtained Environmental Clearance from State Environmental Impact Assessment Authority (SEIAA), Haryana, with certain conditions.

The project granted EC vide EC Identification No.-EC22B000HR161013 dated 05.12.2022 in the name of Airmid Developers Limited. The Project got Corrigendum vide Memo No. SEIAA/HR/2023/208 dated 12.04.2023.

### 1.2 Purpose of the Report

As per the "Sub Para (i)" of "Para 10" of EIA Notification 2006, it is stated that *"It shall be mandatory for the project proponent to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the concerned regulatory authority, on 1st June and 1st December of each calendar year"* and as per compliance condition mentioned in Environment Clearance Letter.

The regulatory authorities in this case are SEIAA, Punchkula, MoEF& CC, Chandigarh, HSPCB, Panchkula and MoEF Delhi. Various scheduled Site Visits were conducted by a team of Experts to Monitor Pollution related parameters as defined by CPCB / HSPCB. Samples for water and soil were also collected by NABL/ MoEF approved laboratory for analysis.

Based on the Specific and General Conditions mentioned in the EC Letter, a Compliance Report has been prepared and submitted regularly to the authority.

The Environmental assessment has been carried out to verify:

- 1) The proposed project has not any adverse effect on the project site as well as it's surrounding.
- 2) There is compliance with the conditions stipulated in the Environmental Clearance Letter.
- 3) The Project proponent is implementing the environmental safeguards in true spirit.
- 4) The non-conformity in the project with respect to the environmental implication of the project.
- 5) The project proponent is implementing the environmental pollution mitigative measures as suggested in approved Form-1 and Form – 1A, Environmental Management Plan and Building Plan.

### 1.3 Methodology for Preparation of Report is as follows:

- 1) Study of EC Letter & Related Documents,
- 2) Site Visits by a Team of Experts,
- 3) Monitoring of Environment Parameters, viz. Ambient Air, Water, and Noise& Soil by the NABL/Moef lab.

- 4) Interpretation of Monitoring Results.
- 5) Preparation of half yearly Environmental Compliance Report.

**1.4 Generic Structure of Report:**

- 1) Purpose of the Report, explaining the need of a Compliance Report and Methodology Adopted for preparation of Report.
- 2) Compliance Report, explaining the entire General & specific conditions in the EC Letter and providing details w.r.t. each condition/ guideline.
- 3) Monitoring Reports & Analysis, showing the level of emission within the project site for various Environment Parameters.
- 4) Photographs showing status of the project and site.
- 5) Supporting Documents which are mandatory for the project.

# 2

## ADHERENCE TO SPECIFIC AND GENERAL CONDITIONS

### A. Specific Conditions:

S. No.	Conditions of Environmental Clearance	Status of Compliance
1.	Sewage shall be treated in the STP based on latest Technology to achieve standards ordered by NGT. The Treated effluent from STP shall be recycled /reused for flushing, DG cooling and Gardening	<b>Assured to Comply</b> <i>The STP is under construction.                      The generated sewage during operational phase will be treated in the proposed STP with latest technology and Treated effluent from STP will be recycled/reused for flushing, DG cooling and Gardening.</i>
2.	The Project Proponent would devise a monitoring plan to the satisfaction of the State Pollution Control Board so as to continuously monitor the treated waste water being used for flushing in terms of faecal coli forms and other pathogenic bacteria	<b>Noted and Will be complied</b> <i>Regular monitoring of treated waste water will be done and all the parameters will be maintained as per the prescribed standards.</i>
3.	The PP shall ensure that total EMP Budget shall be spent on project during construction as well as during operational phase as per table given above. The EMP cost on Socio Economic activities shall be used before the commencement of the project & EMP recurring inside the project shall be implemented throughout the operation of the project. The PP shall establish Environment Monitoring Cell as per documents submitted	<b>Complied</b> <i>We have already prepared and submitted the detail of EMP Budget to the authority and the same will be complied in the due course of time. The copy of the EMP budget is attached as <b>Annexure -1</b>.</i>
4.	The project proponent shall upload the status of compliance of the basic details (given in above tables), stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	<b>Complied</b> <i>Monitoring data with environment clearance conditions including results of monitored data will be regularly uploaded on our website.</i>
5.	The Project Proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.	<b>Assured to Comply</b> <i>We ensure you that we will conduct the third party study related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied.</i>
6.	Separate wet and dry bins must be provided in each unit and at ground level for facilitating segregation of waste. Solid Waste shall be segregated into wet garbage and inert materials. Wet Garbage shall be composted in Organic waste convertor. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The Inert waste from the project will be sent to solid waste dumping site through authorized vender	<b>Complied</b> <i>Separate dust bins have been used to segregate the waste material on the project site. Different types of waste will be collected separately and disposed as per the norms.</i>
7.	Traffic management plan as submitted shall be implemented in letter and spirit. Apart, a detailed	<b>Assured to Comply</b> <i>Traffic management plan has been submitted along with</i>

**M/s Elan Avenue Limited Project: Environmental clearance Residential Group Housing Colony Revenue Estate of Village Pawala Khusrupur, Sector 106, Gurugram Manesar Urban Complex, Haryana  
EC No.-SEIAA/HR/2023/209 dated 12.04.2023**

	<p>traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is marinated and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or purpose to be carried out by the project or other agencies in this 05 kms radius of the site in different scenarios of space and time.</p>	<p><i>the application of Environment clearance to the authority and the same will be implemented in letter and spirit. The copy of Traffic impact analysis is attached as <b>Annexure-2</b></i></p>
8.	<p>No tree cutting has been proposed in the instant project. A minimum of 1 tree for every 80sqm of land should be planted and maintained. The Existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. As proposed 24,587.9630 m<sup>2</sup> (25.21% of plot area) shall be provided for Green Area development for whole project.</p>	<p><b>Noted and Will be complied</b> <i>No tree was felled without any prior permission from the department concerned. Trees will be planted as per landscape plan submitted during EC appraisal. Adequate green area will be developed in the due course of time at the project site</i></p>
9.	<p>The Project Proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.</p>	<p><b>Complied</b> <i>Most of the necessary and required clearances /permissions from relevant agencies including town planning authority have been obtained before commencement of work and will also be obtained as and when required. All the construction will be done in accordance with the local building byelaws.</i></p>
10.	<p>Consent to establish/operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of pollution) Act, 1981 and the Water (Prevention and control of pollution) Act, 1974.</p>	<p><b>Complied</b> <i>Consent to establish for the above said project is obtained from HSPCB as required under the Air (Prevention and Control of pollution) Act, 1981 and the Water (Prevention and control of pollution) Act, 1974 vide No. <b>HSPCB/Consent/: 329962323GUNOCTE36224969 dated 03/05/2023 is attached as Annexure-3.</b></i></p>
11.	<p>The Approval of the Competent Authority shall be obtained for structural safety of building code due to earthquakes, adequacy of fire-fighting equipment's etc. as per National Building Code including protection measures from lightening etc.</p>	<p><b>Will be Complied</b> <i>The structural safety certificate was already submitted along with the Environment Clearance application to the authority and the copy of same is attached as <b>Annexure-4</b></i></p>
12.	<p>The PP shall obtain the fire NOC from the Competent Authority before taking the Occupation the Building.</p>	<p><b>Will be Complied</b> <i>Fire NOC will be obtained from the Competent Authority before taking the occupation of the building.</i></p>
13.	<p>The PP shall install the Eco Friendly Green Transformer based on ester oil to reduce the carbon footprint. The PP shall shift to gas based generator set when the gas is available. The PP shall install APCM for the DG set. The PP shall reduce the SO<sub>2</sub> load by 30% if HSD is used. The DG sets will be operated for maximum 04 hours during power failure through Executing Agency</p>	<p><b>Will be Complied</b> <i>CPCB approved DG sets are installed at the project site during the construction phase and only used during the emergency or the time of no power supply.</i></p>
14.	<p>The PP shall increase solar power 3 to 5% of total power demand.</p>	<p><b>Noted and the same will be complied in the due course of time.</b></p>
15.	<p>The PP shall not give occupation or possession before the water supply and sewage connection permitted by the competent authority</p>	<p><b>Complied</b> <i>We have already obtained the water assurance dated 24.09.2024. The copy of same is attached as <b>Annexure-5.</b></i></p>

**M/s Elan Avenue Limited Project: Environmental clearance Residential Group Housing Colony Revenue Estate of Village Pawala Khusrupur, Sector 106, Gurugram Manesar Urban Complex, Haryana  
EC Identification No.- EC22B000HR161013 dated 05.12.2022 & its corrigendum vide letter No. SEIAA/HR/2023/208 dated-12.04.2023.**

16.	The PP shall not give occupation or possession before the electricity connection permitted by the competent Authority	<b>Complied</b> <i>We have already obtained the water assurance dated 24.09.2024. The copy of same is attached as <b>Annexure-5</b>.</i>
17.	The PP Shall obtain the permission regarding the withdrawal of ground water from CGWA before the start of the project and also obtained the CTO from HSPCB after the Approval from CGWA.	<b>Noted</b> <i>No ground water will be used at the project site before obtaining prior clearance from CGWA.</i>
18.	The PP shall carry out the quarterly awareness programs for the stakeholders of the project	<b>Noted and same will be complied.</b>
19.	24 Rain water harvesting recharge pits shall be provided for ground water recharging as per the CGWA Norms.	<b>Assured to Comply</b> <i>As the level of ground water is very high at the project site and hence Rain water collection tank is proposed as already mentioned in the submitted Environment Clearance application.</i>
20.	The PP shall install Digital water level recorder for monitoring the water recharge and carry out quarterly maintenance and cleaning of RWH pits	<b>Assured to Comply</b> <i>We will install the digital water level recorders for the monitoring of water recharge and also maintain logbook for the cleaning of the RWH pits.</i>
21.	The PP shall ensure the compliance of provisions of Plastic Waste Management (Amendment) Rules, 2022 relevant for the project.	<b>Noted and same will be complied as per the norms.</b>
22.	The PP may provide electric charging stations to facilitate electric vehicle commuters.	<b>Noted and same will be complied.</b>
23.	The PP shall provide the Anti-smog gun mounted on vehicle in the project for suppression of dust during construction & operational phase and shall use the treated water, if feasible.	<i>Complied during construction phase and Assured to Comply During operational phase. There are 4 number of Anti-smog guns are used on the site during construction and only treated water are used for the dust suppression.</i>  <i>Picture of the same is as below:</i>  
24.	The PP shall take all preventive measures including water sprinkles to control dust during construction and operational phase.	<b>Complied</b> <i>Adequate measures are already taken to control the dust during construction; Regular water sprinkling has been done.</i>
25.	Any change in stipulations of EC will lead to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance	<b>Noted</b> <i>Fresh Environmental clearance will be obtained before any change in project.</i>
26.	The PP shall get agreement with individual plot holder to plant one tree in each plot.	<b>Noted</b>
27.	The project is recommended on concept basis as such in case of any change in planning, the PP will obtain fresh EC.	<b>Noted and same will be complied.</b>
28.	PP shall maintain 25.21% of the Plot area as Green Area i.e. 24587.9630 Sqm as offered in the proposal and the same shall not be reduced/ modified or put to any other use / purpose.	<b>Noted and same will be Complied.</b>
29.	A buffer zone of 15 meters on both sides of HT line	<i>Buffer zone of 15 meters on both sides of HT line will be</i>

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shall be created, no construction to be carried out within the said zone

*created no construction is being carried out within said zone.*

**B. Statutory Compliance:**

S. No.	Conditions of Environmental Clearance	Status of Compliance
1.	The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority for ground coverage, FAR and should be in accordance with zoning plan approved by Competent Authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.	<b>Complied</b> <i>We have obtained necessary clearances before the start of construction. Construction is going on as per the NBC norms. Consent to establish for the above said project is obtained from HSPCB as required under the Air (Prevention and Control of pollution) Act, 1981 and the Water (Prevention and control of pollution) Act, 1974 vide No. <b>HSPCB/Consent/: 329962323GUNOCTE36224969 dated 03/05/2023 is attached as Annexure-3</b></i>
2.	The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightening etc.	<i>Noted and same will be submitted to the authority.</i>
3.	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project	<i>The project does not fall under any forest area marked by government. NOC from DFO has been obtained via Reference No.(SRN):-PW4-JG6-89PT dated 07.09.2022 and submitted to the authority and is attached as <b>Annexure-6</b>.</i>
4.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable	<i>"We have already submitted an undertaking to SEIAA regarding the same".</i>
5.	The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Haryana State Pollution Control Board.	<b>Complied</b> <i>Consent to establish for the above said project is obtained from HSPCB as required under the Air (Prevention and Control of pollution) Act, 1981 and the Water (Prevention and control of pollution) Act, 1974 vide No. <b>HSPCB/Consent/: 329962323GUNOCTE36224969 dated 03/05/2023 is attached as Annexure-3.</b></i>
6.	The project proponent shall obtain the necessary permission for drawl of ground water /surface water required for the project from the Competent authority.	<i>The same shall be obtained in future as per the requirement from the competent authority.</i>
7.	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.	<i>Power assurance has already been obtained vide Memo No.Ch 30/Drg. PLC dated 13.09.2024. Copy of power assurance is attached as <b>Annexure-7</b>.</i>
8.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, fire Department, Civil aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.	<i>As this is a construction project, no major amount of diesel will be stored at site. Hence NOC is not required. However, all other clearances/NOCs as per requirement have been obtained.</i>
9.	The provisions of the Solid waste (Management Rules, 2016, e-Waste (Management) Rules, 2016, and the plastic Waste (Management) Rules, 2016 shall be followed.	<b>Agreed to Comply</b>
10.	The project proponent shall follow the ECBC Act/ECBC-Rules prescribed by Bureau of Energy Efficiency, Ministry of Power strictly in addition of bylaws of the state Government.	<i>ECBC rules &amp; Regulations are being considered during construction phase.</i>

