

**DLF HOME DEVELOPERS LIMITED**

CIN: - U74899HR1995PLC082458  
Regd. Off: - 2<sup>nd</sup> Floor, Arjun Marg,  
DLF Shopping Mall, DLF City, Phase - I  
Gurgaon -122002, Haryana (India)  
Tel.: +91-124-4334200, Email ID: corporateaffairs@dlf.in



To

Date: 29/05/2025

The Joint Director (S)  
Northern Regional Office  
Ministry of Environment, Forest & Climate Change  
Bays No. 24-25  
Sector 31-A Dakshin Marg  
Chandigarh- 160030

**Sub: Submission of six-monthly compliance report of stipulated conditions of Environmental Clearance for Construction of "Independent Floors" at DLF Alameda at Village- Behrampur & Begampur Khatola, Sector 73, Gurgaon for the period of October 2024 to March 2025 (due to 1<sup>st</sup> June 2025).**

Sir,

In accordance to the Environmental Clearance received from the State Environment Impact Assessment Authority (SEIAA), Haryana, for the above project vide letter no. SEIAA/HR/2021/446 dated 12.11.2021 we are submitting herewith Six-monthly Compliance Report of stipulated condition of Environment Clearance (in one soft copy in CD) for the period of **October 2024 to March 2025**.

Thanking You

Yours sincerely,  
For DLF Home Developers Ltd. & Others  
(On behalf of Limited)

  
(Authorized Signatory)

Name - OM VEER SINGH  
Designation -  
E-mail -  
Contact No. -

Enc: As stated above

Copy to:

1. The Chairman, Haryana State Pollution Control Board (HSPCB), C-11 Sector -6, Panchkula (Haryana).
2. Member Secretary, State Environment Impact Assessment Authority (SEIAA), Haryana, Bays no. 55-57, Prayatan Bhawan, Sector-2, Panchkula (Haryana).

  
Haryana State Pollution Control Board  
C-11, Sector 6, Panchkula

**DLF HOME DEVELOPERS LIMITED**

CIN: - U74899HR1995PLC082458  
Regd. Off: - 2<sup>nd</sup> Floor, Arjun Marg,  
DLF Shopping Mall, DLF City, Phase - I  
Gurugram -122002, Haryana (India)  
Tel.: +91-124-4334200, Email ID: [corporateaffairs@dlf.in](mailto:corporateaffairs@dlf.in)



To

Date:

The Joint Director (S)  
Northern Regional Office  
Ministry of Environment, Forest & Climate Change  
Bays No. 24-25  
Sector 31-A Dakshin Marg  
Chandigarh- 160030

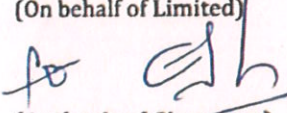
**Sub: Submission of six-monthly compliance report of stipulated conditions of Environmental Clearance for Construction of "Independent Floors" at DLF Alameda at Village- Behrampur & Begampur Khatola, Sector 73, Gurgaon for the period of October 2024 to March 2025 (due to 1<sup>st</sup> June 2025).**

Sir,

In accordance to the Environmental Clearance received from the State Environment Impact Assessment Authority (SEIAA), Haryana, for the above project vide letter no. SEIAA/HR/2021/446 dated 12.11.2021 we are submitting herewith Six-monthly Compliance Report of stipulated condition of Environment Clearance (in one soft copy in CD) for the period of **October 2024 to March 2025**.

Thanking You

Yours sincerely,  
For DLF Home Developers Ltd. & Others  
(On behalf of Limited)

  
(Authorized Signatory)

Name - **OM VEER SINGH**  
Designation -  
E-mail -  
Contact No. -



Encl: As stated above

Copy to:

1. The Chairman, Haryana State Pollution Control Board (HSPCB), C-11 Sector -6, Panchkula (Haryana).
2. Member Secretary, State Environment Impact Assessment Authority (SEIAA), Haryana, Bays no. 55-57, Prayatan Bhawan, Sector-2, Panchkula (Haryana).

---

**Submission of six-monthly compliance report of stipulated conditions of Environmental Clearance for proposed Independent Floors DLF Alameda at Village- Behrampur & Begampur Khatola, Sector-73, Gurugram, Haryana by M/S DLF HOME DEVELOPERS LTD for the period of October 2024- to March 2025. (Due to 1st June 2025) by**

1 message

---

**Eia Dlf63** <eiadlf63@gmail.com>

Fri, May 30, 2025 at 2:56 PM

To: eccompliance-nro@gov.in

Cc: aman@vardan.co.in

Respected Sir,

Please find enclosed Submission of six-monthly compliance report of stipulated conditions of Environmental Clearance for proposed Independent Floors DLF Alameda at Village- Behrampur & Begampur Khatola, Sector-73, Gurugram, Haryana for the period of October 2024- to March 2025. (Due to 1st June 2025).

Thanks & regards

M/S DLF HOME DEVELOPERS LTD



**DLF Alameda.pdf**

16407K



परिवेश  
पराववरण, वन और जलवायु पररवरतन मंत्रालय  
Ministry of Environment, Forest and Climate Change



Your (Half Yearly Compliance Report) has been Submitted with following details

Proposal No	SIA/HR/MIS/220395/2021
Compliance ID	128481277
Compliance Number(For Tracking)	EC/M/COMPLIANCE/128481277/2025
Reporting Year	2025
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	30-05-2025
RO/SRO Name	Satya Prakash Negi
RO/SRO Email	jhk119@ifs.nic.in
State	HARYANA
RO/SRO Office Address	Integrated Regional Offices, Chandigarh

Note:- SMS and E-Mail has been sent to Satya Prakash Negi, HARYANA with Notification to Project Proponent.

Print

**DLF HOME DEVELOPERS LIMITED**

CIN: - U74899HR1995PLC082458  
Regd. Off: - 2<sup>nd</sup> Floor, Arjun Marg,  
DLF Shopping Mall, DLF City, Phase - I  
Gurugram - 122002, Haryana (India)  
Tel.: +91-124-4334200, Email ID: [corporateaffairs@dlf.in](mailto:corporateaffairs@dlf.in)



To

Date:

The Joint Director (S)  
Northern Regional Office  
Ministry of Environment, Forest & Climate Change  
Bays No. 24-25  
Sector 31-A Dakshin Marg  
Chandigarh- 160030

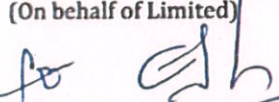
**Sub: Submission of six-monthly compliance report of stipulated conditions of Environmental Clearance for Construction of "Independent Floors" at DLF Alameda at Village- Behrampur & Begampur Khatola, Sector 73, Gurgaon for the period of October 2024 to March 2025 (due to 1<sup>st</sup> June 2025).**

Sir,

In accordance to the Environmental Clearance received from the State Environment Impact Assessment Authority (SEIAA), Haryana, for the above project vide letter no. SEIAA/HR/2021/446 dated 12.11.2021 we are submitting herewith Six-monthly Compliance Report of stipulated condition of Environment Clearance (in one soft copy in CD) for the period of **October 2024 to March 2025**.

Thanking You

Yours sincerely,  
For DLF Home Developers Ltd. & Others  
(On behalf of Limited)

  
(Authorized Signatory)

Name - **OM VEER SINGH**  
Designation -  
E-mail -  
Contact No. -

Encl: As stated above

Copy to:

1. The Chairman, Haryana State Pollution Control Board (HSPCB), C-11 Sector -6, Panchkula (Haryana).
2. Member Secretary, State Environment Impact Assessment Authority (SEIAA), Haryana, Bays no. 55-57, Prayatan Bhawan, Sector-2, Panchkula (Haryana).

# 1

## ***INTRODUCTION***

### **1.1 Introduction**

**M/s DLF Home Developers Ltd. & Others** has proposed Independent Floors DLF Alameda at Village- Behrampur & Begampur Khatola, Sector-73, Gurugram, Haryana

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

#### **1.2 Purpose of the Project:**

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 and HSPCB, Panchkula. 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, Noise & Soil by the NABL/Moef labs
- 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.

**1.5 Construction Status:**

- **Construction Work is going on.**

# 2

## **ADHERENCE TO SPECIFIC AND GENERAL CONDITIONS**

### Specific Condition

S. No.	Conditions of Environmental Clearance	Status of Compliance
1.	Sewage shall be treated in the modular STP 2.2 MLD based on SBR & MBR Technology to achieve standards ordered by NGT. The Treated effluent from STP shall be recycled /reused for flushing, DG cooling and Gardening	<i>The project is under construction phase. Sewage will be treated in the STP based on latest Technology to achieve standards ordered by NGT. The treated effluent from STP will be reused for flushing, DG cooling and gardening during operation phase of project.</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.	<i>The project is under construction phase. We will install the monitoring plan to the satisfaction of the State Pollution Control Board for continuously monitor the treated waste water being used for flushing in terms of faecal coli forms and other pathogenic bacteria.</i>
3.	The PP shall ensure that 2% of the cost of the project shall be spent on EMP Budget. However, the amount and component shown in EMP table above shall also be included for the purpose of 2% amount. 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.	<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 PP shall not carry out any construct above and below revenue rasta if passing through the project and ensure that permission of the competent authority shall be obtained before carry out any construction above or below the revnue rasta. The PP shall put notice board on the revenue rasta for the passer byes	<i>No construction will be carried out above or below the revenue rasta without any prior permission.</i>
5.	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.	<i>We assure that the monitoring data with environment clearance conditions including results of monitored data is being regularly uploaded on our website.</i>
6.	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 sets using recycled treated water and fresh waters for flushing, and quantity of water being supplied through spray faucets attached to toilet seats.	<i>The project is under construction phase. We 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.</i>
7.	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	<i>Separate dust bins will be 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>

**Environmental Clearance for Proposed Independent DLF Alameda at Village- Behrampur & Begampur Khatola, Sector-73, Gurugram, Haryana  
EC No. SEIAA/HR/2021/446 Dated-12.11.2021**

	include area for segregation, Composting. The inert waste from the project will be sent to be dumping site through authorized vender.	
8.	Traffic management plan as submitted shall be implemented in letter and spirit. Apart, 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 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 05kms radius of the site in different scenarios of space and time	<i>Traffic circulation plan of project site is attached as <b>Annexure-2</b>. We have already study the traffic impact analysis during the EIA/EMP report.</i>
9.	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 61,679.32 m2 (26.16%) shall be provided for Green Area development for whole project,	<i>Adequate green area will be developed in the due course of time with native plant species.</i>
10.	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.	<i>We have obtained necessary clearances before the start of construction. Copy of EC Letter vides EC File No. SEIAA/HR/2021/446 dated 12.11.2021 is attached as <b>Annexure-3</b>. Construction will be done as per the NBC norms.</i>
11.	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.	<i>CTE has been obtained from HSPCB Vide No. HSPCB/Consent/: 329962321GUSOCTE18159656 dated 06.12.2021 valid up to 05/12/2026 and the copy is attached as <b>Annexure-4</b>.</i>
12.	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.	<i>Noted.</i>
13.	The PP shall obtain the fire NOC from the Competent Authority before taking the Occupation the Building.	<i>We will obtain Fire NOC during operational phase of project.</i>
14.	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 So2 load by30% if HSD is used. The DG sets will be operated for maximum 04 hours during power failure through Executing Agency	<i>We will install the Eco Friendly Green Transformer based on ester oil to reduce the carbon footprint and we will install gas based generator set.</i>
15.	The PP shall not give occupation or possession before the Water supply Sewage connection permitted by the competent Authority.	<i>We have already obtained the water assurance.</i>
16.	The PP shall not give occupation or possession before the electricity connection permitted by the competent Authority.	<i>Power assurance has already been obtained.</i>
17.	The PP Shall obtain the permission regarding the withdrawal of ground water from HWRA/CGWA before the start of the project If required and also obtained the	<i>No ground water will be used at the project site before obtaining prior clearance from CGWA.</i>

**Environmental Clearance for Proposed Independent DLF Alameda at Village- Behrampur & Begampur Khatola, Sector-73, Gurugram, Haryana  
EC No. SEIAA/HR/2021/446 Dated-12.11.2021**