**I. Air Quality Monitoring and Preservation**

S. No.	Conditions of Environmental Clearance	Status of Compliance
i	Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.	<b>Noted for the compliance.</b> <i>Dust Mitigation measures and water sprinkling system is provided at site while construction activities.</i>
ii	A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.	<i>CPCB Compliant DG sets are used at the project site and they only run during the non-availability of power supply.</i>
iii	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.	<i>We have already installed sensors at our site. The copy of same is attached as <b>Annexure-8</b>.</i>
iv	Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of ultra-low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board	<i>Acoustically enclosed DG sets have been installed at the project site to conform to the guidelines under EPA Act.</i> <i>Picture of Acoustically enclosed DG sets:</i> 
v	Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.	<i>Temporary barricading has been provided at the construction site.</i> <i>Sign boards and screens are already provided at construction site.</i> <i>Construction material is being stored with cover and tarpaulins so that no dust emission occurs at and around the site.</i> <i>Picture of the covered and stored construction material :</i> 

*Picture of Site Barricading:*

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<b>vi</b>	Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.	Construction material has been kept covered properly to prevent the dust pollution. Picture of the same is provided below: 
<b>vii</b>	Wet jet shall be provided for grinding and stone cutting.	Noted and same is being provided.
<b>viii</b>	Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.	<b>Complied</b> Regular sprinkling is being done to suppress the dust.
<b>ix</b>	All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.	<b>Complied</b> Construction debris is being stored and used within the project to the extent possible and the excess will be disposed safely so that it would not create any adverse effects on environment as well as nearby societies.
<b>x</b>	The diesel generator sets to be used during construction phase shall be ultra-low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.	<b>Complied</b> CPCB Complied DG sets are installed at the project site with adequate stack height and acoustically enclosures.
<b>xi</b>	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Ultra low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.	<b>Complied</b> The DG Sets are provided with adequate stack height. Acoustic enclosure has been provided to the DG sets to mitigate the noise pollution. Ultra low sulphur diesel has been used. The location of the DG set and exhaust pipe height is as per the provisions of the Central Pollution Control Board (CPCB) norms.
<b>xii</b>	For indoor air quality the ventilation provisions as per National Building code of India.	Indoor air quality ventilation will be designed as per National Building code of India.

## II Water Quality Monitoring and Preservation

S. No.	Conditions of Environmental Clearance	Status of Compliance
[i]	The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.	<b>Noted.</b> <i>No construction shall be done to obstruct the natural drainage</i>
[ii]	Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.	<i>Building will be designed to follow the natural topography as much as possible.</i>
[iii]	Total fresh water use shall not exceed the proposed requirement as provided in the project details. The per capita supply should adhere to NBC 2016 and CGWA Notification dated 12.12.2018.	<i>Water assurance dated 24.09.2024 has been obtained. The copy of water assurance is attached as <b>Annexure-5</b>.</i>
[iv]	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC/SEIAA along with six monthly Monitoring reports.	<b>Noted</b> <i>Digital flow meters will be installed to monitor the water usage, water recycling and rainwater harvesting in the due course of time.</i>
[v]	A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the Project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.	<i>Water assurance from GMDA has been obtained by the project proponent. Water assurance dated 24.09.2024 has been obtained. The copy of water assurance is attached as <b>Annexure-5</b>.</i>
[vi]	At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.	<b>Noted.</b> <i>Building bye-laws shall be followed and at least 20% of the open spaces as required shall be kept pervious.</i>
[vii]	Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.	<i>Dual plumbing lines will be installed in the project for supplying fresh water for drinking, cooking and bathing etc. and recycled water for flushing, landscape irrigation etc.</i>
[viii]	Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.	<b>Noted.</b> <i>Feasible water saving devices/fixtures will be adopted.</i>
[ix]	Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system are done.	<i>Noted and Dual plumbing system will be installed.</i>
[x]	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	<i>Pre-mixed concrete, curing agents are being used wherever applicable to reduce the water demand during construction.</i>
[xi]	The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban	<b>Noted.</b> <i>Rainwater storage tank will be installed as the water level at the project site is very high and Rainwater storage tank will be installed as per the requirement.</i>

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S. No.	Conditions of Environmental Clearance	Status of Compliance
	Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.	
[xii]	A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.	<i>The rainwater storage tank will be installed as the water level at the project site is very high and hence the Rainwater harvesting pits are not feasible. No ground water will be extracted without any prior permission from the concerned authority..</i>
[xiii]	All recharge should be limited to shallow aquifer.	<i>Noted and will be complied.</i>
[xiv]	No ground water shall be used during construction phase of the project.	<i>Noted. Water requirement will be met through HUDA water supply.</i>
[xv]	Any groundwater dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.	<b>Noted.</b> <i>No Ground water will be used without approval from the CGWA.</i>
[xvi]	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC/SEIAA along with six monthly Monitoring reports.	<i>Flow meters will be installed during operational phase for measuring and maintaining water consumption records for different usages. And there after records will be submitted to Regional Office and MoEF&amp;CC along with six monthly compliances.</i>
[xvii]	Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re- used for flushing, AC make up water and gardening. As proposed, no treated water shall be disposed in to municipal drains.	<i>Treated sewage water will be reused for flushing, horticulture and other purposes at the project site once the STP get installed.</i>
[xviii]	No sewage or untreated effluent water would be discharged through storm water drains.	<i>The generated effluent water will be treated and used inside the project site for various purposes.</i>
[xix]	Onsite sewage treatment of capacity of treating 100% waste water to be installed the installation of the sewage treatment plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.	<i>Noted and the same will be complied.</i>
[xx]	Periodical monitoring of water quality of treated. Sewage shall be Conducted. Necessary measures should be made to mitigate the odour problem from STP.	<i>Periodic monitoring of treated water will be done to measure the quality of the water.</i>
[xxi]	Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry. Of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.	<b>Noted.</b>

**III. Noise monitoring and prevention.**

S. No.	Conditions of Environmental Clearance	Status of Compliance
1.	Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB I SPCB.	<i>Regular Noise level and ambient air quality survey is being carried out as per the guidelines. The lab reports are attached as <b>Annexure-9</b></i>
2.	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry/SEIAA as a part of six-monthly compliance report.	<i>Noise level survey is being carried out as per the guidelines. Monitoring reports are enclosed as <b>Annexure-9</b>.</i>
3.	Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.	<i>Acoustically enclosed DG sets and ear plugs for the operating personnel are provided at the project site as mitigation measures for noise impact due to ground sources. Picture of Acoustically enclosed DG sets:</i> 

**IV. Energy Conservation measures**

S. No.	Conditions of Environmental Clearance	Status of Compliance
(i)	Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency as per ECBC Act, 2017 read with ECBC Rules, 2018 shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC also which is no case shall be less than 25% as prescribed.	<i>Energy Conservation Building Code will be complied.</i>
(ii)	Outdoor and common area lighting shall be LED.	<i>PP has informed that the outdoor and common area will be lightened with LED light to reduce electricity load on power grid.</i>
(iii)	Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. Shall be incorporated in the building design. Wall, window, and roof R & U-values shall be as per ECBC specifications.	<i>We will ensure to comply with ECBC norm during building design.</i>
(iv)	Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the	<i>Energy conservation measures will be adopted by maximum use of LED lights and other energy efficient</i>

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	building should be integral part of the project design and should be in place before project commissioning.	<i>devices.</i>
<b>(v)</b>	Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-law's requirement, whichever is higher.	<i>Solar panels as per HREDA norms will be installed.</i>
<b>(vi)</b>	Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.	<i>Noted and will comply with all applicable norms of HAREDA.</i>
<b>(vii)</b>	The PP will submit report indicating compliance of each parameter of ECBC requirement and submit Quantification saving report for each component.	<i>Noted and will be complied.</i>

**V. Waste Management**

<b>S. No.</b>	<b>Conditions of Environmental Clearance</b>	<b>Status of Compliance</b>
<b>(i)</b>	A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to Cater to the M.S.W. generated from project shall be obtained.	<i>Noted.</i>
<b>(ii)</b>	Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	<i>We will ensure that disposal of muck during development and construction of the project not creates any adverse impact on nearby communities. Hazardous waste is being disposed off through authorized vendors.</i>
<b>(iii)</b>	Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.	<i>Some separate wet and dry bins has been provided within the project site to facilitate the segregation of Waste.</i>
<b>(iv)</b>	Organic Waste Converter within the premises with a minimum capacity of 0.5 kg /person/day must be installed. Leaves to be put in earmarked pits for Converting them into compost to be used as manure.	<i>The organic waste converter will be installed within the premises for biodegradable waste.</i>
<b>(v)</b>	All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.	<i>The Project is in construction phase no such big quantity is released. Once the project will be in operation phase the complete non-biodegradable waste will be handed over to authorized recyclers for which a written tie up will be done with the authorized recyclers.</i>
<b>(vi)</b>	Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.	<i>The hazardous waste generated during construction phase is spent oil which is given to authorized vendor.</i>
<b>(vii)</b>	Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.	<b>Complied</b> <i>The environment friendly material is being used in construction activities.</i>
<b>(viii)</b>	Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January; 2016. Ready mixed concrete	<i>The fly ash is used to the maximum extent. It will be used for bricks and for cementing purpose.</i>

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	must be used in building construction.	
(ix)	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.	<i>Construction waste was being majorly used within the site for backfilling or making temporary or permanent roads.</i>
(X)	Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.	<i>Used LEDs will be collected properly and disposed off through authorized vendor.</i>

**VI. Green Cover**

S. No.	Conditions of Environmental Clearance	Status of Compliance
1.	No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).	<i>The land to be developed for the project is a vacant land. No trees or plants have been cut.</i>
2.	A minimum of 1 tree (5" tall) for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.	<i>The landscape plan will be implemented with native species with heavy foliage, broad leaves and wide canopy cover.</i>
3.	Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for greenbelt development shall be provided as per the details provided in the project document.	<i>Noted &amp; Will be complied.</i>
4.	Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.	<i>Excavated top soil during construction phase is being stored properly to be later used in horticulture landscaping &amp; land filling.</i>

**VII. Transport**

S. No.	Conditions of Environmental Clearance	Status of Compliance
1.	A comprehensive mobility plan as per MoUD best practiced guidelines (URDPFI) shall be prepared to include motorized, non-motorized, public and private networks. Road should be designed with due consideration for environment and safety of users. The road system can be designed with these basic criteria a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic. b. Traffic calming measures. c. Proper design of entry and exit point. d. Parking norms as per local regulation.	<b><i>Complied.</i></b> <i>Appropriate integration of motorized &amp; non-motorized, public &amp; private networks shall be done. The roads have been designed to segregate the pedestrian &amp; vehicular traffic, considering traffic calming measures and the roads, turning radius, Entry/ Exit points &amp; parking areas will be designed by following the HUDA norms &amp; environment &amp; safety have been duly considered.</i>
2.	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be	<i>Vehicles operated during construction phase are having valid Pollution Under Control (PUC) certificates. Vehicle during operation phase will also be guided to have valid PUC certificates. The copy of Valid PUC is attached as</i>

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	operated only during non-peak hours.	<b>Annexure – 10.</b>
3.	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms Radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./competent authority for road augmentation and shall also have their consent to the implementation components of the plan which involve the participation of these departments the plan which involve the participation of these departments.	<b>Assured to Comply</b> <i>Traffic management plan will be implemented in letter and spirit. The copy of Traffic impact analysis is attached as Annexure-2 .</i>

**VIII. Human health issues**

S. No.	Conditions of Environmental Clearance	Status of Compliance
1.	All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.	<i>Proper PPE kits like hamlet, jackets, shoed and dust masks are provided to all workers working in the construction site. Picture of the same is below:</i>
2.	For indoor air quality the ventilation provisions as per National Building Code of India.	<i>Building will be designed as per NBC and indoor air quality ventilation will be designed accordingly.</i>
3.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	<i>Noted and will be complied.</i>
4.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	<i>Local contractors have been engaged for construction purposes &amp; temporary housing provision for the labours has been made by the contractor itself. Although drinking water, mobile toilet and medical health care facility is provided at the project site for the labour engaged in construction of project.</i>
5.	Occupational health surveillance of the workers shall be done on a regular basis.	<i>The proper health check-ups has been done for the workers on a regular basis.</i>
6.	A First Aid Room shall be provided in the project both during construction and operations of the project.	<i>A First Aid facility is being provided at site during construction phase and first aid facilities shall also be provided during the operation phase. Picture of the same is as below:</i>

**IX. Corporate Environment Responsibility**

S. No.	Conditions of Environmental Clearance	Status of Compliance
1.	The project proponent shall comply with the provisions of CER, as applicable.	<b>Noted.</b>
2.	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should	<i>We have well laid down environmental policy duly approved by the Board of Directors.</i>

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	prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental / forest / wild life norms / conditions and / or shareholders /stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC/SEIAA as a part of six-monthly report.	
3.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	<b>Complied.</b>
4.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office/SEIAA along with the Six Monthly Compliance Report.	<b>Will be complied.</b>

**X. Miscellaneous**

S. No.	Conditions of Environmental Clearance	Status of Compliance
1.	The project has been appraised on the concept basis as such PP will obtain fresh EC in case of change in the planning.	<b>Noted.</b>
2.	The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.	<b>Noted.</b>
3.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	<i>Copies of environmental Clearance have been submitted to Municipal Corporations, Local Body and NGOs.</i>
4.	The project proponent shall upload the status of compliance of the Stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	<b>Complied.</b> <i>The status of compliance has been submitted regularly.</i>
5.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at Environment Clearance Portal.	<i>We are submitting the compliance reports to the concerned departments regularly.</i>
6.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed	<b>Will be complied</b> <i>Form-V will be submitted to the State Pollution Control Board during project will be in operation phase.</i>