	CTO from HSPCB after the approval from HRWA/CGWA.	
18.	The PP shall carry out the quarterly awareness program for the stakeholders of the Project.	<i>Agreed and same will be complied.</i>
19.	45 Rain water harvesting recharge pits shall be provided for ground water recharging as per the CGWA Norms in individual plot.	<i>Adequate number of rainwater harvesting pits will be developed at the project site.</i>
20.	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>Agreed and same is being comply.</i>
21.	The PP shall take preventive measures including water sprinkling to control dust during construction & operational phase.	<i>Agreed &amp; Noted.</i>
22.	Any change in stipulation of EC Will lead to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance.	<i>Fresh EC will be obtained before any change in the plan of project.</i>
23.	Adequate studies have been carried out to ascertain that there would not be any obstruction or impediment in general traffic in vicinity of the project due to the said expansion of the project	<i>Agreed &amp; Noted.</i>
24.	The no. of in-bound & out-bound vehicles (27 PCU/ Hr.) and the running hours per day (24 Hr) of DG sets considered while undertaking the studies for evaluating the "Incremental Pollution Load" and those are true to best of our knowledge	<i>Agreed &amp; Noted.</i>
25.	The proposed/installed DG sets & fuel to be used would be as per NCAP/GRAP	<i>DG set used at the project site will be as per the norms.</i>
26.	No untreated water would be released inside or outside the project or anywhere, waste water would be treated to tertiary level & would be used with the installation of "Dual plumbing"	<i>No untreated water will be released outside the project premises and same will be used with the dual plumbing.</i>
27.	Before coming to operation, Project proponent will ensure that all the permissions & connections pertaining to Electricity/water & Sewage discharge are in place	<i>Noted and same will be complied.</i>

**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.	<i>We have obtained necessary clearances before the start of construction. Construction will be done as per the NBC norms.</i>
2.	The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of fire fighting equipment etc. as per National Building Code including protection measures from lightening etc.	<i>Noted.</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 and submitted to the authority and is attached as <b>Annexure-5</b>.</i>

**Environmental Clearance for Proposed Independent DLF Alameda at Village- Behrampur & Begampur Khatola, Sector-73, Gurugram, Haryana  
EC No. SEIAA/HR/2021/446 Dated-12.11.2021**

4.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	<i>As the project doesn't fall in any eco sensitive zone or protective area, hence wildlife approval is not needed.</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.	<i>Necessary clearances, licenses and approvals have been obtained as per the requirement from competent authorities.</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>Agreed &amp; Noted.</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>Agreed &amp; Noted.</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.</i>
9.	The provisions of the Solid waste (Management Rules, 2016, e-Waste (Management) Rules, 2016, and the plastic Waste (Management) Rules, 2016 and Batteries waste (Management Handling Rules 2001 as amended in 2020) shall be followed.	<i>Waste will be disposed as per the guidelines.</i>
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
<b>i</b>	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.	<i>Dust Mitigation measures and water sprinkling system will be provided at site during construction.</i>
<b>ii</b>	A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.	<i>Low sulphur diesel type DG sets will be used during construction phase.</i>
<b>iii</b>	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 PM25) covering upwind and downwind directions during the construction period.	<i>We ensure that vehicles hired for bringing construction material to the site will have PUC certificate. Monitoring reports will be submitted on regular basis. Same is attached as <b>Annexure-6</b>.</i>
<b>iv</b>	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 will be installed to conform to the guidelines under EPA Act.</i>
<b>v</b>	Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as	<i>Proper barricading will be done before the start of construction at site. Sign board and screens will be provided when construction</i>

**Environmental Clearance for Proposed Independent DLF Alameda at Village- Behrampur & Begampur Khatola, Sector-73, Gurugram, Haryana  
EC No. SEIAA/HR/2021/446 Dated-12.11.2021**

	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>starts at site. Construction material will be stored with cover and tarpaulins so that no dust emission occurs at and around the site.</i>
<b>vi</b>	Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.	<i>Construction material is being cover properly.</i>
<b>vii</b>	Wet jet shall be provided for grinding and stone cutting.	<i>Noted.</i>
<b>viii</b>	Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.	<i>Noted.</i>
<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.	<i>Construction debris will be disposed safely so that it would not create any adverse effects on environment as well as nearby societies.</i>
<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.	<i>Ultra LSD will be installed for construction purpose.</i>
<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.	<i>Adequate height will be provided for stack as per CPCB norms.</i>
<b>xii</b>	For indoor air quality the ventilation provisions as per National Building code of India.	<i>Noted.</i>

**II water quality monitoring and preservation**

<b>S. No.</b>	<b>Conditions of Environmental Clearance</b>	<b>Status of Compliance</b>
<b>[i]</b>	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.	<i>No natural drain will be disturbed during the construction phase.</i>
<b>[ii]</b>	Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.	<i>Building is designed to follow the natural topography as much as possible.</i>
<b>[iii]</b>	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>We assure that total fresh requirement will not exceed the proposed water requirement.</i>
<b>[iv]</b>	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	<i>Digital flow meters will be installed to monitor the water usage, water recycling and rainwater harvesting.</i>

**Environmental Clearance for Proposed Independent DLF Alameda at Village- Behrampur & Begampur Khatola, Sector-73, Gurugram, Haryana  
EC No. SEIAA/HR/2021/446 Dated-12.11.2021**

S. No.	Conditions of Environmental Clearance	Status of Compliance
	project proponent. The record shall be submitted to the Regional Office, MoEF&CC/SEIAA along with six monthly Monitoring reports.	
[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>Noted and same will be complied.</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.	<i>Adequate open space will be developed as grass paver and paver blocks.</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>Noted.</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.	<i>Adequate water saving devices will be installed to reduce the water usage.</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>Dual plumbing will be installed to separate grey and black water.</i>
[x]	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	<i>Premixed concrete will be used to reduce the water demand.</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 Development Model Building Byelaws, 2016. 06 Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.	<i>Noted.</i>
[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>Rainwater harvesting plan has been already prepared and submitted to the competent authority.</i>
[xiii]	All recharge should be limited to shallow aquifer.	<i>Noted and agreed.</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	<i>No ground water will be used without any prior dewatering permission from competent authority.</i>

**Environmental Clearance for Proposed Independent DLF Alameda at Village- Behrampur & Begampur Khatola, Sector-73, Gurugram, Haryana  
EC No. SEIAA/HR/2021/446 Dated-12.11.2021**

S. No.	Conditions of Environmental Clearance	Status of Compliance
	guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.	
[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>Noted and will be complied.</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.</i>
[xviii]	No sewage or untreated effluent water would be discharged through storm water drains.	<i>The all effluent water will be treated and used inside the project site.</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.</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.	<i>Noted.</i>

**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/SPCB.	<i>Noise level survey will be carried out as per the guidelines. Monitoring reports are enclosed as <b>Annexure-6</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-	<i>Noted.</i>

**Environmental Clearance for Proposed Independent DLF Alameda at Village- Behrampur & Begampur Khatola, Sector-73, Gurugram, Haryana  
EC No. SEIAA/HR/2021/446 Dated-12.11.2021**

	monthly compliance report.	
<b>3.</b>	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>Noted.</i>

**IV. Energy Conservation measures**

<b>S. No.</b>	<b>Conditions of Environmental Clearance</b>	<b>Status of Compliance</b>
<b>(i)</b>	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 in no case shall be less than 25% as prescribed.	<i>Solar power generation system will be installed as per the requirement to meet 1% of total power load of the demand. Plan in this regard has been submitted.</i>
<b>(ii)</b>	Outdoor and common area lighting shall be LED.	<i>Solar power will be used in street lightening and apartment to reduce the power load. Separate meter will be installed for solar power load.</i>
<b>(iii)</b>	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. Outdoor and common area will be lightened with solar light to reduce electricity load on power grid.</i>
<b>(iv)</b>	Energy conservation measures like installation of CFLs/LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.	<i>LED lights will be provided in residents and office areas</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>Noted.</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.</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.</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>We will ensure that disposal of muck during development and construction of the project not creates any adverse effect on nearby communities. Hazardous waste will be disposed off through authorized vendors.</i>

**Environmental Clearance for Proposed Independent DLF Alameda at Village- Behrampur & Begampur Khatola, Sector-73, Gurugram, Haryana  
EC No. SEIAA/HR/2021/446 Dated-12.11.2021**

<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>Disposal of waste generated during construction phase will be 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>Used LEDs will be collected properly and disposed off through authorized vendor. Energy conservation measures will be applied as per the BEE standards.</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>Solid waste management aspects will be properly addressed and compliance with the waste management 2016 rules will be practiced.</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>Solid waste generated during construction phase will be collected and segregated. The bio-degradable waste will be treated by appropriate technology at the site ear-marked within the project area and non-biodegradable solid waste would be disposed off to municipal landfill sites after recovering recyclable wastes.</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>Noted.</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.	<i>Construction site is being barricaded properly before the construction begins. All the measure will be taken care during construction to minimize pollution. The land to be developed for the project is a vacant lands hence no demolition debris will be generated.</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 must be used in building construction.	<i>We will use fly ash to the maximum extent. Fly ash will be used for bricks and for cementing purpose.</i>
<b>(ix)</b>	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>Noted.</i>
<b>(x)</b>	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 CFLs and LEDs will be handed over the authorised vendors as per the norms.</i>

**VI. Green Cover**

<b>S. No.</b>	<b>Conditions of Environmental Clearance</b>	<b>Status of Compliance</b>
<b>1.</b>	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. During project development 33% of land will be developed for landscaping as per the proposed plan.</i>
<b>2.</b>	A minimum of 1 tree for every 80 sqm of land should be	<i>We have submitted the plan for biodiversity conservation. A</i>

**Environmental Clearance for Proposed Independent DLF Alameda at Village- Behrampur & Begampur Khatola, Sector-73, Gurugram, Haryana  
EC No. SEIAA/HR/2021/446 Dated-12.11.2021**

	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>total of 570 lacks rupees have been allotted for corporate environment responsibility.</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>Excavated top soil during construction phase will be stored properly to be later used in horticulture landscaping &amp; land filling.</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>We will comply with the condition.</i>

**VII. Transport**

<b>S. No.</b>	<b>Conditions of Environmental Clearance</b>	<b>Status of Compliance</b>
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 deigned 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.	<i>Noted and same will be complied.</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 operated only during non-peak hours.	<i>Good condition vehicles with valid PUC Certificate will be allowed to enter the project premises.</i>
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 5.0kms 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.	<i>Traffic decongestion plan has already been submitted to the authority and the same will be developed in the due course of time.</i>

**Environmental Clearance for Proposed Independent DLF Alameda at Village- Behrampur & Begampur Khatola, Sector-73, Gurugram, Haryana  
EC No. SEIAA/HR/2021/446 Dated-12.11.2021**

**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>Dust mask and proper protection equipment will be provided to the site workers.</i>
2.	For indoor air quality the ventilation provisions as per National Building Code of India.	<i>Noted.</i>
3.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	<i>Noted.</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>Will be complied.</i>
5.	Occupational health surveillance of the workers shall be done on a regular basis.	<i>Noted.</i>
6.	A First Aid Room shall be provided in the project both during construction and operations of the project.	<i>Noted.</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.	<i>Noted.</i>
2.	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should 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/ wildlife norms/ conditions and/ or shareholders/ stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report	<i>Noted and agreed. Copy of the Environmental Policy is attached as Annexure-7.</i>
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.	<i>Noted.</i>
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	<i>Will be complied.</i>

**Environmental Clearance for Proposed Independent DLF Alameda at Village- Behrampur & Begampur Khatola, Sector-73, Gurugram, Haryana  
EC No. SEIAA/HR/2021/446 Dated-12.11.2021**

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.

**X. Miscellaneous**

S. No.	Conditions of Environmental Clearance	Status of Compliance
1.	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.	<i>We have already given advertisement in two local newspapers and also submitted a copy to the concerned authority.</i>
2.	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>Noted and agreed.</i>
3.	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.	<i>Noted. We will regularly upload the environmental clearance conditions with all monitoring data on our website.</i>
4.	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>Will be complied.</i>
5.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	<i>Noted. We will regularly submit the environmental statement once the project comes in operational phase.</i>
6.	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 same will be complied.</i>
7.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	<i>Noted and will be complied.</i>
8.	The project proponent shall abide by all the commitments and recommendation made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	<i>Noted. We Will abide all the commitments and recommendations made during the public hearing and presentation to the Committee.</i>
9.	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.	<i>Noted.</i>

**Environmental Clearance for Proposed Independent DLF Alameda at Village- Behrampur & Begampur Khatola, Sector-73, Gurugram, Haryana  
EC No. SEIAA/HR/2021/446 Dated-12.11.2021**

<b>10.</b>	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.	<i>No change in project plan will lead without prior environmental clearance for the same.</i>
<b>11.</b>	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.	<i>Noted.</i>
<b>12.</b>	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.	<i>Noted.</i>
<b>13.</b>	The Ministry/ SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	<i>Noted.</i>
<b>14.</b>	The Ministry/ SEIAA reserve the right to stipulated additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	<i>Noted and agreed.</i>
<b>15.</b>	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.	<i>We will provide our full cooperation to the officers of Regional Office with all the related documents and data.</i>
<b>16.</b>	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 Waste: (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.	<i>Noted.</i>
<b>17.</b>	The validity of this environment clearance letter is valid up to 7 years from the date of issuance of EC letter. 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>Noted.</i>
<b>18.</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. 7 years	<i>Noted and agreed.</i>
<b>19.</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.	<i>Noted.</i>

# 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 3 locations; one being nears the Main Gate, Second is C - Gate (C-Block) & Last is D – Park Area of the project. 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 locations of the ambient air quality monitoring stations are given in **Table 3.1**.

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

S. No.	Location Code	Location Name/ Description
1	AAQ-1	Near Main Gate
2.	AAQ-2	C- Gate (C-Block)
3.	AAQ-3	D-Area Park

#### **AAQ-1: Near Main Gate**

The sampler was placed Near Main Gate. Vicinity represents residential environmental setting.

#### **AAQ-2: C- Gate (C-Block)**

The sampler was placed within C- Gate (C-Block). Vicinity represents residential environmental setting

#### **AAQ-3: D-Area Park**

The sampler was placed within D-Area Park of the project. Vicinity represents residential environmental setting.

#### 3.1.2 3.1.2 Ambient Air Quality Monitoring Methodology

Monitoring was conducted in respect of the following parameters:

- Particulate Matter 10 (PM 10)
- Particulate Matter 2.5 (PM 2.5)
- Nitrogen Dioxide (as NO<sub>2</sub>)
- Sulphur Dioxide (as SO<sub>2</sub>)
- Carbon Monoxide (as CO)
- Benzene (as C<sub>6</sub>H<sub>6</sub>)
- Ammonia (as NH<sub>3</sub>)
- Ozone (as O<sub>3</sub>)
- Lead (as Pb)
- Arsenic (as As)
- Nickel (as Ni)
- Benzo (alpha) pyrene

**Environmental Clearance for Proposed Independent DLF Alameda at Village- Behrampur & Begampur Khatola, Sector-73, Gurugram, Haryana  
EC No. SEIAA/HR/2021/446 Dated-12.11.2021**

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 16<sup>th</sup> 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 Repairable fraction (<10 microns), gaseous pollutants like SO<sub>2</sub>, and NO<sub>2</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 10	Respirable Dust Sampler, with cyclone separator, Gravimetric Method	IS: 5182 (P-23) : 2006 RA : 2017
2	Particulate Matter 2.5	Fine Particulate Sampler, Gravimetric Method	IS: 5182 (P-24) : 2019
3	Nitrogen Dioxide (as NO <sub>2</sub> )	Jacob & Hochheiser	IS: 5182 (P-6) 2006 RA:2022
4	Sulphur Dioxide (as SO <sub>2</sub> )	Modified West and Gaeke	IS: 5182 (P-2) RA:2023
5	Carbon Monoxide (as CO)	Gas Chromatography	IS:5182 (P-10), NDIR Method
6	Benzene (as C <sub>6</sub> H <sub>6</sub> )	Gas Chromatography	IS: 5152 (Part-11)
7	Ammonia (as NH <sub>3</sub> )	Distillation Method	VEL/EN/STP/155, Issue No.-01, Issue Date 01/11/2023
8	Ozone (as O <sub>3</sub> )	Colorimetry	IS: 5182 (P-9)
9	Lead (as Pb)	Atomic Absorption Spectro-photometer	IS: 5182 (P-22)
10	Arsenic (as As)	Atomic Absorption Spectro-photometer	VEL/EN/STP/110, Issue No.1, Issue date 01/11/2023
11	Nickel (as Ni)	Atomic Absorption Spectro-photometer	IS: 5182 (P-26)
12	Benzo (alpha) pyrene	Gas Chromatography	VEL/EN/STP/157, Issue No.-01, Issue Date 01/11/2023

**3.1.3 Ambient Air Quality Monitoring Results**

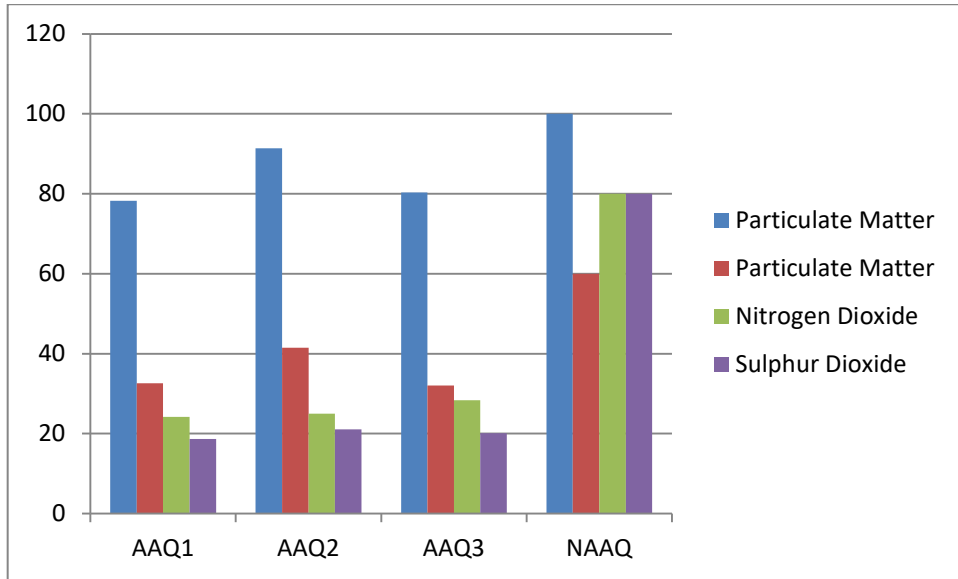
The detailed on-site monitoring results of PM<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> and CO are presented in **Table 3.3**.

**Table 3.3 Ambient Air Quality Monitoring Results**

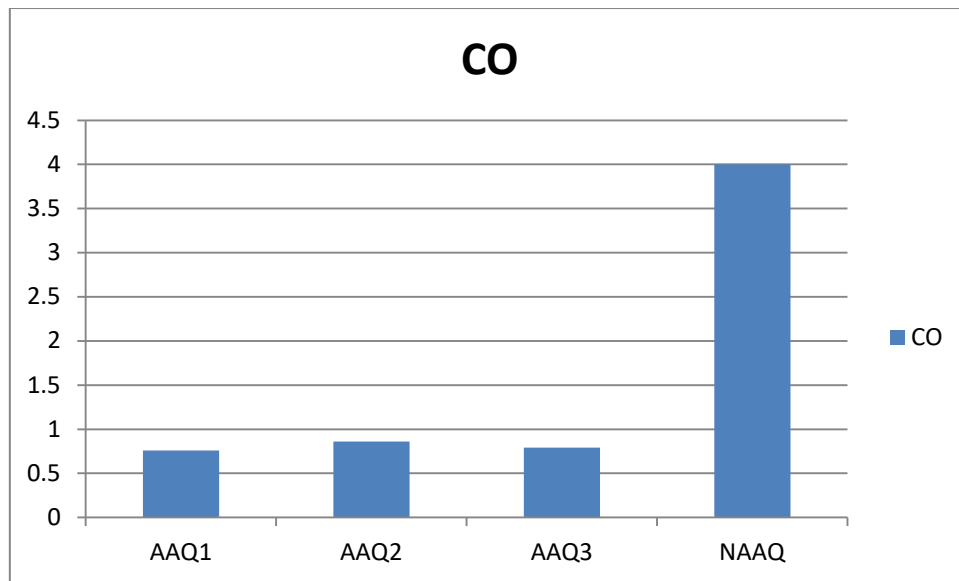
S. No.	Parameter	Test Result			NAAQS*
		AAQ1	AAQ2	AAQ3	
1.	Particulate Matter (as PM - 10)	78.26	91.41	80.33	100
2.	Particulate Matter (as PM - 2.5)	32.64	41.50	32.02	60
3.	Nitrogen Dioxide (as NO <sub>2</sub> )	24.21	25.00	28.36	80
4.	Sulphur Dioxide (as SO <sub>2</sub> )	18.65	21.06	20.09	80
5.	Carbon Monoxide (as CO)	0.76	0.86	0.79	4.0
6.	Benzene (as C <sub>6</sub> H <sub>6</sub> )	BLQ(LOQ-0.5)	BLQ(LOQ-0.5)	BLQ(LOQ-0.5)	5.0
7.	Ammonia (as NH <sub>3</sub> )	26.55	25.20	28.20	400
8.	Ozone (as O <sub>3</sub> )	20.38	22.17	23.45	180.0
9.	Lead (as Pb)	BLQ(LOQ-0.1)	BLQ(LOQ-0.1)	BLQ(LOQ-0.1)	1.0
10.	Arsenic (as As)	BLQ(LOQ-0.1)	BLQ(LOQ-0.1)	BLQ(LOQ-0.1)	6.0
11.	Nickel (as Ni)	BLQ(LOQ-5.0)	BLQ(LOQ-5.0)	BLQ(LOQ-5.0)	20.0
12.	Benzo (alpha) pyrine	BLQ(LOQ-0.5)	BLQ(LOQ-0.5)	BLQ(LOQ-0.5)	1.0

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

# SOP- Laboratory Standard Operating Procedure this parameter is not covered in our NABL Scope



**Figure 3.1 Location-wise Variation of Ambient Air Quality ( $\text{PM}_{2.5}$ ,  $\text{PM}_{10}$ ,  $\text{SO}_x$ ,  $\text{NO}_x$ )**



**Figure 3.2 Location-wise Variation of CO in Ambient Air Quality**

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

$\text{PM}_{10}$  and  $\text{PM}_{2.5}$  levels at the project site are within the permissible limit of  $100 \mu\text{g}/\text{m}^3$  and  $60 \mu\text{g}/\text{m}^3$  respectively (for commercial, rural and other areas as stipulated in the National Ambient Air Quality Standards).  $\text{SO}_2$ ,  $\text{NO}_x$  and CO was observed within the corresponding stipulated limits (Limit for  $\text{SO}_2$  and  $\text{NO}_x$ :  $80 \mu\text{g}/\text{m}^3$  and limit for CO:  $4.0 \text{ mg}/\text{m}^3$ ) at all monitoring locations. Station wise variation of ambient air quality parameters has been pictorially shown in **Figure 3.1-3.2**.

### 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 in near main gate 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 3 location at the boundary of the project site as given in **Table 3.4**.