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	under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	
7.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	<i>Noted and will be complied.</i>
8.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	<b>Agreed and noted.</b>
9.	The project proponent shall abide by all the commitments and recommendations made in the form-IA, Conceptual Plan and also that during their presentation to the Expert Appraisal Committee	<b>Agreed and noted.</b>
10.	No further expansion or modifications in the plan shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)/SEIAA, Haryana. The project proponent shall seek fresh environmental clearance under EIA notification 2006 if at any stage there is change of area of this project.	<b>Noted.</b> <i>The Fresh environmental clearance will be applied before any change of area of this project.</i>
11.	Any change in planning of the approved plan will leads to environment. Clearance void-ab-intio and PP will have to seek fresh Environment Clearance	<b>Noted and Agreed</b> <i>Fresh environmental clearance will be applied before any change in the approved plan.</i>
12.	The PP should give unambiguous affidavit giving land Promoters in accordance with your ownership and possession of land legal the case referred for Environment Clearance to SEIAA.	<b>Noted and complied.</b>
13.	Concealing factual data or Submission of false/ fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	<b>Noted.</b>
14.	The Ministry/ SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	<b>Agreed.</b>
15.	The Ministry/SEIAA reserve the right to stipulated additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	<b>Noted and agreed.</b>
16.	The regional Office of this Ministry shall monitor compliance of the stipulated conditions. The Project authorities should extend full Cooperation to the officer (s) of the Regional office by furnishing the requisite data/ information/monitoring report.	<b>Noted and agreed.</b> <i>We will provide full cooperation the officers of the Regional office during the visit at the project site.</i>
17.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and other Wastes (Management and Trans boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1981 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any and any others Courts of Law relating to the subject matter.	<b>Noted and agreed.</b>
18.	The validity of this environment clearance letter is	<b>Noted and agreed.</b>

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	valid up to 10 years from the date of issuance of EC letter in accordance with the MoEF & CC, GoI Notification No. S.O.1807 (E), dated the 12th April, 2022. The environment clearance conditions applicable till life space project will continue to apply. In case of violation the action would be taken as per the laid down law of land. Compliance report should be sent to this office till life of the project.	<i>The compliance report will be submitted to the concerned departments till the life of the project.</i>
<b>19.</b>	If project is not completed within the validity period then the project proponent shall submit the application for extension of validity within one month before the lapse of validity period of Environment clearance i.e. 10 years.	<b><i>Agreed &amp; Noted.</i></b>
<b>20.</b>	The Project Proponent should intimate to the Authority as well as to the quarter concerned in case of any change in the present communication address.	<b><i>Noted.</i></b>

# 3

## DETAILS OF ENVIRONMENTAL MONITORING

### 3.1 AMBIENT AIR QUALITY MONITORING

#### 3.1.1 Ambient Air Quality Monitoring Stations

Ambient air quality monitoring has been carried out at 1 location (Project Site (Office Area)). This will enable to have a comparative analytical understanding about air quality and the changes in the air environment in the study area with respect to the condition prevailing. The location of the ambient air quality monitoring station are given in **Table 3.1**.

**Table 3.1 Details of Ambient Air Quality Monitoring Stations**

S. No.	Location	Location Name/ Description
1.	AAQ 1	Project Site (Office Area)

#### **AAQ-1: Project Site (Office Area)**

The sampler was placed near Project Site (Office Area) and was free from any obstructions. Surroundings of the sampling site represent Commercial environmental setting

#### 3.1.2 Ambient Air Quality Monitoring Methodology

Monitoring was conducted in respect of the following parameters:

- Particulate Matter (PM<sub>2.5</sub>)
- Particulate Matter (PM<sub>10</sub>)
- Sulphur Dioxide (SO<sub>2</sub>)
- Oxides of Nitrogen (NO<sub>x</sub>)
- Carbon Monoxide (CO)

Installation of Respirable Dust sampler (RDS) & Fine Particulate Sampler (FPS) was done with the attachment for the 24 hourly ambient air qualities monitoring as per Gazette Notification 16th November 2009.

The air samples were analyzed as per standard methods specified by Central Pollution Control Board (CPCB) and IS: 5182. The techniques used for ambient air quality monitoring and minimum detectable levels are given in **Table 3.2**.

Fine Particulate Sampler instruments have been used for monitoring Particulate Matter 2.5 (PM<sub>2.5</sub> i.e. <2.5 microns), and Respirable Dust Sampler was used for sampling Respirable fraction (<10 microns), gaseous pollutants like SO<sub>2</sub>, and NO<sub>x</sub>. Bladder and Aspirator bags were used for collection Carbon Monoxide samples. Gas Chromatography techniques have been used for the estimation of CO.

**Table 3.2 Techniques used for Ambient Air Quality Monitoring**

S. No.	Parameter	Technique	Technical Protocol
1	Particulate Matter 2.5	Fine Particulate Sampler, Gravimetric Method	#SOP No. VEL/SOP/01, Section No. SP 63
2	Particulate Matter 10	Respirable Dust Sampler, with cyclone separator, Gravimetric Method	IS-5182 (Part-23)
3	Sulphur dioxide	Modified West and Gaeke	IS-5182 (Part- 2)
4	Oxides of Nitrogen	Jacob & Hochheiser	IS-5182 (Part-6)
5	Carbon Monoxide	Gas Chromatography	IS-5182 (Part-10)

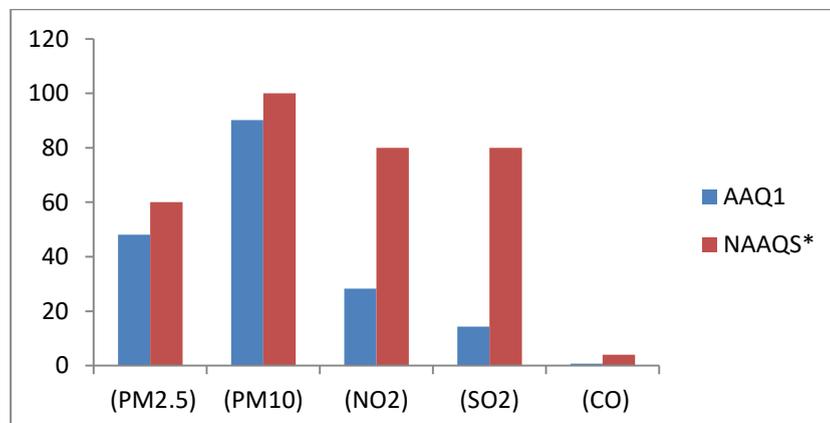
### 3.1.3 Ambient Air Quality Monitoring Results

The Detailed on-site monitoring results of PM<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> and CO are presented in **Table 3.3**.

**Table 3.3 Ambient Air Quality Monitoring Results**

S.No.	Parameter	AAQ1	NAAQS*
1.	Particulate Matter (PM2.5)	48.12	60
2.	Particulate Matter (PM10)	90.12	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	28.31	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	14.30	80
5.	Carbon Monoxide (CO)	0.72	4

\*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009



**Figure 3.1 Location-wise Variation of PM<sub>2.5</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub> & CO Ambient Air Quality**

### 3.1.4 Discussion on Ambient Air Quality in the Study Area

PM<sub>10</sub> and PM<sub>2.5</sub> levels at the project site are in the permissible limit of 100 µg/m<sup>3</sup> and 60 µg/m<sup>3</sup> respectively in all the areas (for commercial, rural and other areas as stipulated in the National Ambient Air Quality Standards). SO<sub>2</sub>, NO<sub>x</sub> and CO was observed within the corresponding stipulated limits (Limit for SO<sub>2</sub> and NO<sub>x</sub>: 80 µg/m<sup>3</sup> and limit for CO: 4.0 mg/m<sup>3</sup>) at all monitoring locations. Station wise variation of ambient air quality parameters has been pictorially shown in **Figure 3.1&3.2**.

## 3.2 AMBIENT NOISE MONITORING

### 3.2.1 Ambient Noise Monitoring Locations

The main objective of noise monitoring in the study area is to assess the present ambient noise levels near Project Site (Office Area), due to various construction allied activities and increased vehicular movement. A preliminary reconnaissance survey has been undertaken to identify the major noise generating sources in the area. Ambient noise monitoring was conducted at three locations at the boundary of the project site as given in **Table 3.4**.

**Table 2.4 Details of Ambient Noise Monitoring Station**

S. No.	Location Code	Location Name/ Description
1.	N1	Project Site (Office Area)

### 3.2.2 Methodology of Noise Monitoring

Noise levels were measured using sound level meter Noise level monitoring was carried out continuously for 24-hours with one hour interval starting at 06:00am to 06:00am next day. The noise levels were monitored on working days only. During each hour Leq were directly computed by the instrument based on the sound pressure levels. Monitoring was carried out at 'A' response

and fast mode.

### 3.2.3 Ambient Noise Monitoring Results

The location wise ambient noise monitoring results is summarized in **Table 3.5**. The location-wise variation of noise levels are graphically presented in **Figure 3.2**.

**Table 3.5 Ambient Noise Monitoring Results**

Parameters	N1	
	Day Time	Night Time
Leq	50.21	42.30
CPCB Limits in dB(A) Leq (Commercial Area)	65.00	55.00

### 3.2.4 Discussion on Ambient Noise Levels in the Study Area

#### Day Time Noise Levels (L<sub>day</sub>):

The day time noise level at location was found to within limits prescribed for Residential area i.e. 65

dB (A).

Night Time Noise Levels ( $L_{night}$ ):

The night time noise level at location was found to within limit prescribed for Residential area i.e. 55 dB (A).

### 3.3 SOIL MONITORING

#### 3.3.1 Soil Monitoring Locations

The objective of the soil monitoring is to identify the impacts of ongoing project activities on soil quality and also predict impacts, which have arisen due to execution of various constructions allied activities. Accordingly, a study of assessment of the soil quality has been carried out.

To assess impacts of ongoing project activities on the soil in the area, the Physico-chemical characteristics of soils were examined by obtaining soil samples from selected points and analysis of the same. Single sample of soil was collected from the project site for studying soil characteristics, the location of which is listed in **Table 3.6**.

**Table 3.6 Details of Soil Quality Monitoring Location**

S. No.	Location Code	Location Name/ Description
1.	S1	Project Site

#### 3.3.2 Methodology of Soil Monitoring

The sampling has been done in line with IS: 2720 & Methods of Soil Analysis, Part-1, 2nd edition, 1986 of American Society for Agronomy and Soil Science Society of America. The homogenized samples were analyzed for physical and chemical characteristics (physical, chemical and heavy metal concentrations).

The samples have been analyzed as per the established scientific methods for Physico-chemical parameters. The heavy metals have been analyzed by using Atomic Absorption Spectrophotometer.

#### 3.3.3 Soil Monitoring Results

Single sample of soil is collected from the site to check the quality of soil of the study area .The physico-chemical characteristics of the soil, as obtained from the analysis of the soil sample, are presented in **Table 3.9**.

**Table 3.9 Physico-Chemical Characteristics of Soil in the Study Area**

S. No.	Parameter	Test-Method	Result	Unit
1.	pH (at 25 °C)	IS : 2720 (P-26)	7.45	--
2.	Conductivity	IS:14767	0.357	mS/cm
3.	Soil Texture	VEL/EN/STP/64, Issue No.- 01, Issue Date-01/11/2023	Sandy Loam	--
4.	Color	VEL/EN/STP/67, Issue No.- 01, Issue Date-01/11/2023	Brownish	--
5.	Water holding capacity	VEL/EN/STP/86, Issue No.- 01, Issue Date-01/11/2023	31.20	%
6.	Bulk density	VEL/EN/STP/59, Issue No.- 01, Issue Date-01/11/2023	1.52	gm/cc
7.	Chloride as Cl	VEL/EN/STP/69, Issue No.- 01, Issue Date-01/11/2023	195.24	mg/kg

**M/s Elan Avenue Limited Project: Environmental clearance Residential Group Housing Colony Revenue Estate of Village Pawala Khusrupur, Sector 106, Gurugram Manesar Urban Complex, Haryana  
EC No.-SEIAA/HR/2023/209 dated 12.04.2023**

8.	Calcium as Ca	VEL/EN/STP/72, Issue No.- 01, Issue Date-01/11/2023	152.34	mg/kg
9.	Sodium as Na	VEL/EN/STP/62, Issue No.- 01, Issue Date-01/11/2023	112.34	mg/kg
10.	Potassium as K	VEL/EN/STP/61, Issue No.- 01, Issue Date-01/11/2023	96.42	mg/kg
11.	Organic Matter	IS 2720 (P-22), Titrimetric Method	0.62	%
12.	Magnesium as Mg	VEL/EN/STP/72, Issue No.- 01, Issue Date-01/11/2023	52.30	mg/kg
13.	Available Nitrogen as N	IS:14684 Distillation Method	210.50	kg/hect.
14.	Available Phosphorus	VEL/EN/STP/73, Issue No.- 01, Issue Date-01/11/2023	21.81	kg/hect.
15.	Zinc (as Zn)	VEL/HW/STP/03, Issue No.- 01, Issue Date-01/11/2023	20.31	mg/kg
16.	Manganese (as Mn )	VEL/HW/STP/03, Issue No.- 01, Issue Date-01/11/2023	14.25	mg/kg
17.	Lead (as Pb)	VEL/HW/STP/03, Issue No.- 01, Issue Date-01/11/2023	8.20	mg/kg
18.	Cadmium (as Cd)	VEL/HW/STP/03, Issue No.- 01, Issue Date-01/11/2023	BLQ (LOQ- 0.5)	mg/kg
19.	Chromium (as Cr)	VEL/HW/STP/03, Issue No.- 01, Issue Date-01/11/2023	12.60	mg/kg
20.	Copper (as Cu )	VEL/HW/STP/03, Issue No.- 01, Issue Date-01/11/2023	11.30	mg/kg

#### 3.4.4 Discussion on Soil Characteristics in the Study Area

The soil in study area is characterized by moderate organic content. The soil quality in the project area has not been affected by the project activities.