**Table 3.4 Details of Ambient Noise Monitoring Stations**

Sr. No.	Location Code	Location Name	Description
1.	N1	Near Main Gate	Residential
2.	N2	C-Block Gate	Residential
3.	N3	D-1 Park (Block)	Residential

### 3.2.2 Methodology of Noise Monitoring

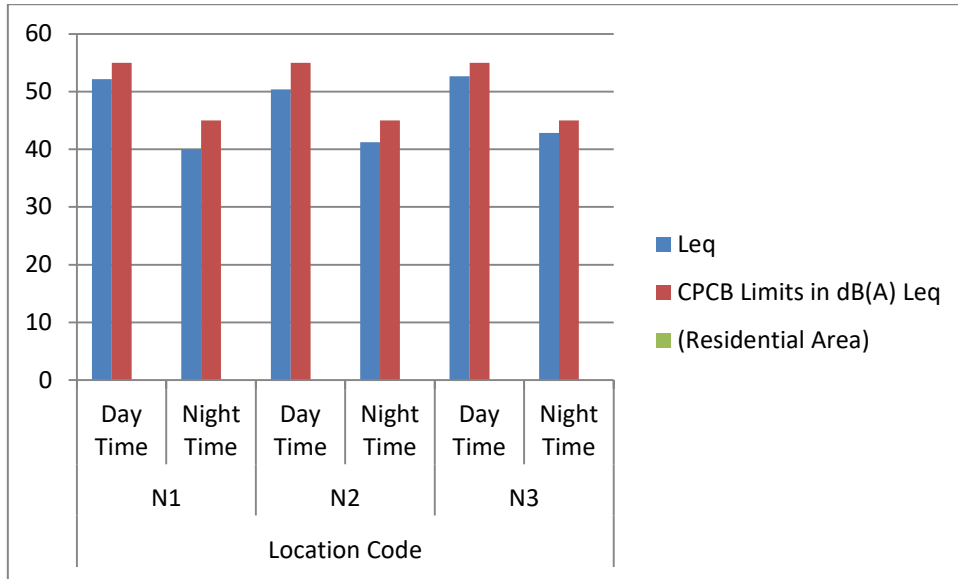
Noise levels were measured using sound level meter. Noise level monitoring was carried out continuously for 24-hours with one hour interval starting at 06:00 hrs to 06:00 hrs next day. The noise levels were monitored on working days only. During each hour Leq were directly computed by the instrument 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 3.3**.

**Table 3.5 Ambient Noise Monitoring Results**

	Location Code					
	N1		N2		N3	
	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
<b>Leq</b>	52.14	40.01	50.36	41.22	52.66	42.84
<b>CPCB Limits in dB(A) Leq (Residential Area)</b>	<b>55.00</b>	<b>45.00</b>	<b>55.00</b>	<b>45.00</b>	<b>55.00</b>	<b>45.00</b>



**Figure 3.3 Location Wise variation of Ambient Noise Quality**

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

#### Day Time Noise Levels ( $L_{day}$ ):

The day time noise level at all the locations were found to within limits prescribed for residential area i.e. 55 db (A).

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

The night time noise level at all the locations were found to within limit prescribed for residential area i.e. 45 dB (A).

### 3.3 WATER QUALITY MONITORING

#### 3.3.1 Water Quality Monitoring Locations

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

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

**Table3.6 Details of Water Quality Monitoring Station**

S. No.	Location Code	Location Description
1.	Drinking Water	Pump House

#### 3.5.2 Methodology of water Quality Monitoring

Sampling of water was carried out on **April 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 water are given in **Table 3.7**.

### 3.5.3 Water Quality Results

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

**Table 3.7 Water Quality Monitoring Results**

S. No.	Parameter	Test-Method	Result	Unit	Requirement as per IS:10500 -2012	
					Acceptable Limit	Permissible limit
1.	pH (at 25 °C)	IS:3025 (Part 11):2022 (Using by Electrode)	7.59	--	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 Method)	<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)	162.00	mg/l	500	2000
7.	Calcium (as Ca),max	IS:3025:Part-40: 1991 (EDTA Titrimetric Method)	23.36	mg/l	75	200
8.	Alkalinity (as CaCO <sub>3</sub> )	IS:3025:Part 23: 2023 (Indicator Method)	94.56	mg/l	200	600
9.	Chloride (as Cl),max	IS:3025:Part-32: 1988 (Argentometric Method)	22.02	mg/l	250	1000
10.	Magnesium (as Mg)	IS:3025:Part-46: 2023 (Volumetric Method using EDTA)	7.19	mg/l	30	100
11.	Total Hardness (as CaCo3),max	IS:3025:P-21:2009 (EDTA Method)	88.00	mg/l	200	600
12.	Sulphate(as SO <sub>4</sub> ),max	IS:3025: (Part24/Sec-1):2022 (Turbidity Method)	12.24	mg/l	200	400
13.	Fluoride (as F),max	APHA 4500 F-D:24th Edition : 2023 (SPADNS Method)	0.26	mg/l	1.0	1.5
14.	Nitrate (as NO <sub>3</sub> ),max	IS:3025 P-34/Sec1)2023:(Screening Method)	1.61	mg/l	45.0	No Relaxation

**Environmental Clearance for Proposed Independent DLF Alameda at Village- Behrampur & Begampur Khatola, Sector-73, Gurugram, Haryana  
EC No. SEIAA/HR/2021/446 Dated-12.11.2021**

15.	Iron (as Fe),max	VEL/W/STP/ 03, Issue No.-01, Issue date-01/11/23:2023	BLQ(LOQ-0.01)	mg/l	1.0	No relaxation
16.	Aluminum (as Al),max	VEL/W/STP/ 03, Issue No.-01, Issue date-01/11/23:2023	0.002	mg/l	0.03	0.2
17.	Boron (as B),max	VEL/W/STP/ 03, Issue No.-01, Issue date-01/11/23:2023	0.05	mg/l	0.5	2.4
18.	Total Chromium (as Cr),max	VEL/W/STP/ 03, Issue No.-01, Issue date-01/11/23:2023	BLQ(LOQ-0.002)	mg/l	0.05	No Relaxation
19.	Phenolic Compounds (C6H5OH),max	Clause-6 of IS:3065(P-43/Sec-1):2022, (With Chloroform Extraction Method)	BLQ(LOQ-0.001)	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-01/11/23:2023	BLQ(LOQ-0.01)	mg/l	5.0	15.0
23.	Copper (as Cu),max	VEL/W/STP/ 03, Issue No.-01, Issue date-01/11/23:2023	BLQ(LOQ-0.002)	mg/l	0.05	1.5
24.	Manganese (as Mn),max	VEL/W/STP/ 03, Issue No.-01, Issue date-01/11/23:2023	BLQ(LOQ-0.01)	mg/l	0.1	0.3
25.	Selenium (as Se),max	VEL/W/STP/ 03, Issue No.-01, Issue date-01/11/23:2023	BLQ(LOQ-0.001)	mg/l	0.01	No Relaxation
26.	Cadmium (as Cd),max	VEL/W/STP/ 03, Issue No.-01, Issue date-01/11/23:2023	BLQ(LOQ-0.002)	mg/l	0.003	No Relaxation
27.	Lead (as Pb),max	VEL/W/STP/ 03, Issue No.-01, Issue date-01/11/23:2023	BLQ(LOQ-0.002)	mg/l	0.01	No Relaxation
28.	Cyanide (as CN),max	IS 3025 (P-27/Sec-1) :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-01/11/23:2023	BLQ(LOQ-0.005)	mg/l	0.01	No Relaxation
30.	Mercury (as Hg),max	VEL/W/STP/ 03, Issue No.-01, Issue date-01/11/23:2023	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	--

**Environmental Clearance for Proposed Independent DLF Alameda at Village- Behrampur & Begampur Khatola, Sector-73, Gurugram, Haryana  
EC No. SEIAA/HR/2021/446 Dated-12.11.2021**

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).

#### **3.5.4 Discussion on Drinking Water Quality in the Study Area**

The water quality in the project area is observed to be alkaline in nature with total alkalinity reaching up to 94.56 mg/L at project site against desirable limit of 200 mg/l. Total dissolved solids in the water is 162.00 mg/L at project site against prescribed limit of 500 mg/L. However, remaining parameters are within the CPCB prescribed limits.

### **3.4 SOIL MONITORING**

### **3.4.1 Soil Monitoring Locations**

The objective of the soil monitoring is to identify the impacts of on-going 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 on-going 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 3.8**.

**Table 3.8 Details of Soil Quality Monitoring Location**

<b>S. No.</b>	<b>Location Code</b>	<b>Location Name/ Description</b>
1.	<b>S1</b>	Central Park

### **3.4.2 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 soil samples were collected in the month of **March 2025**.

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.

### 3.4.3 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)	7.51	--
2.	Electrical Conductivity	IS : 14767	0.358	mS/cm
3.	Colour	VEL/EN/STP/67, Issue No.- 01, Issue date 01/11/2023	Yellowish Brown	--
4.	Water holding capacity	VEL/EN/STP/86, Issue No.- 01, Issue date 01/11/2023	23.61	%
5.	Bulk density	VEL/EN/STP/59, Issue No.- 01, Issue date 01/11/2023	1.34	gm/cc
6.	Chloride (as Cl)	VEL/EN/STP/69, Issue No.- 01, Issue date 01/11/2023	128.61	mg/kg
7.	Calcium (as Ca)	VEL/EN/STP/72, Issue No.- 01, Issue date 01/11/2023	168.32	mg/kg
8.	Sodium (as Na)	VEL/EN/STP/62, Issue No.- 01, Issue date 01/11/2023	35.20	mg/kg
9.	Potassium (as K)	VEL/EN/STP/61, Issue No.- 01, Issue date 01/11/2023	82.69	mg/kg
10.	Organic Matter	IS 2720 (P-22)	0.38	%
11.	Magnesium (as Mg)	VEL/EN/STP/72, Issue No.- 01, Issue date 01/11/2023	12.24	mg/kg
12.	Available Nitrogen (as N)	IS:14684	261.54	kg./hec.
13.	Available Phosphorus	VEL/EN/STP/73, Issue No.- 01, Issue date 01/11/2023	22.81	kg./hec.
14.	Total Zinc (as Zn)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	14.02	mg/kg
15.	Total Manganese (as Mn )	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	32.24	mg/kg
16.	Total Chromium (as Cr)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	5.31	mg/kg
17.	Total Lead (as Pb)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	1.28	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	4.20	mg/kg
20.	Soil Texture	VEL/HW/STP/64, Issue No.- 01, Issue date 01/11/2023	Sandy Loam	--

### 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.

**3.5 Stack Emission Monitoring**

**Table 3.10 Details of Stack Monitoring Stations**

S. No.	Location Code	Capacity
1.	DG1	1010 KVA (RECD)
2.	DG2	1010 KVA (RECD)

**Table 3.11 Stack Monitoring Results**

**Location- DG1**

S. No.	Parameter	Protocol	Result	Unit	Limits (As Per CAQM)
1.	PM(at 15% O2 Correction)	IS 11255 (P-1)	22.52	mg/Nm <sup>3</sup>	50.0
2.	NOX( at 15% O2 Correction)	VEL/EN/STP/146, Issue No.-01, Issue Date-01/11/2023	274.26	mg/Nm <sup>3</sup>	650.0
3.	Carbon Monoxide(as CO) (at15% O2 Correction)	VEL/EN/STP/146, Issue No.-01, Issue Date-01/11/2023	68.38	mg/Nm <sup>3</sup>	100.0
4.	NMHC(at 15% O2 Correction)	VEL/EN/STP/137, Issue No.-01, Issue Date-01/11/2023	25.20	mg/Nm <sup>3</sup>	Not Specified

**Table 3.12 Stack Monitoring Results**

**Location- DG2**

S. No.	Parameter	Protocol	Result	Unit	Limits (As Per CAQM)
1.	PM(at 15% O2 Correction)	IS 11255 (P-1)	24.24	mg/Nm <sup>3</sup>	50.0
2.	NOX( at 15% O2 Correction)	VEL/EN/STP/146, Issue No.-01, Issue Date-01/11/2023	264.19	mg/Nm <sup>3</sup>	650.0
3.	Carbon Monoxide(as CO) (at15% O2 Correction)	VEL/EN/STP/146, Issue No.-01, Issue Date-01/11/2023	69.00	mg/Nm <sup>3</sup>	100.0
4.	NMHC(at 15% O2 Correction)	VEL/EN/STP/137, Issue No.-01, Issue Date-01/11/2023	24.00	mg/Nm <sup>3</sup>	Not Specified

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

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

S. No.	Location Code	Capacity
1.	DG1	1010 KVA
2.	DG2	1010 KVA

**Table 3.14 DG Noise Monitoring Results**

S. No.	Parameters	Protocol	Result dB(A)		
			Open the Canopy of DG Set Results dB(A)	Close the Canopy of DG Set (1.0 mtr. Distance) Result dB(A)	Insertion Loss
1.	L <sub>eq</sub>	IS: 4758	98.6	72.8	25.8
2.	CPCB Limits in Leq dB (A)	--	--	75.0 (Max.)	25.0 (Min.)