### 3.4 WATER QUALITY MONITORING

#### 3.4.1 Drinking Water Quality Monitoring Locations

Keeping in view the importance of Drinking Water as an important source of drinking water to the local population, sample of ground water was collected from the project site for the assessment of impacts of the project on the groundwater quality.

Water sample was collected from the project site. The sample was analyzed for various parameters to compare with the standards for drinking water as per IS: 10500 for ground water sources. The details of water sampling locations are given in **Table 3.6**.

**Table 3.6 Details of Water Quality Monitoring Station**

S. No.	Location Code	Location Name/ Description
1.	DW 1	Drinking Water (Project Site)

#### 3.4.2 Methodology of Ground Water Quality Monitoring

Sampling of Drinking water was carried out on **29.04.2025**. Samples were collected as grab sample and sampling forms are filled in as per the sampling plan. The preservative sample were properly added to preserve as per standard operating procedures (SOP) and stored immediately in ice boxes, which were ensured for appropriate temperatures. Sample for chemical analysis was collected in polyethylene carboys. Sample collected for metal content were acidified to <2 pH with 1 ml HNO<sub>3</sub>. A sample for bacteriological analysis was collected in sterilized glass bottles.

Soon after the completion of sampling, chain of custody sheets for the samples are filled in and then they were transported to laboratory for further analysis. Proper care was taken during packing and transportation of samples. All the samples reached the central laboratory within the holding times for

different parameters. After ensuring the same the samples were forwarded immediately for analysis.

The samples were analyzed as per the standard procedures specified in 'Standard Methods for the Examination of Water and Wastewater' published by American Public Health Association (APHA) and CPCB. The analytical techniques and the test methods adopted for testing of Drinking water are given in **Table 3.7**.

### 3.4.3 Drinking water Quality Monitoring Results

The detailed Drinking water quality monitoring results are presented in **Table 3.7**

**Table 3.7 Drinking water Quality Monitoring Result**

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 - 2012	
					Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source
1.	pH (at 25 °C)	IS3025 (P-11)	7.62	--	6.5 to 8.5	No Relaxation
2.	Colour	IS3025 (P-4)	BLQ(LOQ-1.0)	Hazen	5	15
3.	Turbidity	IS3025 (P-10)	<1.0	NTU	1	5
4.	Odour	IS3025 (P-5)	Agreeable	--	Agreeable	Agreeable
5.	Taste	IS3025 (P-8)	Agreeable	--	Agreeable	Agreeable
6.	Total Hardness (as CaCO <sub>3</sub> )	IS3025 (P-21)	84.20	mg/l	200	600
7.	Calcium (as Ca)	IS3025 (P-40)	19.34	mg/l	75	200
8.	Alkalinity (as CaCO <sub>3</sub> )	IS3025 (P-23)	85.20	mg/l	200	600
9.	Chloride (as Cl)	IS 3025 (P-32)	26.31	mg/l	250	1000
10.	Cyanide (as CN)	IS 3025 (P-27)	BLQ(LOQ-0.02)	mg/l	0.05	No Relaxation
11.	Magnesium (as Mg)	IS3025 (P-46)	8.71	mg/l	30	100
12.	Total Dissolved Solids	IS3025 (P-16)	130.00	mg/l	500	2000
13.	Sulphate(as SO <sub>4</sub> )	IS3025 (P-24)	6.34	mg/l	200	400
14.	Fluoride (as F)	IS 3025 (P-60)	0.24	mg/l	1.0	1.5
15.	Nitrate (as NO <sub>3</sub> )	IS3025 (P-34)	2.30	mg/l	45	No Relaxation
16.	Iron (as Fe)	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.01)	mg/l	1.0	No relaxation

**M/s Elan Avenue Limited Project: Environmental clearance Residential Group Housing Colony Revenue Estate of Village Pawala Khusrupur, Sector 106, Gurugram Manesar Urban Complex, Haryana  
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17.	Aluminum (as Al)	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.002)	mg/l	0.03	0.2
18.	Boron	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.01)	mg/l	0.5	2.4
19.	Total Chromium (as Cr)	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.01)	mg/l	0.05	No Relaxation
20.	Phenolic Compounds	IS3025 (P-43)	BLQ(LOQ-0.0005)	mg/l	0.001	0.002
21.	Mineral Oil	IS 3025 (P-39)	BLQ(LOQ-0.1)	mg/l	1.0	No Relaxation
22.	Anionic Detergents (as MBAS)	IS3025 (P-68)	BLQ(LOQ-0.05)	mg/l	0.2	1.0
23.	Zinc (as Zn)	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.01)	mg/l	5	15
24.	Copper (as Cu)	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.002)	mg/l	0.05	1.5
25.	Manganese (as Mn)	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.01)	mg/l	0.1	0.3
26.	Cadmium (as Cd)	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.002)	mg/l	0.003	No Relaxation
27.	Lead (as Pb)	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.002)	mg/l	0.01	No Relaxation
28.	Selenium (as Se)	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.001)	mg/l	0.01	No Relaxation
29.	Arsenic (as As)	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.005)	mg/l	0.01	No Relaxation
30.	Mercury (as Hg)	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.0005)	mg/l	0.001	No Relaxation
31.	Total Coliform	IS 15185	Absent	/100ml	Shall not be detectable in any 100 ml sample	
32.	E. coli	IS 15185	Absent	/ 100ml	Shall not be detectable in any 100 ml sample	

Note:-This Report Complies as per IS: 10500:2012 (RA: 2018)

\*BLQ-Below Limit of Quantification, \*\*LOQ- Limit of Quantification.

© Amendment No.1 in June 2015 (Limits of Iron & Arsenic) and Amendment No.2 in Sept. 2018 (Limit of Boron & IS method of Total Coliform & E.Coli) & Amendment No.3 in Feb. 2021 (Limit of Mineral Oil).

### 3.5 Stack Emission Monitoring

**Table 3.10 Details of Stack Monitoring Stations**

S. No.	Location Code	Capacity
1.	DG1	250 KVA
2.	DG2	250 KVA

**Table 3.11 Stack Monitoring Results**

**Location- DG1**

S. No.	Parameter	Protocol	Result	Unit	Limits (As Per CPCB)
1.	Particulate Matter (as PM)	IS 11255 (P-1):2019	0.017	gm/kw-hr	0.02
2.	Oxide of Nitrogen (as NO <sub>x</sub> )	VEL/EN/STP/146,, Issue No.-01, Issue Date-01/11/23	0.275	gm/kw-hr	0.40
3.	Total Hydrocarbon (as HC)	VEL/EN/STP/137,Issue No.-01, Issue Date-01/11/23	0.062	gm/kw-hr	0.19
4.	Sulphur Dioxide (as SO <sub>2</sub> )	IS 11255 (p-2)	0.086	gm/kw-hr	Not Specified
5.	Carbon Monoxide (as CO)	VEL/EN/STP/146,, Issue No.-01, Issue Date-01/11/23	0.312	gm/kw-hr	3.5

**Table 3.12 Stack Monitoring Results**

**Location- DG2**

S. No.	Parameter	Protocol	Result	Unit	Limits (As Per CPCB)
1.	Particulate Matter (as PM)	IS 11255 (P-1):2019	0.017	gm/kw-hr	0.02
2.	Oxide of Nitrogen (as NO <sub>x</sub> )	VEL/EN/STP/146,, Issue No.-01, Issue Date-01/11/23	0.285	gm/kw-hr	0.40
3.	Total Hydrocarbon (as HC)	VEL/EN/STP/137,Issue No.-01, Issue Date-01/11/23	0.068	gm/kw-hr	0.19
4.	Sulphur Disoxide (as SO <sub>2</sub> )	IS 11255 (p-2)	0.096	gm/kw-hr	Not Specified
5.	Carbon Monoxide (as CO)	VEL/EN/STP/146,, Issue No.-01, Issue Date-01/11/23	0.320	gm/kw-hr	3.5

**3.6 Point Source (DG Noise) Monitoring**

**Table 3.13 Details of Point Source Monitoring Stations**

S. No.	Location Code	Capacity
1.	DG1	250 KVA
2.	DG2	250 KVA

**Table 3.14 DG Noise Monitoring Results**

S. No.	Parameters	Protocol	Result dB(A)		
			Open the Canopy of DG Set Result dB(A)	Close the Canopy of DG Set (0.5 Meter Distance) Result dB(A)	Insertion Loss
1.	L <sub>eq</sub>	IS-4758	96.5	71.2	25.3
2.	CPCB Limits in dB (°A)	-	--	75.00	25.00



M/s Elan Avenue Limited Project: Environmental clearance Residential Group Housing Colony Revenue Estate of Village Pawala Khusrupur, Sector 106, Gurugram Manesar Urban Complex, Haryana  
EC Identification No.- EC22B000HR161013 dated 05.12.2022 & its corrigendum vide letter No. SEIAA/HR/2023/208 dated-12.04.2023.



M/s Elan Avenue Limited Project: Environmental clearance Residential Group Housing Colony Revenue Estate of Village Pawala Khusrupur, Sector 106, Gurugram Manesar Urban Complex, Haryana  
EC No.-SEIAA/HR/2023/209 dated 12.04.2023



***Annexure***

**Expenditure done on EMP budget**

<b>Description</b>	<b>Expense done (INR) (2022 to till now)</b>
Monitoring for Air, Water, Stack, emission & Noise	26,900
Sanitation and Wastewater Management ( Modular STP)	29,80,595
Garbage & Debris disposal	4,85,000
Rainwater harvesting system	-
Dust mitigation measures including Barricading, water sprinkling, anti-smog gun	44,05,209
Stack for DG set	1,00,000
Greenbelt development/landscaping	2,19,38,603
<b>Total</b>	<b>2,99,36,307</b>

## 1.0 TRAFFIC IMPACT ANALYSIS

### During Construction Phase

**Table 1.1: No. of Vehicles per Day (Construction Phase)**

S.No.	Mode of Transportation	No. of Vehicles Used/Day	PCU Factor	PCU/Day	PCU/hr
1	Tankers	5	5	25	2.5
2	Trucks	4	3.7	14.8	1.48
4	Car	10	1	10	1
5	Two-wheelers	20	0.75	15	1.5
6	Three-wheelers	15	2	30	3
	Total	<b>50</b>		<b>94.8</b>	<b>9.48</b>

\* Construction activity time period has been taken as 10 hr. /day and on that basis above PCU/hr. calculated.

**Table 1.2: Modified Traffic Scenario and LOS (Construction Phase)**

Road	Increased PCU's- State/National highway	Increased Volume ( V)	Capacity ( C)	Modified V/C Ratio	LOS
NH-48	35% of 9 = 3.15	$2054+3.15 = 2057.15$	5400	0.381	<b>B</b>
NH-248 A	20% of 9 = 1.8	$765+1.8 = 766.8$	5400	0.142	<b>A</b>
NH-148A	20% of 9 = 1.8	$855+1.8 = 856.8$	3600	0.238	<b>B</b>
SH-15A	15% of 9 = 1.3	$697+1.8 = 698.8$	3600	0.194	<b>A</b>
MDR-136	10% of 9 = 0.9	$542+0.9 = 542.9$	3600	0.151	<b>A</b>

### During Operation Phase

**Table 1.3: No. of Vehicles per Day (Operation Phase)**

S.No.	Mode of Transportation	No. of trips/Day	PCU Factor	PCU/Day	PCU/hr
1	Car	3049	1	3049	127.04

2	Two-Wheelers	450	0.75	337.5	14.06
3	Three-wheelers	30	2	60	2.50
	<b>Total</b>	<b>3529</b>		<b>3446.5</b>	<b>143.60</b>

\*Probable maximum 10% traffic will be move at hourly basis on existing road (NH-48, NH-248A, NH-148A, SH-15A and MDR-136)

**Table 1.4: Modified Traffic Scenario and LOS (Operation Phase)**

Road	Increased PCU's- State/National highway	Increased Volume (V)	Capacity (C)	Modified V/C Ratio	LOS
NH-48	35% of 84 = 29.4	2054+29.4 = 2083.4	5400	0.386	<b>B</b>
NH-248 A	20% of 84 = 16.8	765+16.8 = 781.8	5400	0.145	<b>A</b>
NH-148A	20% of 84 = 16.8	855+16.8 = 871.8	3600	0.242	<b>B</b>
SH-15A	15% of 84 = 12.6	697+12.8 = 709.8	3600	0.197	<b>A</b>
MDR-136	10% of 84 = 8.4	603+8.4 = 611.4	3600	0.170	<b>A</b>

## CONCLUSION

### During Existing Scenario

Not much impact on local transport during construction phase, as 50 vehicles will be required for transport of construction materials and other transportation activities. The LOS value from the proposed Residential group housing colony project change *i.e.* LOS value for NH-48, NH-148A will remain same as 'Very Good' and LOS value for NH-248A, MDR-136 and SH-15A will remain same as 'Excellent'. So the additional load on the carrying capacity of the concern roads is not likely to have major affect.

### During Construction and Operation phase

The V/C ratio is found out to be 0.380 on NH-48, 0.142 on NH-248A, 0.237 on NH-148A, 0.194 on SH-15A and 0.151 on MDR-136 the proposed project will result in a modified V/C ratio during construction phase to be 0.381 on NH-48, 0.142 on NH-248A, 0.238 on NH-148A, 0.194 on SH-15A and 0.151 on MDR-136 and during operation to be 0.386 on NH-

48, 0.145 on NH-248A, 0.242 on NH-148A, 0.197 on SH-15A and 0.170 on MDR-136. Thus the additional load on the carrying capacity of the concern roads is not likely to have any significant adverse effect.



# HARYANA STATE POLLUTION CONTROL BOARD

HSPCB Gurgaon North Vikas Sadan, 1st Floor, Near DC Court,

Gurgaon Ph.0124-2332775 Email:-

hspcbrogrn@gmail.com

Website: www.hrocmmns.nic.in E-Mail - hspcbho@gmail.com

Telephone No.: 0172-2577870-73



No. HSPCB/Consent/ : 329962323GUNOCTE36224969

Dated:03/05/2023

To.

M/s : Elan Avenue Limited

Village - Pawala Khusrupur, Sector - 106, Gurugram, Haryana

GURGAON

122006

## Sub. : Grant of consent to Establish to M/s Elan Avenue Limited

Please refer to your application no. 36224969 received on dated 2023-04-17 in regional office Gurgaon North.

With reference to your above application for consent to establish, M/s Elan Avenue Limited is here by granted consent as per following specification/Terms and conditions.

<b>Consent Under</b>	AIR/WATER
<b>Period of consent</b>	03/05/2023 - 04/12/2032
<b>Industry Type</b>	Building and Construction projects having waste water generation more than 100 KLD in respective of their built-up area
<b>Category</b>	RED
<b>Investment(In Lakh)</b>	116457.0
<b>Total Land Area (Sq. meter)</b>	97529.08
<b>Total Builtup Area (Sq. meter)</b>	473945.0
<b>Quantity of effluent</b>	
1. Trade	0.0 KL/Day
2. Domestic	887.0 KL/Day
<b>Number of outlets</b>	1.0
<b>Mode of discharge</b>	
1. Domestic	STP
2. Trade	
<b>Permissible Domestic Effluent Parameters</b>	
1. BOD	10 mg/l
2. COD	50 mg/l
3. TSS	20 mg/l
4. O&G	10 mg/l
5. pH	5.5-9.0

<b>Permissible Trade Effluent Parameters</b>	
1. NA	mg/l
Number of stacks	3
<b>Height of stack</b>	
1. Stack to DG set 2000 KVA x 4	6 Meter
2. Stack to DG set 1500 KVA x 4	6 Meter
3. Stack to DG set 1000 KVA	6 Meter
<b>Permissible Emission parameters</b>	
1. NA	
<b>Capacity of boiler</b>	
1. NA	Ton/hr
<b>Type of Furnace</b>	
1. NA	
<b>Type of Fuel</b>	
1. Diesel	5.15 KL/day

## HARYANA STATE

*Regional Officer, Gurgaon North*

*Haryana State Pollution Control Board.*

### Terms and conditions

1. The industry has declared that the quantity of effluent shall be 887 KL/Day i.e 0KL/Day for Trade Effluent, 0 KL/Day for Cooling, 887 KL/Day for Domestic and the same should not exceed .
2. The above 'Consent to Establish' is valid for 60 months from the date of its issue to be extended for another one year at the discretion of the Board or till the time the unit starts its trial production whichever is earlier. The unit will have to set up the plant and obtain consent during this period.
3. The officer/official of the Board shall have the right to access and inspection of the industry in connection with the various processes and the treatment facilities being provided simultaneously with the construction of building/machinery. The effluent should conform the effluent standards as applicable
4. That necessary arrangement shall be made by the industry for the control of Air Pollution before commissioning the plant. The emitted pollutants will meet the emission and other standards as laid/will be prescribed by the Board from time to time.
5. The applicant will obtain consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21/22 of the Air (Prevention & Control of Pollution) Act,1981 as amended to-date-even before starting trial production
6. The above Consent to Establish is further subject to the conditions that the unit complies with all the laws/rules/decisions and competent directions of the Board/Government and its functionaries in all respects before commissioning of the operation and during its actual working strictly.
7. No in-process or post-process objectionable emission or the effluent will be allowed, if the scheme furnished by the unit turns out to be defective in any actual experience

8. The Electricity Department will give only temporary connection and permanent connection to the unit will be given after verifying the consent granted by the Board, both under Water Act and Air Act.
9. Unit will raise the stack height of DG Set/Boiler as per Board's norms.
10. Unit will maintain proper logbook of Water meter/sub meter before/after commissioning.
11. That in the case of an industry or any other process the activity is located in an area approved and that in case the activity is sited in an residential or institutional or commercial or agricultural area, the necessary permission for siting such industry and process in an residential or institutional or commercial or agricultural area or controlled area under Town and Country Planning laws CLU or Municipal laws has to be obtained from the competent Authority in law permitting this deviation and be submitted in original with the request for consent to operate.
12. That there is no discharge directly or indirectly from the unit or the process into any interstate river or Yamuna River or River Ghaggar.
13. That the industry or the unit concerned is not sited within any prohibited distances according to the Environmental Laws and Rules, Notification, Orders and Policies of Central Pollution control Board and Haryana State Pollution Control Board.
14. That of the unit is discharging its sewage or trade effluent into the public sewer meant to receive trade effluent from industries etc. then the permission of the Competent Authority owing and operating such public sewer giving permission letter to his unit shall be submitted at time of consent to operate.
15. That if at any time, there is adverse report from any adjoining neighbor or any other aggrieved party or Municipal Committee or Zila Parishad or any other public body against the unit's pollution; the Consent to Establish so granted shall be revoked.
16. That all the financial dues required under the rules and policies of the Board have been deposited in full by the unit for this Consent to Establish.
17. In case of change of name from previous Consent to Establish granted, fresh Consent to Establish fee shall be levied.
18. Industry should adopt water conservation measures to ensure minimum consumption of water in their Process. Ground water based proposals of new industries should get clearance from Central Ground Water Authority for scientific development of previous resource.
19. That the unit will take all other clearances from concerned agencies, whenever required.
20. That the unit will not change its process without the prior permission of the Board.
21. That the Consent to Establish so granted will be invalid, if the unit falls in Aravali Area or non conforming area.
22. That the unit will comply with the Hazardous Waste Management Rules and will also make the non-leachate pit for storage of Hazardous waste and will undertake not to dispose off the same except for pit in their own premises or with the authorized disposal authority.
23. That the unit will submit an undertaking that it will comply with all the specific and general conditions as imposed in the above Consent to Establish within 30 days failing which Consent to Establish will be revoked.
24. That unit will obtain EIA from MoEF, if required at any stage.
25. In case of unit does not comply with the above conditions within the stipulated period, Consent to Establish will be revoked.

26. That unit will obtain consent to operate from the board before the start of product activity.

### Specific Conditions

### Other Conditions :

1. The project proponent will obtain all necessary clearances from all concerned departments.
2. Project proponent will not change the quantity of domestic effluent/trade effluent/air emission without prior permission of the Board. Project Proponent will obtain prior CTO before starting of production and apply for CTO/ CTE Extension at least 90 days before expiry date of this CTE.
3. Project Proponent will install STP/ETP/APCM along with the main project.
4. Project Proponent will install adequate acoustic enclosures/chambers on their DG SETS with proper stack height as per prescribed norms to meet the prescribed standards under EP Rules.
5. Project Proponent will comply with the provisions of Water Act, 1974, Air Act, 1981, Solid Waste Management Rules, 2016, Hazardous & Other Waste Management Rules, 2016, Plastic Waste Management Rules, 2016, E-Waste Management Rules, 2016, Battery Managements Rules, C&D Waste Management Rules, 2016& amendments and other applicable environmental legislation.
6. Project Proponent will use only treated effluent supplied from Sewage treatment plant during construction phase of the project
7. That this CTE will not provide any relaxation /benefit from any other Act/Rules/Regulations applicable to the project/land in question.
8. Project Proponent will not discharge any type Treated or untreated effluent outside the premises of the project.
9. Project Proponent will not use in their DG set as a fuel i.e. pet coke, furnace oil and LSHS etc.
10. Stack emission level should be stringent than the existing standards in terms of the identified critical pollutants.
11. Effective fugitive emission control measures should be imposed in the process, transportation, parking etc.
12. Encourage use of cleaner fuels (pet coke / furnace oil /LSHS may be avoided).
13. Best available technology may be used. For example usage of EAF/SAF/IF in place of Cupola Furnace, Usage of Supercritical technology in place of sub – critical technology.
14. Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever feasible.
15. Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry etc.
16. Assessment of carrying capacity of transportation load on the roads inside the industrial premises. If the roads required to be widened, shall be prescribed as a condition.
17. Project Proponent will not discharge any type of effluent inside & outside of the premises of the project and reuse/recycle of treated waste water be ensured.
18. Continuous monitoring of emission and effluent quality / quantity to be installed & will connect the same with server of CPCB and HSPCB.
19. A detailed water harvesting plan may be submitted by the project proponent.
20. Project Proponent will achieve zero discharge and install latest technology of STP/ETP and reuse/recycle of treated effluent.
21. In case, domestic waste water generation is more than 10 KLD, the industry may install STP.
22. Dumping of waste (fly ash, slag, red mud etc.) may be permitted only at designated locations approved by SPCBs/PCCs.
23. More stringent norms for management of hazardous waste. The waste generated should be preferably utilized in co-processing.
24. Monitoring of compliance of EC conditions may be submitted with third party audit every year.
25. Project Proponent will dispose off their waste/spent oil of DG sets only to authorize recyclers by the HSPCB.
26. The % of the CER may be least 1.5 times the slabs given in the OM dated 01.05.2018 for SPA and 2 times for CPA in case of Environmental Clearance.
27. Project proponent will comply all the directions of CPCB in this regard and will comply all the orders issued by any court in this regard.
28. Project Proponent will submit an affidavit regarding compliance of above said conditions within 30 days.
29. The above Consent to Establish is further subject to the conditions that the unit complies with all the laws/rules/decisions and competent directions of the Board/Government and its functionaries in all respects before commissioning of the operation and during its actual working strictly.
30. Unit will deploy anti –smog guns at site to comply with the above said directions & keep proper record of operation of the same and submit action taken report to this office within 03 days positively, failing which action shall be initiated as per applicable Acts/ Rules /Notifications.
31. Project proponent will comply with all the conditions mentioned in Environmental Clearance and submit the compliance of the same within 90 days to this office.
32. CTE so granted is on the basis of detail submitted by the unit in online application, CTE granted will be without prejudice to any violation made by unit in past & will be deemed revoked & further action will be taken as per law if any violation is observed at any stage.
33. The Project Proponent/unit will not claim any benefits on the basis of this CTE in respect of past violation committed by them
34. This CTE is valid only valid for the area for which unit has obtained License from DTCP and Aravali clearance from Deputy Commissioner.
35. At any stage, if any violation observed of any above conditions at any time, this CTE stands cancelled /revoked & further action will be taken as per law if any violation is observed at any stage.

**KULDEEP SINGH** Digitally signed by KULDEEP  
SINGH  
Date: 2023.05.03 17:29:30 +05'30'  
***Regional Officer, Gurgaon North***  
***Haryana State Pollution Control Board.***



**FORM BR-V (A2)**

[See code 2.1 (1) (viii)]

Certificate of conformity to rules and structural safety for all buildings except as stated in Form BR-V(A1)

Certificate to be submitted along with the building application in Form BR-I duly signed by the Architect and Empanelled Structural Engineer, Empanelled Proof Consultant and Empanelled Geo-Technical Engineer, if applicable.

**Details of the building for which the certificate is issued**

Plot No. Revised Building plans submitted herewith for Group Housing Colony with mix use (99% Residential & 1% Commercial) under TOD Policy-2016 on land measuring 24.10 acres (License No. 80 of 2012 Dated 17.08.2012) in Sector-106, Gurugram Manesar Urban Complex being developed by Elan Avenue Limited (Formerly known as Airmid Developers Ltd.).

Sector : 106

Colony : Group Housing Colony

City/Town : Gurugram

Name of the Owner: Elan Avenue Limited (Formerly known as Airmid Developers Ltd.)

Complete address of the owner: 15th Floor, Two Horizon Center, DLF Phase 5, Sector-43, Golf Course Road Gurugram-122002

Ar. Ravinder Kumar

CA/2012/55971

**A. Building Plans:**

- i. Name of Architect: Ravinder Kumar  
ii. Council of Architecture Registration No. CA/2012/55971 valid upto 31.12.2024  
iii. Complete Address: Plot no-428, Stilt floor sector 37C Gurgaon  
iv. E-Mail : akgassociates@gmail.com  
v. Mobile no. +91-8860131417

**B. Structural Design**

(a) Empanelled Structural Engineer:

- i. Name: Nikhil Umesh Joshi  
ii. Qualifications: M.Sc. (Structures)  
iii. Department TPR No.- TPR-823A-2024  
iv. Complete Address ; JW Consultants LLP, Sai Radhe, Office No. 201, 2nd floor, Behind Hotel Sheraton Grand, 100-101 Kennedy Road, Pune 411001.  
v. E-Mail : nikhil.joshi@jwconsultants.in  
vi. Mobile no : +91 98220 62212

NIKHIL JOSHI  
M.Sc M.I.E  
Structural Engineer  
TPR-823 2024  
FOR & On behalf of  
JW Consultants LLP

(b). Empanelled Proof Consultant, if applicable:

- i. Name: Mr. T. D. ANEJA  
ii. Qualifications: M.E(Structure) MESH  
iii. Department TPR No.- 550A  
iv. Complete Address : 460 T-9, Heawz  
v. E-Mail ; sectr 56 SSN

tdaneja1905@gmail.com

T.D. ANEJA  
M.E. STRUCTURES  
CHARTERED ENGINEER (F-1094277)  
CTP REGT. NO. T350A  
9810076111,9810078111  
Email : tdaneja1905@gmail.com  
460 HEAWZ APARTMENTS, SEC.-56, GGN.-122011

vi. Mobile no.: 98110076111

(c). Empanelled Geo-technical Engineer, if applicable:-

- i. Name : Mr. Sanjay Gupta
- ii. Qualifications: Post graduate in Geotechnical Engineering - M.Tech (SM&FE)
- iii. Department TPR No. TPR-85A-2023
- iv. Complete Address : C-383, Defence Colony, New Delhi - 110024
- v. E-Mail : contact@cengs.com
- vi. Mobile no.: 9810138095



**Certificate**

It is hereby certified that the plans submitted in Form BR-1 the building detailed above, are in accordance with the Code and the approved zoning plan of the plot. The structure has been designed in accordance with the provisions of the National Building Code and the relevant Bureau of Indian Standard Codes (with latest amendments) including Bureau of Indian Standard Codes for structures resistant to earthquakes and other natural hazards. The local soil conditions, its load bearing capacity and the underground water table etc. have been kept in view while designing the same.