**Table 3.15 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 (1.0 mtr. Distance) Result dB(A)	Insertion Loss
1.	L <sub>eq</sub>	IS: 4758	99.1	72.9	26.2
2.	CPCB Limits in Leq dB (A)	--	--	75.0(Max.)	25.0 (Min.)



SilentPower

DG NO-1

M: DLF HOMEREADE  
L: 400V  
W: 11-12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23  
100-105 Area  
Date-27/03/25



M/S DLF Home Develop  
LH 40th  
Vill - Bahram Pur Sec 73  
A & A / Noise  
Loc - Main Gate  
Date - 27/03/25

GPS Map  
Camera Lite

A1, Sector 73, Gurugram, Haryana 122101, India

Latitude  
28.403644999999997°

Longitude  
77.01494833333332°

Local 04:00:02 PM  
GMT 10:30:02 AM

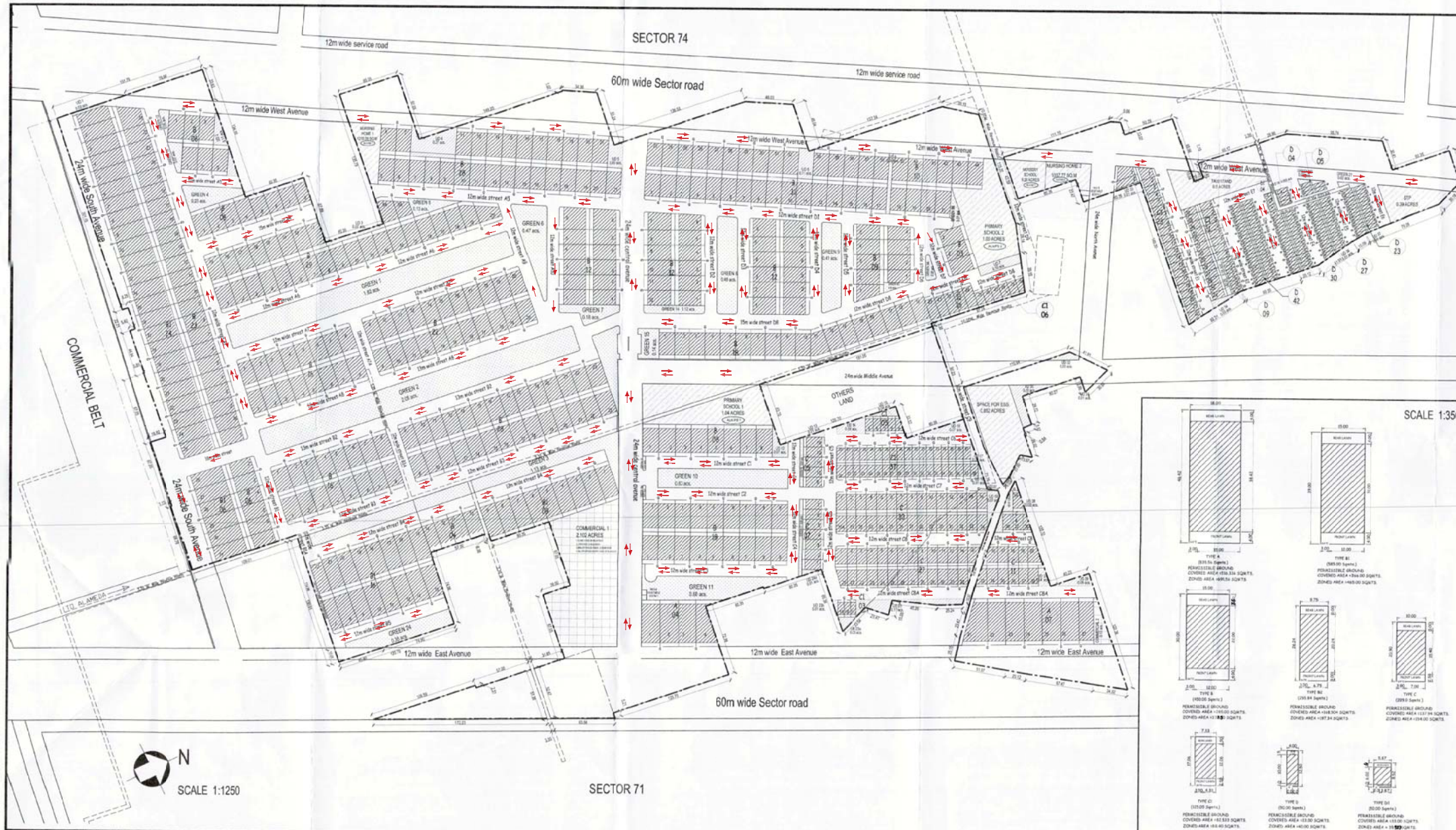
Altitude 226 meters  
Thursday, 27.03.2025



M/S DLF Home Derlife  
Lhd + other  
vill - Gehm Fur Sec-73  
Soil  
loc [unclear]  
Date - 27/03/25

**EMP Budget:**

During Construction Phase			During Operation Phase		
Description	Capital Cost (In Lakhs)	Recurring Cost (In Lakhs/Annum)	Description	Capital Cost (in Lakhs)	Recurring Cost (In Lakhs /Annum)
Topsoil Conservation	5.66	0.25	Landscaping	30	6
Soil Erosion Control/Slope Stabilization	0.5	0.5	Use of Solar	36	1
Sanitation and Wastewater Management	11.02	1.2	Rainwater Harvesting system	6.59	0.5
PPE for workers	15	0	Water Conservation (Dual Plumbing within plots, Low flow Fixtures, etc.)	135	6.75
Medical /First Aid /Health Check-up	12.5	0	Solid Waste Management (Collection/Storage)	10	3.6
Dust Mitigation Measures	15	0	Organic Waste Treatment Facility	5	1.8
Waste Management	5	0	Energy Efficient Appliances/Transformer/Equipment/Lights, etc.	15	0.5
	64.68	1.95		237.59	20.15
<b>Total</b>	<b>65 Lakhs</b>	<b>2 Lakhs</b>	<b>Total</b>	<b>238 Lakhs</b>	<b>20Lakhs</b>



**REVISED ZONING PLAN OF RESIDENTIAL PLOTTED COLONY LICENSED AREA MEASURING 113.837 ACERS (LICENCE NO. 88 OF 2010 DATED 28.10.2010, LICENCE NO. 21 OF 2012 DATED 20.03.2012, LICENCE NO. 109 OF 2012 DATED 26.10.2012 & LICENSE NO.81 OF 2018 DATED 01.12.2018) IN SECTOR 73, GURUGRAM MANESAR URBAN COMPLEX BEING DEVELOPED BY DLF HOME DEVELOPERS LTD. & OTHERS**

For purpose of Chapter 1.2 (xv) & 6.1 (1) of the Haryana Building Code, 2017, amended from time to time.

- USE ZONE:**  
The plot height in this zoning plan shall be utilized in accordance with the marking explained in the table below and no other manner whatsoever:  

NOTATION	Permissible use of land on the basis of the plot number and I.	Type of building permissible on land marked in col. 2.
1	Residential	Residential
2	Commercial	Commercial
3	Public Open Space	To be used only for landscape features and utility services.
4	Residential Suburban Zone	Residential
5	Community Building	As per supplementary zoning plan or as per requirements for each site. To be approved separately for each site.

- MAXIMUM PERMISSIBLE GROUND COVERAGE BASEMENT, FAR AND MAXIMUM PERMISSIBLE HEIGHT/INCLUDING STILT PARKING:**  
 (A) The building or buildings shall be constructed only within the portion of the site marked as buildable area in explained above, and moreover also:  
 (B) The Maximum permissible ground coverage, basement, FAR and maximum permissible height (including stilt parking on the area of the site mentioned in column 1, according to the table below:  

Plot Area	Permissible Ground Coverage (%)	Permissible Basement (%)	Permissible FAR	Permissible Height (m)	Permissible Stilt Parking (sqm)
Up to 1000 sqm	40	10	1.5	15.00	1000
1000 to 2000 sqm	35	10	1.5	15.00	1000
2000 to 3000 sqm	30	10	1.5	15.00	1000
3000 to 4000 sqm	25	10	1.5	15.00	1000
4000 to 5000 sqm	20	10	1.5	15.00	1000
5000 to 6000 sqm	15	10	1.5	15.00	1000
6000 to 7000 sqm	10	10	1.5	15.00	1000
7000 to 8000 sqm	10	10	1.5	15.00	1000
8000 to 9000 sqm	10	10	1.5	15.00	1000
9000 to 10000 sqm	10	10	1.5	15.00	1000

- PERMISSIBLE NUMBER OF DWELLING UNIT ON EACH PLOT**  
 (A) GENERAL, NP/IND AND EWS PLOTS  
 Not more than three dwelling units shall be allowed on each plot. However, maximum number of dwelling units shall be 10 for plots in EWS category and 15 for plots in NP/IND category. In case of plots falling in EWS category not more than three dwelling units will be allowed and only one dwelling unit shall be allowed on each floor.  
 (B) SUB-DIVISION / COMBINATION OF PLOTS.  
 No plot shall be sub-divided. However two plots under one ownership may be combined to form a single plot except EWS plots, subject to the following condition:  
 (i) The site coverage and No. of dwelling units shall be as per 2 & 3 above. The maximum permissible coverage shall be calculated considering the combined plot as a single unit.  
 (ii) The minimum permissible height of building shall be as per 2 & 3 above.

- BUILDING SETBACK**  
 Building other than boundary wall and gate shall be constructed only within the portion of the site marked as buildable area in explained above in clause number 1 above. The setback provisions as stated in Haryana Building Code 2017 shall apply to the portion marked as residential buildable area.  
 The maximum height and number of storey shall be allowed as per given in table as below:  

Plot Area	Permissible Height (m)	Permissible No. of Storeys
Up to 1000 sqm	15.00	4
1000 to 2000 sqm	15.00	4
2000 to 3000 sqm	15.00	4
3000 to 4000 sqm	15.00	4
4000 to 5000 sqm	15.00	4
5000 to 6000 sqm	15.00	4
6000 to 7000 sqm	15.00	4
7000 to 8000 sqm	15.00	4
8000 to 9000 sqm	15.00	4
9000 to 10000 sqm	15.00	4
- HEIGHT OF THE BUILDING AND PERMISSIBLE NUMBER OF STOREY**  
 The maximum height and number of storey shall be allowed as per given in table as below:  

Plot Area	Permissible Height (m)	Permissible No. of Storeys
Up to 1000 sqm	15.00	4
1000 to 2000 sqm	15.00	4
2000 to 3000 sqm	15.00	4
3000 to 4000 sqm	15.00	4
4000 to 5000 sqm	15.00	4
5000 to 6000 sqm	15.00	4
6000 to 7000 sqm	15.00	4
7000 to 8000 sqm	15.00	4
8000 to 9000 sqm	15.00	4
9000 to 10000 sqm	15.00	4
- STILT PARKING**  
 Stilt parking is allowed in all sites plots. The clear height of the stilt shall be 2.45 meters from the plot level and below the bottom of the beam. The stilt will not be permissible for any purpose other than parking.
- PARKING:**  
 (A) Adequate parking spaces, covered, open or in the basement / lift shall be provided for vehicles (cars and scooters), within the site as per Code 7.3 of the Haryana Building Code, 2017.  
 (B) In no circumstances, the vehicles belonging to the plot shall be parked outside the plot area.

**NOTES:**  
 1. Read this drawing in conjunction with the administration plan verified by DTP, Gurugram vide Order No.171 Dated 08.03.2018.  
 2. DRG. NO. DTP-7403 DATED 18-05-2020

(RAJESH DUTT) JD (HQ)     
 (DINESH KUMAR) SDV (HQ)     
 (DIVYA DOGRA) ATP (HQ)     
 (SANJAY KUMAR) DTP (HQ)     
 (D.N. ARYASOBI) STP (HQ)     
 (UTTENDR BHAG) CTP (HR)     
 (K.M. PANDEY) CTP (HR)



SCALE 1:350

SECTOR 71

SECTOR 74

ENVIRONMENTAL  
CLEARANCE

**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**(Issued by the State Environment Impact Assessment**  
**Authority(SEIAA), Haryana)**

To,

The Authorized Signatory  
 M/S DLF HOME DEVELOPERS LTD. & OTHERS.  
 1st Floor, DLF Gateway Tower, R Block, DLF city, Phase III, Gurugram -  
 122002

**Subject:** Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/HR/MIS/220395/2021 dated 16 Jul 2021. The particulars of the environmental clearance granted to the project are as below.