Dated

For Elan Avenue Limited

Signature of Owner  
(No digital Signatures are required)

Mobile no. 9811134842  
E-mail : elancoordination@elanlimited.com

Ar. Ravinder Kumar  
CA/2012/55971

Signature of Architect

M.No- +91-8860131417  
E-mail- akgassociates@gmail.com

Nikhil Joshi  
NIKHIL JOSHI  
M.Sc M.I.E  
Structural Engineer  
TPR-823 2024  
FOR & On behalf of  
JW Consultants LLP

Signature of Empanelled  
Structural Engineer  
Mobile No.: +91 98220 62212  
E-Mail: nikhil.joshi@jwconsultants.in

The structural design has been checked and has been found to be in order. The design is in accordance with the provisions of the National Building Code and the relevant Bureau of Indian Standard Codes (with latest amendments) including Bureau of Indian Standard Codes for structures resistant to earthquakes and other natural hazards. The local soil conditions, its load bearing capacity and the underground water table etc. have been kept in view while designing the same.

Dated

Signature of Empanelled Proof Consultant

along with Mob. No.: 9810276111  
E Mail : \_\_\_\_\_

T.D. ANEJA  
M.E. STRUCTURES  
REGISTERED ENGINEER (F-1094277)  
CTP REGT. NO. T350A  
9810076111, 9810078111  
Email : tdaneja1905@gmail.com

tdaneja1905@gmail.com  
480 MC NO APARTMENTS, SEC.-56, GGN.-122011



## **GURUGRAM METROPOLITAN DEVELOPMENT AUTHORITY**

**E-mail: xen3infra2.gmda@gov.in**

To

M/s Elan Avenue Limited  
15<sup>th</sup> Floor, Two Horizon Center, DLF Phase 5, Sector-43,  
Golf Course Road, Gurugram  
Email ID: [info@elanlimited.com](mailto:info@elanlimited.com)

**Gurugram/Date 24.09.2024**

**Subject: - Assurance of water supply for 70 KLD drinking water for labour/staff during construction phase and 1262 KLD of water during operation phase for residential Group Housing Colony over an area admeasuring 24.10 acres falling in the revenue estate of village Pawala Khusrupur, Sector 106, Gurugram bearing license no. 80 of 2012 dated 17.08.2012 being developed by Elan Avenue Limited formerly known as M/s Airmid Developers Limited**

Please refer to your application dated 04.09.2024, In this regard, it is to inform that 70 KLD drinking water for labour/staff during construction phase can be purchased through online module of GMDA on [www.gmda.gov.in](http://www.gmda.gov.in) and that the master water supply in the area stands laid and commissioned from where 1262 KLD potable water supply can be drawn. Thus, assurance to provide water supply as per the approved service estimate is hereby accorded.

Further, the water supply connection will be released after completing the required formality as per the latest notification of GMDA in this regard.

It is for your information and further necessary action please.

Signed by  
Abhinav Verma  
Date: 24-09-2024 14:30:13  
Executive Engineer-IV  
W/S Division, Infra-II  
GMDA, Gurugram



प्रभागीय वन अधिकारी द्वारा स्पष्टीकरण पत्र  
Clarification letter by  
Concerned Divisional Forest Officer  
हरियाणा सरकार / Government of Haryana



पी. एल. पी. ए. अथवा वन अथवा प्रतिबंधित भूमि से सम्बन्धित अनापत्ति प्रमाण पत्र।  
NOC in respect of PLPA or Forest or Restricted lands.

नाम  
Name

नीतिश  
Nitish

संगठन का नाम  
Organisation Name

Airmid Developers Limited And Mariana Developers Limited  
And Albina Properties Limited And Flora Land Development

वर्तमान पता  
Current Address

Limited  
Plot No. 448-451, Udyog Vihar Phase-v, Gurugram

भूमि स्थान  
Land Location

Pawala Khusrupur, Gurgaon, Pawala Khusrupur

भूमि मापन  
Land Measurements

28.95 (Acre)

आयत नम्बर / मुरबा नम्बर  
Rectangle No./ Murba  
No.

18, 19, 20, 21, 22, 23;

Reference No. (SRN):- PW4-JG6-89PT

जारी करने की तिथि / Date of Issuance: 07-09-2022

जारी करने का स्थान / Place of Issuance: Gurgaon

जारी करने वाला प्राधिकरण / Issuing Authority: Divisional Forest Officer



This is a Digitally Signed Certificate and does not require physical signature. The authenticity of this certificate can be verified from the verification link mentioned below:

<https://164.100.137.243/eservices/mobileapi/verify/clarification/PW4JG689PT>



प्रभागीय वन अधिकारी द्वारा स्पष्टीकरण पत्र  
Clarification letter by  
Concerned Divisional Forest Officer  
हरियाणा सरकार / Government of Haryana



पी. एल. पी. ए. अथवा वन अथवा प्रतिबंधित भूमि से सम्बन्धित अनापत्ति प्रमाण पत्र।  
NOC in respect of PLPA or Forest or Restricted lands.

किला नम्बर  
Killa Number

Rect. No. 18, Killa No. 21(8-0), 22/2(4-0), Rect. No. 19, Killa No. 16/2(4-0), 19/1 (5-12), 20(8-0), 21/1(7-16), 21/2 (0-4), 22/1(3-8), 22/2(4-0), 23(8-0), 24(8-0), 25(8-0), Rect. No. 20, Killa No. 16(8-0), 25(8-0), Rect. No. 21, Killa No. 5(5-12), Rect. No. 22, Killa No. 1/1(6-5), 1/2/1(0-12), 1/2/2(1-3), 2/1/1(1-0), 2/1/2(0-10), 2/2(2-7), 2/3(3-3), 3(8-0), 4(8-0), 5(7-3), 6(8-0), 7(8-0), 8(8-0), 9/1(4-8), 9/2(3-12), 10(5-16), 12/1(2-0), 12/2(5-3), 13(8-0), 14(8-7), 15/1(4-0), 18/2(3-5), 18/3(1-3), 26 (0-16-3.37), 27(0-17), Rect. No. 23, Killa No. 1(8-0), 2(8-0), 3(4-7), 9/2(3-9), 10(7-13).

प्रयोजन  
Purpose

Building Construction



जारी करने की तिथि / Date of Issuance: 07-09-2022  
जारी करने का स्थान / Place of Issuance: Gurgaon  
जारी करने वाला प्राधिकरण / Issuing Authority: Divisional Forest Officer

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प्रभागीय वन अधिकारी द्वारा स्पष्टीकरण पत्र  
Clarification letter by  
Concerned Divisional Forest Officer  
हरियाणा सरकार / Government of Haryana



पी. एल. पी. ए. अथवा वन अथवा प्रतिबंधित भूमि से सम्बन्धित अनापत्ति प्रमाण पत्र।  
NOC in respect of PLPA or Forest or Restricted lands.

Applicant Nitish located at village /city Pawala Khusrupur district Gurgaon  
made a proposal to use this land for Building Construction. It is made clear that:

- a) As per records available above said land is not part of notified Reserved Forest, Protected Forest under Indian Forest Act, 1927 or any area closed under section 4 of Punjab Land Preservation Act, 1900.
- b) It is clarified that by the Notification No. S.O.8/PA 2/1900/S. 4/2013 dated 4<sup>th</sup> January, 2013, all Revenue Estate of Gurgaon is notified u/s 4 of PLPA 1900 and S.O.81/PA.2/1900/S.3/2012 u/s 3 of PLPA 1900. The area is however not recorded as forest in the Government record but felling of any tree is strictly prohibited without the permission of Divisional Forest Officer, Gurgaon.
- c) If approach is required from Protected Forest by the user agency, the clearance/ regularization under Forest Conservation Act 1980 will be required. Without prior clearance from Forest Department, the use of Forest land for approach road is strictly prohibited. M/s Airmid Developers Limited And Mariana Developers whose land is located at village/city, Pawala Khusrupur district Gurgaon is not applicable under Forest Conservation Act 1980. Development Limited
- d) As per the records available with the Forest Department, Gurgaon the area does not fall in areas where plantations were raised by the Forest Department under Aravalli project.
- e) All other statutory clearances mandated under the Environment Protection Act. 1986, as per the notification of Ministry of Environment and Forests, Government of India, dated 07-05-1992 or any other Act/ order shall be obtained as applicable by the project proponents from the concerned authorities.
- f) The project proponent will not violate any Judicial Order/ direction issued by the Hon'ble Supreme Court/ High Courts.
- g) It is clarified that the Hon'ble Supreme Court has issued various judgments dated 07.05.2002, 29.10.2002, 16.12.2002, 18.03.2004, 14.05.2008 etc. pertaining to Aravalli region in Haryana, which should be complied with.
- h) It shall be the responsibility of user agency/ applicant to get necessary clearances/ permissions under various Acts and Rules applicable if any, from the respective authorities/ Department.
- i) This certificate is not applicable in case of Environment Department notification dated 10.03.2016 for Screening Plant, and notification dated 11.05.2016 for Stone Crusher. Investor/Applicant has to take clearance from Environment Department in case of Screening Plant and Stone Crusher .

It is subject to the following conditions:

1. Clarification Is Hereby Issued Subject To Conditions Mentioned Above And Distance Of The Proposal Is Less Than 5 Km. Form Boundary Of Dehli, Hence, The Permission Must Be Obtained From Competent Authority.



Date: 07-09-2022  
Place: Gurgaon

Rajeev Tejyan,  
(Divisional Forest Officer)

This is a Digitally Signed Certificate and does not require physical signature. The authenticity of this certificate can be verified from the verification link mentioned below:

<https://164.100.137.243/eservices/mobileapi/verify/clarification/PW4JG689PT>



प्रभागीय वन अधिकारी द्वारा स्पष्टीकरण पत्र  
Clarification letter by  
Concerned Divisional Forest Officer  
हरियाणा सरकार / Government of Haryana



पी. एल. पी. ए. अथवा वन अथवा प्रतिबंधित भूमि से सम्बन्धित अनापत्ति प्रमाण पत्र।  
NOC in respect of PLPA or Forest or Restricted lands.

नाम Name	नीतिश Nitish
संगठन का नाम Organisation Name	Ambience Infrastructure Developers Private Limited
वर्तमान पता Current Address	15th Floor, Two Horizon Center, Dlf Phase -v
भूमि स्थान Land Location	Lakhnola, Gurgaon, Lakhnola
भूमि मापन Land Measurements	7.65 (Acre)
आयत नम्बर / मुरबा नम्बर Rectangle No./ Murba No.	9 & 10;

Reference No. (SRN):- V91-WUB-PDQ9

जारी करने की तिथि / Date of Issuance: 07-09-2022

जारी करने का स्थान / Place of Issuance: Gurgaon

जारी करने वाला प्राधिकरण / Issuing Authority: Divisional Forest Officer



This is a Digitally Signed Certificate and does not require physical signature. The authenticity of this certificate can be verified from the verification link mentioned below:

<https://164.100.137.243/eservices/mobileapi/verify/clarification/V91WUBPDQ9>



प्रभागीय वन अधिकारी द्वारा स्पष्टीकरण पत्र  
Clarification letter by  
Concerned Divisional Forest Officer  
हरियाणा सरकार / Government of Haryana



पी. एल. पी. ए. अथवा वन अथवा प्रतिबंधित भूमि से सम्बन्धित अनापत्ति प्रमाण पत्र।  
NOC in respect of PLPA or Forest or Restricted lands.

किला नम्बर  
Killa Number

Rect. No. No. 9, Killa No. 18 (2-4), 19 (3-0), 20-21 (8-2), 22 (8-0), 23 (7-12), 24 (0-11),  
Rect. No. 10, Killa No. 8/1 (0-4), 9/1 (0-9), 13-14/2 (0-4), 13-14/3 (2-0), 16-17 (8-6), 18/1  
(5-0), 24 (8-0), 25 (7-12),

प्रयोजन  
Purpose

Building Construction

जारी करने की तिथि / Date of Issuance: 07-09-2022  
जारी करने का स्थान / Place of Issuance: Gurgaon  
जारी करने वाला प्राधिकरण / Issuing Authority: Divisional Forest Officer



This is a Digitally Signed Certificate and does not require physical signature. The authenticity of this certificate can be verified from the verification link mentioned below:

<https://164.100.137.243/eservices/mobileapi/verify/clarification/V91WUBPDQ9>



प्रभागीय वन अधिकारी द्वारा स्पष्टीकरण पत्र  
Clarification letter by  
Concerned Divisional Forest Officer



हरियाणा सरकार / Government of Haryana

पी. एल. पी. ए. अथवा वन अथवा प्रतिबंधित भूमि से सम्बन्धित अनापत्ति प्रमाण पत्र।

NOC in respect of PLPA or Forest or Restricted lands.