- |  |  |
|--|--|
| 1. EC Identification No.                   | <b>EC21B038HR119705</b>  |
| 2. File No.                                | file No. SEIAA/HR/2021/446 has been assigned   |
| 3. Project Type                            | New  |
| 4. Category                                | B2   |
| 5. Project/Activity including Schedule No. | 8(a) Building and Construction projects  |
| 6. Name of Project                         | Construction of "Independent Floors" at DLF Alameda at Village- Behrampur & Begampur Khatola, Sector-73, Gurugram, Haryana by M/s DLF Home Developers Ltd. & Others. |
| 7. Name of Company/Organization            | M/S DLF HOME DEVELOPERS LTD. & OTHERS.   |
| 8. Location of Project                     | Haryana  |
| 9. TOR Date                                | N/A  |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 12/11/2021

(e-signed)  
**S. Narayanan, IFS**  
**Member Secretary**  
**SEIAA - (Haryana)**

*Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.*

*This is a computer generated cover page.*

PARIVESH

*(Pro-Active and Responsive Facilitation by Interactive,  
 and Virtuous Environmental Single-Window Hub)*



State Environment Impact Assessment Authority, Haryana,  
Bays No.55-58, PrayatanBhawan, Sector-2 Panchkula.

Tel: 0172-2565232, 4043956  
E-mail Id: seiaa-21.env@hry.gov.in

**Subject: Environment Clearance for construction of independent Floors” at DLF Alameda, Village Behrampur & BegumpurKhatola, Sector 73, Gurugram, Haryana by M/s DLF Home Developers Ltd. & Others.**

This has reference to your Proposal No. SIA/HR/MIS/220395/2021 dated 23.06.2021 and subsequent letter dated 27.03.2021 for seeking prior Environmental Clearance (EC) for the above project under the EIA Notification, 2006; along with submission of required affidavits submitted by PP and Consultant vide letter No. 21.10.2021 and scrutiny fee amounting to Rs. 2,00,000/- bearing DD No. 519900 dated 27.10.2021 vide letter dated 01.11.2021 in compliance of Haryana Government, Environment & Climate Change Notification No. DE&CCH/3060 dated 14th October, 2021. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., Form-1, Form1-A, Conceptual Plan and additional clarifications furnished in response to the observations of the State Expert Appraisal Committee (SEAC) constituted by MoEF& CC, GoI vide their Notification dated 30.01.2019, in its meeting held on 26.03.2021 & 19.04.2021 & 20.07.2021 awarded “Gold” rating / grading to the Project.

2. It is inter-alia, noted that the project involves the construction of independent Floors” at DLF Alameda, Village Behrampur & Begumpur Khatola, Sector 73, Gurugram, Haryana.

3. The details of project are as under:

**Table1: Basic Details**

Sr. No.	Particulars	
1.	Online Proposal Number	SIA/HR/MIS/220395/2021
2.	Latitude	28° 24' 30.76" N
3.	Longitude	77° 0' 57.53" E
4.	Plot Area of existing residential plotted colony (DLF Alameda)	113.837 acres
5.	Total plot area proposed for construction of independent floor	20,521.43 m <sup>2</sup> (5.071 Acres)
6.	Proposed Ground Coverage of Plots (45 Plots) for independent floors	12,409.19 m <sup>2</sup>
7.	Proposed FAR of Plots (45 Plots) for independent floors	49,636.746 m <sup>2</sup>
8.	Non FAR (45 Plots) for independent floors	41,922.82 m <sup>2</sup>
9.	Total Built Up Area (FAR Area + Non FAR Area)(45 Plots)	91,559.569 m <sup>2</sup>

*s. ha*

10.	Total Green Area with Percentage		Green area under existing residential plotted colony DLF Alameda (excluding plots area)- <b>61,679.32 m<sup>2</sup> (26.16%)</b>	
11.	Rain Water Harvesting Pits (with size)		45 No's	
12.	STP Capacity		STP with capacity of 2.2 MLD with SBR technology has been installed in existing residential plotted colony "DLF Alameda".	
13.	Organic Waste Converter		1 nos. of OWC of capacity 500 Kg/day	
14.	Maximum Height of the Building (m)		16.5 m	
15.	Power Requirement		1,657 kVA	
16.	Power Backup		2 no's of DG set of total capacity =2,020 kVA (1 x 1,010 kVA + 1 x 1,010 kVA)	
17.	Total Water Requirement		123 KLD	
18.	Domestic Water Requirement		82 KLD	
19.	Fresh Water Requirement		82 KLD	
20.	Treated Water		41 KLD	
21.	Waste Water Generated		93 KLD	
22.	Solid Waste Generated		644 Kg/day	
23.	Biodegradable Waste		386 Kg/day	
24.	Number of Towers		Not Applicable	
25.	Dwelling Units/ EWS		Not Applicable	
26.	Basement		1 in each 45 no's of plots	
27.	Community Center		Not Applicable	
28.	Stories		Basement+Stilt+4 Floor's	
29.	Total Cost of the project:	i) Land Cost ii) Construction	271 Crores	
30.	EMP Budget		<b>During Construction Phase</b> Capital Cost- 65 Lakhs Recurring Cost- 2 Lakhs <b>During Operational Phase</b> Capital Cost- 238 Lakhs Recurring cost- 20 Lakhs	
31.	Incremental Load in respect of:		i) PM 2.5	0.0026 µg/m <sup>3</sup>
			ii) PM 10	0.0065 µg/m <sup>3</sup>
			iii) SO <sub>2</sub>	0.016 µg/m <sup>3</sup>
			iv) NO <sub>2</sub>	0.0097 µg/m <sup>3</sup>
			v) CO	0.0000007 mg/m <sup>3</sup>
32.	Construction Phase:	i) Power Back-up	Temporary electrical connection of 19 KW & 01 DG of 200 KVA	
		ii) Water Requirement & Source	Fresh water – 10 KLD for drinking & sanitation.	

S. H. J.

		Treated wastewater 30 KLD for construction  Source: Fresh water – HSVP Construction Water – treated wastewater from common STP of DLF Alameda
	iii) STP (Modular)	1

**Table 2: EMP BUDGET**

During Construction Phase			During Operation Phase		
Description	Capital Cost (In Lakhs)	Recurring Cost (In Lakhs/Annum)	Description	Capital Cost (in Lakhs)	Recurring Cost (In Lakhs /Annum)
Topsoil Conservation	5.66	0.25	Landscaping	30	6
Soil Erosion Control/Slope Stabilization	0.5	0.5	Use of Solar	36	1
Sanitation and Wastewater Management	11.02	1.2	Rainwater Harvesting system	6.59	0.5
PPE for workers	15	0	Water Conservation (Dual Plumbing within plots, Low flow Fixtures, etc.)	135	6.75
Medical /First Aid /Health Check-up	12.5	0	Solid Waste Management (Collection/Storage)	10	3.6
Dust Mitigation Measures	15	0	Organic Waste Treatment Facility	5	1.8
Waste Management	5	0	Energy Efficient Appliances/Transformer/Equipment/Lights, etc.	15	0.5
	64.68	1.95		237.59	20.15
<b>Total</b>	<b>65 Lakhs</b>	<b>2 Lakhs</b>	<b>Total</b>	<b>238 Lakhs</b>	<b>20Lakhs</b>

*S. H. A.*

4. The State Expert Appraisal Committee, Haryana after due consideration of the relevant documents submitted by the project proponent and additional clarification furnished in response to its observations, have recommended the grant of environmental clearance for the project mentioned above, subject to compliance with the stipulated conditions. Accordingly, the State Environment Impact Assessment Authority in its **129<sup>th</sup> meeting held on 08<sup>th</sup> – 14<sup>th</sup> October, 2021** decided to agree with the recommendations of SEAC to accord necessary **Environmental Clearance** for the project under **Category 8(a)** of EIA Notification 2006 subject to the **strict compliance with the following stipulations depicted below:-**

**A. Specific conditions:-**

1. Sewage shall be treated in the modular STP (2.2 MLD) based on SBR Technology to achieve standards ordered by NGT. The Treated effluent from STP shall be recycled /reused for flushing. DG cooling and Gardening
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.
3. The PP shall ensure that total 2% of the cost of project shall be spent on EMP Budget. However, the amount and component shown in EMP table above shall also be included for the purpose of 2% amount. 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.
4. The PP shall not carry out any construct above and below revenue rasta passing through the project and ensure that permission of the competent authority shall be obtained before carry out any construction above or below the revnuerasta. The PP shall put notice board on the revenue rasta for the passer byes.
5. 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.
6. 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.
7. 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.
8. Traffic management plan as submitted shall be implemented in letter and spirit. Apart, 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 marinated and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habilitation being carried out or purpose to be carried out by the project or other agencies in this 05kms radius of the site in different scenarios of space and time
9. 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

*S. K. J.*

- 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 **61,679.32 m<sup>2</sup>(26.16%)** shall be provided for Green Area development for whole project.
10. 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.
  11. 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.
  12. The Approval of the Competent Authority shall be obtained for structural safety of building code due to earthquakes, adequacy of fire fighting equipments etc. as per National Building Code including protection measures from lightening etc.
  13. The PP shall obtain the Fire NOC from the Competent Authority before taking the occupation of the building.
  14. 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
  15. The PP shall not give occupation or possession before the water supply and sewage connection permitted by the competent authority.
  16. The PP shall not give occupation or possession before the electricity connection permitted by the competent Authority.
  17. The PP shall obtain the permission regarding withdrawal of ground water from HWRA/CGWA before the start of the project, if required and also obtained the CTO from HSPCB after the approval from HWRA/CGWA.
  18. The PP shall carry out the quarterly awareness programs for the stakeholders of the project.
  19. 45 Rain water harvesting recharge pits shall be provided for ground water recharging as per the CGWB norms in individual plots.
  20. 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.
  21. The PP shall take all preventive measures including water sprinkles to control dust during construction and operational phase.
  22. Any change in stipulations of EC will lead to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance.
  23. Adequate studies have been carried out to ascertain that there would not be any obstruction or impediment in general traffic in vicinity of the project due to the said upcoming of the project
  24. The no. of in-bound & out-bound vehicles (27 PCU/Hr.) and the running hours per day (24) of DG sets considered while undertaking the studies for evaluating the "Incremental Pollution Load" and those are true to best of our knowledge.
  25. The proposed/installed DG sets & fuel to be used would be as per NCAP/GRAP
  26. No untreated water would be released inside or outside the project or anywhere, waste water would be treated to tertiary level & would be used with the installation of "Dual plumbing".
  27. before coming to operation, Project proponent will ensure that all the permissions & connections pertaining to Electricity/water & Sewage discharge are in place

**B. Statutory 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

*S. H. J.*

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.

- [2] The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of fire fighting equipment etc as per National Building Code including protection measures from lightening etc.
- [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.
- [4] The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- [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.
- [6] The project proponent shall obtain the necessary permission for drawl of ground water /surface water required for the project from the competent authority.
- [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.
- [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.
- [9] The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, the Plastics Waste (Management) Rules, 2016 and Batteries waste (Management Handling Rules 2001 as amended in 2020) shall be followed.
- [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 Air Quality Monitoring and Preservation**

- 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.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- 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.
- 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
- 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.
- vi. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. 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

3. 

construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.

- x. The diesel generator sets to be used during construction phase shall be ultra lowsulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. 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.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

## **II Water Quality Monitoring and Preservation**

- 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.
- ii. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- 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.
- 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 along with six monthly Monitoring reports.
- 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.
- 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.
- 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.
- 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.
- 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 be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- 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 Development Model Building Byelaws, 2016. Rain Water Harvesting pits 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.
- xiii. All recharge should be limited to shallow aquifer.



- xiv. No ground water shall be used during construction phase of the project.
- xv. Any ground water 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.
- 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 along with six monthly Monitoring reports.
- 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 drain.
- xviii. No sewage or untreated effluent water would be discharged through storm water drains.
- 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.
- xx. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- 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.

### **III Noise Monitoring and Prevention**

- i. Ambient noise levels shall conform to residential area/commercial area 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 / SPCB.
- ii. 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 as a part of six-monthly compliance report.
- iii. 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.

### **IV Energy Conservation Measures**

- 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 in no case should be less than 25% as prescribed.
- ii. Outdoor and common area lighting shall be LED.
- 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.
- iv. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- v. Solar, wind or other Renewable Energy shall be installed to meet electricity generation

5.10x

equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.

- vi. 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.
- vii. The PP will submit report indicating compliance of each parameter of ECBC requirement and submit quantification saving report for each component.

#### **V Waste Management**

- i. 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.
- ii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring 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.
- iii. 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.
- iv. 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.
- v. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- vi. Any hazardous waste generated during construction phase, shall be disposed of as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii. 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.
- viii. 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 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.
- 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.

#### **VI Green Cover**

- i. 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).
- ii. 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.
- iii. 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

5. M

cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.

- iv. 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.

## **VII Transport**

- i. A comprehensive mobility plan, as per MoUD best practices 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 points.
  - d. Parking norms as per local regulation.
- ii. 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 operated only during non-peak hours.
- iii. 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 of components of the plan which involve the participation of these departments.

## **VIII Human Health Issues**

- i. 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.
- ii. For indoor air quality the ventilation provisions as per National Building Code of India.
- iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- iv. 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.
- v. Occupational health surveillance of the workers shall be done on a regular basis.
- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

## **IX Corporate Environment Responsibility**

- i. The project proponent shall comply with the provisions of CER, as applicable.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should 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/ wildlife norms/ conditions and/ or shareholders/ stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

- iii. 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.
- iv. 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 along with the Six Monthly Compliance Report.

**X Miscellaneous**

- i. 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.
- ii. 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.
- iii. 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.
- iv. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- v. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vi. 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.
- vii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- viii. 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.
- ix. 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.
- x. Any change in planning of the approved plan will leads to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance
- xi. 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.
- xii. 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.
- xiii. The Ministry/SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiv. The Ministry/SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xv. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions.

3. NA

- The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xvi. 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 Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvii. The validity of this environment clearance letter is valid up to 7 years from the date of issuance of EC letter. The environment clearance conditions applicable till life space project will continue to apply. The resident welfare association/Housing co-operative societies shall responsible to comply conditions laid down in EC. 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.
- xviii. 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. 7 years.
- xix. 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.

*S. Narayanan*  
*12/11/21*  
**(S. Narayanan, IFS)**  
**Member Secretary,**  
**State Level Environment Impact**  
**Assessment Authority, Haryana, Panchkula.**

**A copy of the above is forwarded to the following:**

1. Director (IA Division), MoEF& CC, GoI, IndraParyavaranBhavan, Zorbagh Road-New Delhi-110003.
2. Chairman, State Environment Impact Assessment Authority, Bay No. 55-58, PrayatanBhawan, Sector-2, Panchkula, Haryana
3. Chairman, Haryana State Pollution Control Board, C-11, Sector-6, Panchkula.
4. Director, Environment & Climate Change Department, Haryana, SCO 1-3, Sector-17 D, Chandigarh-160017
5. Director General, Town & Country Planning Haryana, Plot No. 3, Sector - 18A, Madhya Marg, Chandigarh- 160018.
6. Regional Office, Ministry of Environment, Forests & Climate Change, Govt. of India, Bay's No. 24-25, Sector 31-A, Dakshin Marg, Chandigarh-160018.
7. Concerned File/ Office Copy

*S. Narayanan*  
*12/11/21*  
**(S. Narayanan, IFS)**  
**Member Secretary,**  
**State Level Environment Impact**  
**Assessment Authority, Haryana, Panchkula.**

*S. Narayanan*



## HARYANA STATE POLLUTION CONTROL BOARD



**Haryana State Pollution Control Board, 3rd Floor,  
HSIIDC Office Complex, IMT Manesar, Gurugram  
Email:- hspcbrogrs@gmail.com**

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

*Telephone No.: 0172-2577870-73*

No. HSPCB/Consent/ : 329962321GUSOCTE18159656

Dated:06/12/2021

To.

**M/s : Independent Floors 45 plots at DLF Alameda 113.837 acres village Behrampur and Begampur Khatola Sector 73 Gurugram by DLF Home Developers Ltd**

**DLF Alameda Village Behrampur and Begampur Khatola Sector 73 Gurugram**

**Haryana**

**GURGAON**

**122001**

**Sub. : Grant of consent to Establish to M/s Independent Floors 45 plots at DLF Alameda 113.837 acres village Behrampur and Begampur Khatola Sector 73 Gurugram by DLF Home Developers Ltd**

Please refer to your application no. 18159656 received on dated 2021-11-22 in regional office Gurgaon South.

With reference to your above application for consent to establish, M/s Independent Floors 45 plots at DLF Alameda 113.837 acres village Behrampur and Begampur Khatola Sector 73 Gurugram by DLF Home Developers Ltd is hereby granted consent as per following specification/Terms and conditions.

<b>Consent Under</b>	AIR/WATER
<b>Period of consent</b>	06/12/2021 - 05/12/2026
<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>	18903.369
<b>Total Land Area (Sq. meter)</b>	20521.43
<b>Total Builtup Area (Sq. meter)</b>	91559.57
<b>Quantity of effluent</b>	
1. Trade	0.0 KL/Day
2. Domestic	93.0 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	30 mg/l
2. COD	250 mg/l
3. TSS	100 mg/l
4. Oil&Grease	10 mg/l
5. pH	5.5-9.0
<b>Permissible Trade Effluent Parameters</b>	
1. NA	mg/l
Number of stacks	2
<b>Height of stack</b>	
1. Attached to DG Set of 1010 KVA	30 Meter
2. Attached to DG Set of 1010 KVA	30 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	0.5 KL/day

**Regional Officer, Gurgaon South**  
Haryana State Pollution Control Board.

### Terms and conditions

1. The industry has declared that the quantity of effluent shall be 93 KL/Day i.e 0KL/Day for Trade Effluent, 0 KL/Day for Cooling, 93 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. Unit will take Consent to Operate before starting the occupation/ operation of the project. 2. The unit will install the project only on the plot for which unit has applied for NOC. 3. The unit will install adequate acoustic enclosures/ chambers on their D.G. sets with proper stack height as per prescribed norms to meet the prescribed standards under EP Rules, 1986.**

*Regional Officer, Gurgaon South  
Haryana State Pollution Control Board.*



Annexure-V

From: Deputy Conservator of Forests  
Gurgaon, Haryana.

To, M/s DLF New Gurgaon Homes Developers Pvt. Ltd.,  
DLF Shopping Mall, 3<sup>rd</sup> floor, Arjun Marg,  
DLF City, Phase 1, Gurgaon.

No - 3595-R

Date:- 4-3-11

Sub.: Clarification regarding Applicability of forest laws on land of M/s DLF New Gurgaon Homes Developers Pvt. Ltd., DLF Shopping Mall, 3<sup>rd</sup> floor, Arjun Marg, DLF City, Phase 1, Gurgaon.

Applicant M/s DLF New Gurgaon Homes Developers Pvt. Ltd., DLF Shopping Mall, 3<sup>rd</sup> floor, Arjun Marg, DLF City, Phase 1, Gurgaon vide letter no Nil dated 01.10.2010 made a request in connection with land measuring **100.506 Acres** having Rect. No 21 Killa No 15min, 16min, 25/1, 25/2 Rect. No. 22 Killa No. 10, 11/1, 11/2, 20, 21 Rect. No 23 Killa No 1/1, 1/2, 2, 12/3, 19/1/2, 22/2/1/1, 22/2/2, 23/2 . Rect. No 24 Killa No 4/2/2, 5/1/2, 5/2, 7min, 14/1, 16/2, 17, 18/1, 18/2min, 23/1, 23/2 Rect. No 35 Killa No 3, 4, 5, 6, 7, 8, 9min, 12, 13, 14, 15, 16, 17, 18, 19, 21min, 22, 23, 24, 25 Rect. No 36 Killa No 2/2/1, 2/2/2, 3/1, 3/2, 7, 8/1, 8/2, 9/1, 9/2, 12, 13, 14, 18/2/1, 18/2/2, 19, 20, 21, 22, 23/1 Rect. No 38 Killa No. 1, 2, 3, 4/1, 4/2, 7, 8, 9/1, 9/2, 10, 11, 13/1, 14min, 15min, 17min, 20/2, 23/2/2, 24min Rect. No 39 Killa No. 1/1, 1/2, 2, 3/1, 3/2, 4, 5, 6, 7, 8/1, 8/2, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19/1, 19/2, 21, 22, 23, 24/1, 24/2, 25 Rect. No 40 Killa No 15 Rect. No. 49 Killa No. 4, 5, 6, 7, 14min, 15min Rect. No 50 Killa No. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11min, 12/1min, 12/2min, 13min, 14min, 15min Rect. No. 51 Killa No. 3/2, 4min. Land located at Village **Begumpur Khatola** District **Gurgaon**. Applicant made a proposal to use this land for **Alameda Plotted Colony Purpose**. In continuation of report submitted by RFO, **Gurgaon** vide Letter No **1106-G** dated **21.01.2011** and approval from C.F. South Circle, Gurgaon vide letter No. **6858** dated **24.02.2011**, it is made clear that: -

- Above said land is not part of notified / closed area under IFA 1927/FCA1980/Specific section 4 & 5 of PLPA 1900/ WLPA1972/ or any other forest land
- It is clarified that by the Notification No S.O.121/PA.2/1900/S.4/97 dated 28<sup>th</sup> November, 1997, all revenue estate of Gurgaon District is notified u/s 4 of PLPA 1900 and S.O.113/PA.2/1900/S.3/97 dated 17<sup>th</sup> November, 1997 u/s 3 of PLPA. The area is however not recorded as forest in the Government record but felling of trees is strictly prohibited without the permission of Divisional Forest Officer, Gurgaon.
- 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.
- As per record with the Forest Department, Gurgaon the area does not fall under Aravalli Project Plantation done by the Forest Department.
- All other statutory clearance mandated under the Environment Protection Act 1986 or any other Act/order shall be obtained as applicable by the project proponents from the concerned authorities.
- The project proponent will not violate any Judicial Orders/ Pronouncement issued by the Hon'ble Supreme Court/High Courts

Date 06/03/11

Place Gurgaon.

  
Dy. Conservator of Forests,  
Gurgaon.

Endst.No ~~3596-R~~

Dated 4-3-

A copy is forwarded to Conservator of Forests, South Circle, Gurgaon w. r. t his letter no. 6858 dated 24.02.2011 for information. The report was submitted to your office in the prescribed Performa as per standing order and clarification is issued as per your above mentioned letter.

  
Dy. Conservator of Forests,  
Gurgaon.

Annexure-V

Alamkaha - 73

From: Divisional Forest Officer  
Gurgaon, Haryana.

To, **M/s DLF Homes Developers Ltd.**  
3<sup>rd</sup> Floor, DLF Shopping Mall,  
Arjun Marg, DLF City Phase-1  
Gurgaon-122002, Haryana.

No: - 1668-P

Date:- 27-5-2014

Sub: Clarification regarding Applicability of forest laws on Non Forest land Applied by **M/s DLF Homes Developers Ltd.** land located at Village **Begumpur Khatola & Behrampur**, District-Gurgaon.