Applicant Nitish located at village /city Lakhnola district Gurgaon  
made a proposal to use this land for Building Construction. It is made clear that:

a) As per records available above said land is not part of notified Reserved Forest, Protected Forest under Indian Forest Act, 1927 or any area closed under section 4 of Punjab Land Preservation Act, 1900.

b) It is clarified that by the Notification No. S.O.8/PA 2/1900/S. 4/2013 dated 4<sup>th</sup> January, 2013, all Revenue Estate of Gurgaon is notified u/s 4 of PLPA 1900 and S.O.81/PA.2/1900/S.3/2012 u/s 3 of PLPA 1900. The area is however not recorded as forest in the Government record but felling of any tree is strictly prohibited without the permission of Divisional Forest Officer, Gurgaon.

c) If approach is required from Protected Forest by the user agency, the clearance/ regularization under Forest Conservation Act 1980 will be required. Without prior clearance from Forest Department, the use of Forest land for approach road is strictly prohibited. M/s Ambience Infrastructure Developers Private Limited whose land is located at village/city, Lakhnola District Gurgaon must obtain clearance as applicable under Forest Conservation Act 1980.

d) As per the records available with the Forest Department, Gurgaon the area does not fall in areas where plantations were raised by the Forest Department under Aravalli project.

e) All other statutory clearances mandated under the Environment Protection Act. 1986, as per the notification of Ministry of Environment and Forests, Government of India, dated 07-05-1992 or any other Act/ order shall be obtained as applicable by the project proponents from the concerned authorities.

f) The project proponent will not violate any Judicial Order/ direction issued by the Hon'ble Supreme Court/ High Courts.

g) It is clarified that the Hon'ble Supreme Court has issued various judgments dated 07.05.2002, 29.10.2002, 16.12.2002, 18.03.2004, 14.05.2008 etc. pertaining to Aravalli region in Haryana, which should be complied with.

h) It shall be the responsibility of user agency/ applicant to get necessary clearances/ permissions under various Acts and Rules applicable if any, from the respective authorities/ Department.

i) This certificate is not applicable in case of Environment Department notification dated 10.03.2016 for Screening Plant, and notification dated 11.05.2016 for Stone Crusher. Investor/Applicant has to take clearance from Environment Department in case of Screening Plant and Stone Crusher .

It is subject to the following conditions:

1. Clarification Is Hereby Issued Subject To Conditions  
Mentioned Above, If Fca, 1980 Is Applicable, Hence  
Permission Must Be Obtained.



Date: 07-09-2022  
Place: Gurgaon

Rajeev Tejyan,  
(Divisional Forest Officer)

This is a Digitally Signed Certificate and does not require physical signature. The authenticity of this certificate can be verified from the verification link mentioned below:

<https://164.100.137.243/eservices/mobileapi/verify/clarification/V91WUBPDQ9>

# DAKSHIN HARYANA BILJI VITRAN NIGAM

DHBVN

Superintending Engineer 'OP' Circle-I  
Mehrauli Road, Gurugram



e-mail [scop1gurugram@dhbvn.org.in](mailto:scop1gurugram@dhbvn.org.in)

To

M/s Elan Avenue Limited  
15<sup>th</sup> Floor, Two Horizon Center,  
DLF Phase-5, Sector-43,  
Gurugram-122002 Haryana.  
E-mail Id:info@elanlimited.com

Memo No. Ch. 30 / Drg.-PLC

Dated: 13/09/2024

Sub:

Assurance Certificate of DHBVN for setting up of Group Housing Colony on the land measuring 24.10 acres in the revenue estate of village Palwal Khusarpur, Sector-106, Gurugram-Manesar Urban Complex. (Renewal of License No.80 of 2012 dated 11.09.2024 valid upto 16.08.2029)(copy attached) to be developed by M/s Elan Avenue Limited(Formerly known as Airmid Developers Limited) Declared load 12650KW.

Ref :

Your Firm Letter No. Nil dated 29.08.2024.

It is hereby assured that the power requirement of tentative load of 12650KW shall be considered from the nearest 220/33KV substation at the time of actual requirement as per DHBVN norms at the voltage level of 33KV subject to the following conditions:-

1. Subject to availability of power and infrastructure at the time of actual release of connection.
2. Necessary charges will be got deposited by your as per latest Nigam instructions and compliance of all other instructions of Nigam will be ensured as per standing instructions of the Nigam/HERC regulation.
3. The necessary infrastructure will be laid by you at your own cost. The piece of land will be provided by you for the switching station / sub-station as per instructions of the Nigam.
4. The letter will be valid till the validity of license in view of Sales Circular No.D-6/2022 issued by CE/Commercial DHBVN, Hisar vide Memo No. Ch-06/SE/C/R-16/380/Vol-I dated 10.03.2022.

  
Superintending Engineer  
'OP' Circle-I DHBVN, Gurugram

Copy to:-

The XEN 'OP' City Divn. DHBVN Gurugram for information, please.





## Test Report

**Sample Number :** VEL/AP/01  
**Name & Address of the Party :** M/s Elan Avenue Limited.  
 Residential Group Housing Colony Village-Pawala  
 Khusrupur, Sector-106, Gurgaon Manesar Urban  
 Complex, and Haryana.  
**Name of Sample :** AMBIENT AIR  
**Sample Group :** Atmospheric Pollution

**Report No. :** VEL/AP/2505010018  
**Format No :** 7.8 F-03  
**Party Reference No :** By Mail  
**Reporting Date :** 06/05/2025  
**Period of Analysis :** 01/05/2025-06/05/2025  
**Receipt Date :** 01/05/2025

### General Information

**Sampling Location :** Project Site (Office Area)  
**Sample Collected By :** VEL Representative (Mr. Priyanshu)  
**Sampling Equipment used :** RDS/FPS  
**Instrument Code :** VEL/INS/RDS/FPS/01  
**Instrument Calibration Status :** Calibrated  
**Meteorological condition during monitoring :** Clear Sky  
**Date of Monitoring :** 29/04/2025 To 30/04/2025  
**Time of Monitoring :** 11:30 AM To 11:30 AM  
**Ambient Temperature (°C) :** Min.29°C, Max.41°C  
**Surrounding Activity :** Human & Vehicular Activities  
**Scope of Monitoring :** Regulatory Requirement  
**Sampling & Analysis Protocol :** IS : 5182  
**Sampling Duration :** 24.0 Hours.  
**Parameter Required :** As per work order

S.No.	Parameters	Test Method	Results	Units	Limit as per NAAQS
<b>Discipline : Chemical</b>					
1	Particulate Matter (as PM -10)	IS:5182 (P-23) :2006 RA :2017	90.12	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM - 2.5)	IS:5182 (P- 24) :2019	48.12	µg/m <sup>3</sup>	60
3	Nitrogen Dioxides (as NO <sub>2</sub> )	IS 5182 (P- 6) :2006 RA:2022	28.31	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO <sub>2</sub> )	IS 5182 (P- 2) : RA:2023	14.30	µg/m <sup>3</sup>	80
5	#Carbon Monoxide (as CO)	IS 5182 (P-10), NDIR Method	0.72	mg/m <sup>3</sup>	4.0

Note - # indicates 1 hour monitoring of CO.

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

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## Test Report

Page No. 1/1

Sample Number : VEL/AP/02

Name & Address of the Party : M/s Elan Avenue Limited.

Residential Group Housing Colony Village-Pawala  
Khusrupur, Sector-106, Gurgaon Manesar Urban  
Complex, and Haryana.

Report No. : VEL/AP/2505010019

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 06/05/2025

Period of Analysis : 01/05/2025-06/05/2025

Receipt Date : 01/05/2025

Name of Sample : AMBIENT NOISE

Sample Group : Atmospheric Pollution

### General Information

Sampling Location : Project Site (Office Area)  
Sample Collected By : VEL Representative (Mr. Priyanshu)  
Sampling Equipment used : Sound Level Meter  
Instrument Code : VEL/INS/ENV/SLM/02  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 29/04/2025 To 30/04/2025  
Time of Monitoring : 12:00 PM To 12:00 PM  
Ambient Temperature (°C) : Min.29°C, Max.41°C  
Surrounding Activity : Human & Vehicular Activities  
Scope of Monitoring : Regulatory Requirement  
Sampling & Analysis Protocol : IS:9989 RA:2020  
Sampling Duration : 24.0 Hours.  
Parameter Required : As Per Work Order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
Discipline : Chemical					
1	Leq	IS:9989 RA:2020	50.21	42.30	dB (A)

### Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

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

Day time shall mean from 6.00 a.m. to 10.00 p.m., Night time shall mean from 10.00 p.m. to 6.00 a.m., Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority, 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

Note-\*A "decibel" is a unit in which noise is measured.

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## Test Report

Sample Number : VEL/AP/03

Name & Address of the Party : M/s Elan Avenue Limited.

Residential Group Housing Colony Village-Pawala  
Khusrupur, Sector-106, Gurgaon Manesar Urban  
Complex, and Haryana.

Report No. : VEL/AP/2505010020

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 06/05/2025

Period of Analysis : 01/05/2025-06/05/2025

Receipt Date : 01/05/2025

Name of Sample : Stack Emission Monitoring

Sample Group : Atmospheric Pollution

### General Information

Sampling Location : DG Set Area

Sample Collected By : VEL Representative (Mr. Priyanshu)

Instrument Code : VEL/INS/ENV/SMK/01

Date of Sampling : 29/04/2025

Sampling duration (Minutes) : 41.0

Stack attached to : DG Set No.1 (250 KVA)

Make of stack : MS

Type of Fuel Used : HSD

Diameter of stack(m) : 0.12 Mtr.

Height of stack(m) : 5.0 Mtr.

Instrument calibration status : Calibrated

Meteorological Condition : Clear Sky

Ambient Temperature - Ta (°C) : 39.0

Temperature of Stack Gases - Ts (°C) : 152.0

Velocity of Stack Gases (m/sec.) : 9.62

Flow rate of PM (LPM) : 22.0

Flow rate of Gas (LPM) : 2.0

Sampling condition : Isokinetic

Protocol used : IS 11255 & EPA

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
Discipline : Chemical					
1	Particulate Matter (as PM)	IS 11255 (P-1) :2019	0.017	g/kw-hr	0.02
2	Oxide of Nitrogen (as NOx)	VEL/EN/STP/146, Issue No.-01, Issue date 01/11/2023	0.275	g/kw-hr	0.40
3	Total Hydrocarbon (as HC)	VEL/EN/STP/137, Issue No.-01, Issue date 01/11/2023	0.062	g/kw-hr	0.19
4	Sulphur Dioxide (as SO2)	IS 11255 (P-2)	0.086	g/kw-hr	Not Specified
5	Carbon Monoxide (as CO)	VEL/EN/STP/146, Issue No.-01, Issue date 01/11/2023	0.312	g/kw-hr	3.5

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## Test Report

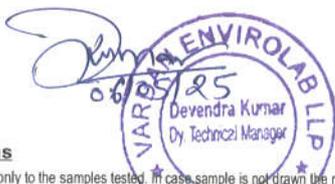
Page No. 2/2

Sample Number : VEL/AP/03

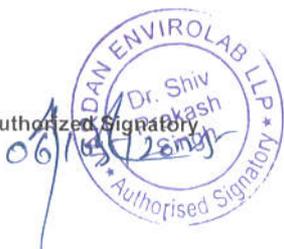
Report No. : VEL/AP/2505010020

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## Test Report

Page No. 1/2

Sample Number : VEL/AP/04

Name & Address of the Party : M/s Elan Avenue Limited.

Residential Group Housing Colony Village-Pawala  
Khusrupur, Sector-106, Gurgaon Manesar Urban  
Complex, and Haryana.

Report No. : VEL/AP/2505010021

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 06/05/2025

Period of Analysis : 01/05/2025-06/05/2025

Receipt Date : 01/05/2025

Name of Sample : Stack Emission Monitoring

Sample Group : Atmospheric Pollution

### General Information

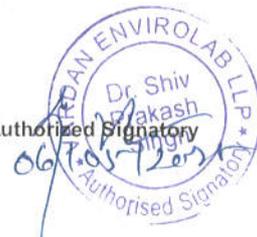
Sampling Location : DG Set Area  
Sample Collected By : VEL Representative (Mr. Priyanshu)  
Instrument Code : VEL/INS/ENV/SMK/01  
Date of Sampling : 29/04/2025  
Sampling duration (Minutes) : 40.0  
Stack attached to : DG Set No.2 (250 KVA)  
Make of stack : MS  
Type of Fuel Used : HSD  
Diameter of stack(m) : 0.12 Mtr.  
Height of stack(m) : 5.0 Mtr.  
Instrument calibration status : Calibrated  
Meteorological Condition : Clear Sky  
Ambient Temperature - Ta (°C) : 39.0  
Temperature of Stack Gases - Ts (°C) : 162.0  
Velocity of Stack Gases (m/sec.) : 10.24  
Flow rate of PM (LPM) : 23.0  
Flow rate of Gas (LPM) : 2.0  
Sampling condition : Isokinetic  
Protocol used : IS 11255 & EPA

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
Discipline : Chemical					
1	Particulate Matter (as PM)	IS 11255 (P-1) :2019	0.017	g/kw-hr	0.02
2	Oxide of Nitrogen (as NOx)	VEL/EN/STP/146, Issue No.-01, Issue date 01/11/2023	0.285	g/kw-hr	0.40
3	Total Hydrocarbon (as HC)	VEL/EN/STP/137, Issue No.-01, Issue date 01/11/2023	0.068	g/kw-hr	0.19
4	Sulphur Dioxide (as SO2)	IS 11255 (P-2)	0.096	g/kw-hr	Not Specified
5	Carbon Monoxide (as CO)	VEL/EN/STP/146, Issue No.-01, Issue date 01/11/2023	0.320	g/kw-hr	3.5

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## Test Report

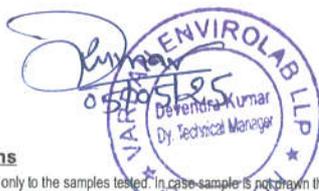
Page No. 2/2

Sample Number : VEL/AP/04

Report No. : VEL/AP/2505010021

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## Test Report

Page No. 1/1

Sample Number : VEL/AP/05

Name & Address of the Party : M/s Elan Avenue Limited.

Residential Group Housing Colony Village-Pawala  
Khusrupur, Sector-106, Gurgaon Manesar Urban  
Complex, and Haryana.

Report No. : VEL/AP/2505010022

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 06/05/2025

Period of Analysis : 01/05/2025-06/05/2025

Receipt Date : 01/05/2025

Name of Sample : DG Noise

Sample Group : Atmospheric Pollution

### General Information

Sampling Location : DG Set No.1 (250 KVA)  
Sample Collected By : VEL Representative (Mr. Priyanshu)  
Sampling Equipment used : Sound Level Meter  
Instrument Code : VEL/INS/ENV/SLM/04  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 29/04/2025  
Scope of Monitoring : Regulatory Requirement  
Sampling & Analysis Protocol : IS 4758  
Sampling duration (Minutes) : 30.0  
Parameter Required : As Per Work Order

S.No.	Parameters	Test Method	Open the canopy of DG Set Results dB(A)	Close the canopy of DG Set (1.0 mtr. Distance) Result dB(A)	Insertion Loss
Discipline : Chemical					
1	Leq	IS: 4758	99.8	73.4	26.4
2	CPCB Limit in Leq dB (A)	--	--	75.0 (Max.)	25.0 (Min.)

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## Test Report

Page No. 1/1

Sample Number : VEL/AP/06

Name & Address of the Party : M/s Elan Avenue Limited.

Residential Group Housing Colony Village-Pawala  
Khusrupur, Sector-106, Gurgaon Manesar Urban  
Complex, and Haryana.

Report No. : VEL/AP/2505010023

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 06/05/2025

Period of Analysis : 01/05/2025-06/05/2025

Receipt Date : 01/05/2025

Name of Sample : DG Noise

Sample Group : Atmospheric Pollution

### General Information

Sampling Location : DG Set No.2 (250 KVA)  
Sample Collected By : VEL Representative (Mr. Priyanshu)  
Sampling Equipment used : Sound Level Meter  
Instrument Code : VEL/INS/ENV/SLM/04  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 29/04/2025  
Scope of Monitoring : Regulatory Requirement  
Sampling & Analysis Protocol : IS 4758  
Sampling duration (Minutes) : 30.0  
Parameter Required : As Per Work Order

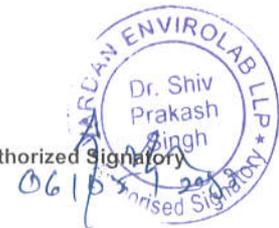
S.No.	Parameters	Test Method	Open the canopy of DG Set Results dB(A)	Close the canopy of DG Set (1.0 mtr. Distance) Result dB(A)	Insertion Loss
Discipline : Chemical					
1	Leq	IS: 4758	96.5	71.2	25.3
2	CPCB Limit in Leq dB (A)	--	--	75.0 (Max.)	25.0 (Min.)

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## Test Report

Page No. 1/2

Sample Number : VEL/PE/01  
Name & Address of the Party : M/s Elan Avenue Limited.  
Residential Group Housing Colony Village-Pawala  
Khusrupur, Sector-106, Gurgaon Manesar Urban  
Complex, and Haryana.  
Name of Sample : SOIL  
Sample Group : Pollution & Environment  
Location : Project Site  
Sample Collected By : VEL Representative (Mr. Priyanshu)  
Environmental Condition : 25±2°C  
Parameter Required : As Per Work Order  
Sampling and Analysis Protocol : IS:2720 & STP

Report No. : VEL/PE/2505010007  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 06/05/2025  
Period of Analysis : 01/05/2025-06/05/2025  
Receipt Date : 01/05/2025  
Sampling Date : 29/04/2025  
Sampling Quantity : 2.0 Kg  
Sampling Type : Composite  
Packing Status : Temp. Sealed

S.No.	Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH (at 25°C)	IS : 2720 (P-26)	7.45	--
2	Electrical Conductivity	IS :14767	0.357	mS/cm
3	Colour	VEL/EN/STP/67, Issue No.- 01, Issue date 01/11/2023	Brownish	--
4	Water holding capacity	VEL/EN/STP/86, Issue No.- 01, Issue date 01/11/2023	31.20	%
5	Bulk density	VEL/EN/STP/59, Issue No.- 01, Issue date 01/11/2023	1.52	gm/cc
6	Chloride (as Cl)	VEL/EN/STP/69, Issue No.- 01, Issue date 01/11/2023	195.24	mg/kg
7	Calcium (as Ca)	VEL/EN/STP/72, Issue No.- 01, Issue date 01/11/2023	152.34	mg/kg
8	Sodium (as Na)	VEL/EN/STP/62, Issue No.- 01, Issue date 01/11/2023	112.34	mg/kg
9	Potassium (as K)	VEL/EN/STP/61, Issue No.- 01, Issue date 01/11/2023	96.42	mg/kg
10	Organic Matter	IS 2720 (P-22)	0.62	%
11	Magnesium (as Mg)	VEL/EN/STP/72, Issue No.- 01, Issue date	52.30	mg/kg

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## Test Report

Page No. 2/2

Sample Number : VEL/PE/01

Report No. : VEL/PE/2505010007

S.No.	Parameters	Test Method	Results	Units
11		01/11/2023		
12	Available Nitrogen (as N)	IS:14684	210.50	kg. /hec.
13	Available Phosphours	VEL/EN/STP/73, Issue No.- 01, Issue date 01/11/2023	21.81	kg. /hec.
14	Total Zinc (as Zn)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	20.31	mg/kg
15	Total Manganese (as Mn)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	14.25	mg/kg
16	Total Chromium (as Cr)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	12.60	mg/kg
17	Total Lead (as Pb)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	8.20	mg/kg
18	Total Cadmium (as Cd)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.5)	mg/kg
19	Total Copper (as Cu)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	11.30	mg/kg
20	Soil Texture	VEL/EN/STP/64, Issue No.- 01, Issue date 01/11/2023	Sandy Loam	--

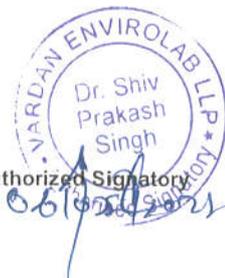
BLQ-Below Limit of Quantification, LOQ- Limit of Quantification

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

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# Vardan Envirolab LLP

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)  
ISO 9001 | ISO 14001 | ISO 45001



## Test Report

Page No. 1/4

Sample Number : VEL/W/01  
 Name & Address of the Party : M/s Elan Avenue Limited.  
 Residential Group Housing Colony Village-Pawala  
 Khusrupur, Sector-106, Gurgaon Manesar Urban  
 Complex, and Haryana.  
 Name of Sample : Drinking Water  
 Sample Group : Water/Residues and contaminants in Water  
 Location : Project Site  
 Sample Collected by : VEL Representative (Mr. Priyanshu)  
 Environmental Condition : 25±2°C  
 Sampling and Analysis Protocol : APHA & IS

Report No. : VEL/W/2505010005  
 Format No : 7.8 F 03  
 Party Reference No : By Mail  
 Reporting Date : 06/05/2025  
 Period of Analysis : 01/05/2025-06/05/2025  
 Receipt Date : 01/05/2025  
 Sampling Date : 29/04/2025  
 Sampling Quantity : 5.0 Ltr. + 250 ml  
 Sampling Type : Grab

S.No.	Test Parameters	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limits	Permissible Limits
Discipline : Chemical						
1	pH (at 25°C)	IS:3025 (Part 11):2022 (Using by Electrode)	7.62	--	6.5 to 8.5	No Relaxation
2	Colour,max	IS:3025 (Part-4) :2021 (Visual Comparison Method)	BLQ(LOQ-1.0)	Hazen	5	15
3	Turbidity,max	IS:3025:P-10: 2023 (Nephelometric	<1.0	NTU	1	5
4	Odour	IS:3025 Part-5: 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS 3025 (Part 8): 2023	Agreeable	--	Agreeable	Agreeable
6	Total Dissolved Solids (at 180°C ± 1°C),max	IS:3025:P-16: 2023 (Gravimetric Method)	130.00	mg/L	500	2000
7	Calcium (as Ca),max	IS:3025:Part-40: 1991 (EDTA Titrimetric Method)	19.34	mg/L	75	200
8	Alkalinity (as CaCO3)	IS:3025:Part 23:2023 (Indicator Method)	85.20	mg/L	200	600
9	Chloride (as Cl),max	IS:3025:Part-32:1988 (Argentometric Method)	26.31	mg/L	250	1000
10	Magnesium (as Mg),max	IS:3025:P-46:2023 (Volumetric method using EDTA)	8.71	mg/L	30	100
11	Total Hardness (as CaCo3),max	IS:3025:P-21:2009 (EDTA Method)	84.20	mg/L	200	600

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## Test Report

Sample Number : VEL/W/01

Report No. : VEL/W/2505010005

S.No.	Test Parameters	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limits	Permissible Limits
12	Sulphate (as SO <sub>4</sub> ),max	IS:3025: (Part 24/Sec-1):2022(Turbidity Method)	6.34	mg/L	200	400
13	Fluoride (as F),max	APHA 4500 F-D: 24th Edition : 2023 (SPADNS Method)	0.24	mg/L	1.0	1.5
14	Nitrate (as NO <sub>3</sub> ),max	IS :3025 P-34/Sec1)2023: (Screening Method)	2.30	mg/L	45.0	No Relaxation
15	Iron (as Fe),max	VEL/W/STP/03, Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	1.0	No Relaxation
16	Aluminium (as Al),max	VEL/W/STP/03, Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.05)	mg/L	0.03	0.2
17	Boron (as B),max	VEL/W/STP/03, Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.5	2.4
18	Total Chromium (as Cr),max	VEL/W/STP/03, Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
19	Phenolic Compounds (C <sub>6</sub> H <sub>5</sub> OH),max	Clause-6 of IS:3025 (P-43/Sec-1):2022, (With Chloroform Extraction Method)	BLQ(LOQ-0.01)	mg/L	0.001	0.002
20	Mineral Oil,max	IS 3025 (Part 39),Infrared Spectroscopic Method	BLQ(LOQ-0.5)	mg/L	1.0	No Relaxation
21	Anionic Detergents (as MBAS),max	IS:3025:P-68:2019 (Methylene Blue Method)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
22	Zinc (as Zn),max	VEL/W/STP/03, Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	5.0	15.0
23	Copper (as Cu),max	VEL/W/STP/03, Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.02)	mg/L	0.05	1.5
24	Manganese (as Mn),max	VEL/W/STP/03, Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.1	0.3
25	Selenium (as Se),max	VEL/W/STP/03, Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.01	No Relaxation
26	Cadmium (as Cd),max	VEL/W/STP/03, Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.02)	mg/L	0.003	No Relaxation

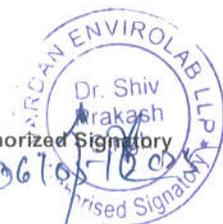
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## Test Report

Sample Number : VEL/W/01

Report No. : VEL/W/2505010005

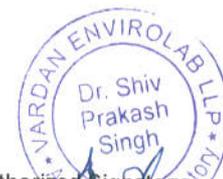
S.No.	Test Parameters	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limits	Permissible Limits
27	Lead (as Pb),max	VEL/W/STP/03, Issue No. - 01, Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.01	No Relaxation
28	Cyanide (as CN),max	IS 3025 (P-27/Sec1) :2021(Pyridine Barbituric Acid Method	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
29	Arsenic (as As),max	VEL/W/STP/03, Issue No. - 01, Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.01	No Relaxation
30	Mercury (as Hg),max	VEL/W/STP/03, Issue No. - 01, Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.001	No Relaxation

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## Test Report

Page No. 4/4

Sample Number : VEL/W/01

Report No. : VEL/W/2505010005

S.No.	Test Parameters	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limits	Permissible Limits
Discipline : Biological						
31	Total Coliform	IS 15185	Absent	/100 ml	Shall not be detectable in any 100 ml sample	--
32	E.coli	IS 15185	Absent	/100 ml	Shall not be detectable in any 100 ml sample	--

BLQ-Below Limit of Quantification, LOQ- Limit of Quantification

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

**NITHIN KUMAR**

Sr. Microbiologist

*Nithin*  
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Form 59  
[See rules 115 (2)]

**Pollution Under Control Certificate**

Authorized By  
Government of Haryana

Date : 31/08/2024  
Time : 10:48:42 AM  
Validity upto : 30/08/2025



Certificate No. : HR05503960003277  
Registration No. : HR26EX8315  
Date of Issuance : 12/Oct/2022  
Month & Year of Manufacturing : September-2022  
Vehic. Model Number : \*\*\*\*\*  
Emission Norm : CEV STAGE IV  
Fuel : DIESEL  
PUC Code : HR0550396  
GSTIN :  
Fees : Rs.100.00  
ML description : No




Vehicle Photo with Registration plate  
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
Smoke Density	Lambda	-	1 ± 0.03	
	Light absorption coefficient	1/metre	1.62	0.49

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicles by logging to <https://puc.parivahan.gov.in>

Authorized Signature with stamp of PUC Operator  
60mm x 20 mm

**Fig: PUC Certificate**