Applicant **M/s DLF Homes Developers Ltd.**, 3<sup>rd</sup> Floor, DLF Shopping Mall, Arjun Marg, DLF City Phase-1, Gurgaon-122002, Haryana vide letter no. Nil dated 01.04.2014 made a request in connection with land 4.9 Acres having Rect.No.38 Killa No.21, 22 Rect.No.50 Killa No.1 Rect.No.51 Killa No.1, 2/1, 2/2 land located at village **Begumpur Khatola** and land measuring 6.006 Acres having Rect.No.18 Killa No.10/2, 11 Rect.No.19 Killa No.6/3, 13/2, 13/3, 14/2, 15, 16, 17/1, 17/2/2, 18, 24/1 Land located at Village **Behrampur (Total land measuring 10.906 Acres)** District Gurgaon. Applicant made a proposal to use this land for **Plotted Colony Purpose**. In continuation of report submitted by RFO, Gurgaon vide Letter No.97-G dated 14.05.2014 It is made clear that:

- 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 & 5 of Punjab Land Preservation Act, 1900.
- It is clarified that by the Notification No. S.O.8/P.A 2/1900/S.4/2013 dated 4th January, 2013, whole Revenue Estate of Gurgaon is notified u/s 4 of PLPA 1900 and S.O.81/PA.2/1900/S.3/2012 dated 19th December, 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.
- 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 DLF Homes Developers Ltd.** whose land is located at village **Begumpur Khatola & Behrampur** District Gurgaon must obtain clearance as applicable under Forest Conservation Act 1980.
- 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.
- 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.
- The project proponent will not violate any Judicial Order/ direction issued by the Hon'ble Supreme Court/ High Courts.
- 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, 14.5.2008 etc. pertaining to Aravalli region in Haryana, which should be complied with.
- 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.

Date:  
Place. Gurgaon.

  
Divisional Forest Officer  
Gurgaon

Endst.No  
A copy is forwarded to:-

Dated:

- Conservator of Forests, South Circle, Gurgaon for Kind information.
- D.G, T.C.P, Ayojana Bhawan, Sec-18, Madhya Marg Chandigarh for kind information.
- Dy.Commissioner, Gurgaon for information & necessary action.
- Guard File.

  
Divisional Forest Officer  
Gurgaon.



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



गैर-वन भूमि पर वन कानून उपयुक्तता के विषय में स्पष्टीकरण पत्र।  
Clarification letter regarding applicability of forest laws on non forest land.

नाम Name	वन्दना अरोरा Vandana Arora
संगठन का नाम Organisation Name	Dif Home Developers Ltd
वर्तमान पता Current Address	2nd Floor, Gateway Towers, Dif City Phase Iii
भूमि स्थान Land Location	Gurgaon, Gurgaon, Begampur Khatola
भूमि मापन Land Measurements	2.425 (Acre)
आवत नम्बर / मुरबा नम्बर Rectangle No./ Murba No.	24.

Reference No. (SRN):- R3Y-PQN-X394

जारी करने की तिथि / Date of Issuance: 30-07-2021

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/R3YPQNX394>



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



नैर-वन भूमि पर वन कानून उपयुक्तता के विषय में स्पष्टीकरण पत्र।

Clarification letter regarding applicability of forest laws on non forest land.

किला नम्बर Killa Number	Applicable Rectangle & Killa Nos : Rect No : 24// Killa No 16/1 (3-8), 24 (8-0), 25 (8-0)
प्रयोजन Purpose	Building Construction



जारी करने की तिथि / Date of Issuance: 30-07-2021

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/R3YPQNX394>



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



हे.वन भूमि पर वन कानून उपयुक्तता के विषय में स्पष्टीकरण पत्र।

Clarification letter regarding applicability of forest laws on non forest land.

Applicant Vandana Arora located at village /city Gurgaon 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 Dlf Home Developers Ltd whose land is located at village/city, Gurgaon 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 The Conditions  
Mentioned Above.



Date: 30-07-2021

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/R3YFQNX394>



## Test Report

Page No. 1/2

Sample Number : VEL/AP/01

Name &amp; Address of the Party : M/S DLF Homes Developers Ltd. &amp; Other.

Independent Floors at DLF Alameda At  
Village-Behrampur & Begampur Khatola, Sec-73,  
Gurugram, Haryana.

Report No. : VEL/AP/2503290048

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 03/04/2025

Period of Analysis : 29/03/2025-03/04/2025

Receipt Date : 29/03/2025

Name of Sample : AMBIENT AIR

Sample Group : Atmospheric Pollution

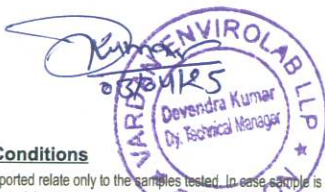
### General Information

Sampling Location : Near Main Gate  
Sample Collected By : VEL Representative (Mr. Himanshu)  
Sampling Equipment used : RDS/FPS  
Instrument Code : VEL/INS/ENV/RDS/11 & FPS/11  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 27/03/2025 To 28/03/2025  
Time of Monitoring : 03:00 PM To 03:00 PM  
Ambient Temperature (°C) : Min.20°C, Max.34°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	78.26	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM - 2.5)	IS:5182 (P- 24) :2019	32.64	µg/m <sup>3</sup>	60
3	Nitrogen Dioxides (as NO <sub>2</sub> )	IS 5182 (P- 6) :2006 RA:2022	24.21	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO <sub>2</sub> )	IS 5182 (P- 2 ) : RA:2023	18.65	µg/m <sup>3</sup>	80
5	#Carbon Monoxide (as CO)	IS 5182 (P-10), NDIR Method	0.76	mg/m <sup>3</sup>	4.0
6	Benzene (as C <sub>6</sub> H <sub>6</sub> )	IS:5152 (Part-11)	BLQ(LOQ-0.5)	µg/m <sup>3</sup>	5.0
7	Ammonia (as NH <sub>3</sub> )	VEL/EN/STP/155, Issue No.-01, Issue Date 01/11/2023	26.55	µg/m <sup>3</sup>	400.0
8	#Ozone (as O <sub>3</sub> )	IS:5182 (P-9)	20.38	µg/m <sup>3</sup>	180.0
9	Lead (as Pb)	IS:5182 (P-22)	BLQ(LOQ-0.1)	µg/m <sup>3</sup>	1.0

### Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any form of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.


[www.vardan.co.in](http://www.vardan.co.in)



## Test Report

Page No. 2/2

Sample Number : VEL/AP/01

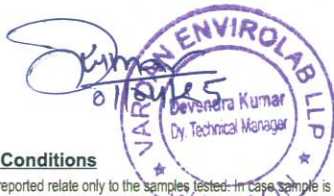
Report No. : VEL/AP/2503290048

S.No.	Parameters	Test Method	Results	Units	Limit as per NAAQS
10	Arsenic (as As)	VEL/EN/STP/110, Issue No.1, Issue date 01/11/2023	BLQ(LOQ-0.1)	ng/m <sup>3</sup>	6.0
11	Nickel (as Ni)	IS:5182 (P-26)	BLQ(LOQ-5.0)	ng/m <sup>3</sup>	20.0
12	Benzo (alpha) Pyrene	VEL/EN/STP/157 Issue No.1, Issue date 01/11/2023	BLQ(LOQ-0.5)	ng/m <sup>3</sup>	1.0

Note - # indicates 1 hour monitoring of CO.

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

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



### Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.

[www.vardan.co.in](http://www.vardan.co.in)



## Test Report

Page No. 1/2

**Sample Number :** VEL/AP/02  
**Name & Address of the Party :** M/S DLF Homes Developers Ltd. & Other.  
Independent Floors at DLF Alameda At  
Village-Behrampur & Begampur Khatola, Sec-73,  
Gurugram, Haryana.

**Report No. :** VEL/AP/2503290049  
**Format No :** 7.8 F-03  
**Party Reference No :** By Mail  
**Reporting Date :** 03/04/2025  
**Period of Analysis :** 29/03/2025-03/04/2025  
**Receipt Date :** 29/03/2025

**Name of Sample :** AMBIENT AIR  
**Sample Group :** Atmospheric Pollution

### General Information

**Sampling Location :** C-Gate (C-Block)  
**Sample Collected By :** VEL Representative (Mr. Himanshu)  
**Sampling Equipment used :** RDS/FPS  
**Instrument Code :** VEL/INS/ENV/RDS/12 & FPS/12  
**Instrument Calibration Status :** Calibrated  
**Meteorological condition during monitoring :** Clear Sky  
**Date of Monitoring :** 27/03/2025 To 28/03/2025  
**Time of Monitoring :** 03:10 PM To 03:10 PM  
**Ambient Temperature (°C) :** Min.20°C, Max.34°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	91.41	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM - 2.5)	IS:5182 (P- 24) :2019	41.50	µg/m <sup>3</sup>	60
3	Nitrogen Dioxides (as NO2)	IS 5182 (P- 6) :2006 RA:2022	25.00	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2 ) : RA:2023	21.06	µg/m <sup>3</sup>	80
5	#Carbon Monoxide (as CO)	IS 5182 (P-10), NDIR Method	0.86	mg/m <sup>3</sup>	4.0
6	Benzene (as C6H6)	IS:5152 (Part-11)	BLQ(LOQ-0.5)	µg/m <sup>3</sup>	5.0
7	Ammonia (as NH3)	VEL/EN/STP/155, Issue No.-01, Issue Date 01/11/2023	25.20	µg/m <sup>3</sup>	400.0
8	#Ozone (as O3)	IS:5182 (P-9)	22.17	µg/m <sup>3</sup>	180.0
9	Lead (as Pb)	IS:5182 (P-22)	BLQ(LOQ-0.1)	µg/m <sup>3</sup>	1.0



### Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.

[www.vardan.co.in](http://www.vardan.co.in)



## Test Report

Page No. 2/2

Sample Number : VEL/AP/02

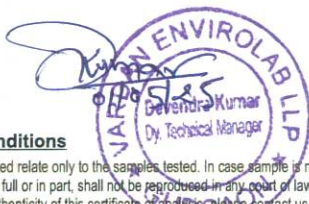
Report No. : VEL/AP/2503290049

S.No.	Parameters	Test Method	Results	Units	Limit as per NAAQS
10	Arsenic (as As)	VEL/EN/STP/110, Issue No.1, Issue date 01/11/2023	BLQ(LOQ-0.1)	ng/m <sup>3</sup>	6.0
11	Nickel (as Ni)	IS:5182 (P-26)	BLQ(LOQ-5.0)	ng/m <sup>3</sup>	20.0
12	Benzo (alpha) Pyrene	VEL/EN/STP/157 Issue No.1, Issue date 01/11/2023	BLQ(LOQ-0.5)	ng/m <sup>3</sup>	1.0

Note - # indicates 1 hour monitoring of CO & Ozone

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

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



### Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.

[www.vardan.co.in](http://www.vardan.co.in)



## Test Report

Page No. 1/2

Sample Number : VEL/AP/03  
Name & Address of the Party : M/S DLF Homes Developers Ltd. & Other.  
Independent Floors at DLF Alameda At  
Village-Behrampur & Begampur Khatola, Sec-73,  
Gurugram, Haryana.

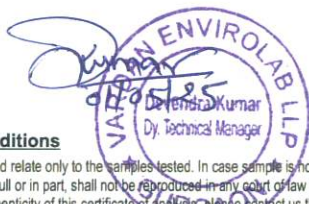
Report No. : VEL/AP/2503290050  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 03/04/2025  
Period of Analysis : 29/03/2025-03/04/2025  
Receipt Date : 29/03/2025

Name of Sample : AMBIENT AIR  
Sample Group : Atmospheric Pollution

### General Information

Sampling Location : D-Gate Park  
Sample Collected By : VEL Representative (Mr. Himanshu)  
Sampling Equipment used : RDS/FPS  
Instrument Code : VEL/INS/ENV/RDS/13 & FPS/13  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 27/03/2025 To 28/03/2025  
Time of Monitoring : 03:40 PM To 03:40 PM  
Ambient Temperature (°C) : Min.20°C, Max.34°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	80.33	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM - 2.5)	IS:5182 (P- 24) :2019	32.02	µg/m <sup>3</sup>	60
3	Nitrogen Dioxides (as NO <sub>2</sub> )	IS 5182 (P- 6) :2006 RA:2022	28.36	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO <sub>2</sub> )	IS 5182 (P- 2) : RA:2023	20.09	µg/m <sup>3</sup>	80
5	#Carbon Monoxide (as CO)	IS 5182 (P-10), NDIR Method	0.79	mg/m <sup>3</sup>	4.0
6	Benzene (as C <sub>6</sub> H <sub>6</sub> )	IS:5152 (Part-11)	BLQ(LOQ-0.5)	µg/m <sup>3</sup>	5.0
7	Ammonia (as NH <sub>3</sub> )	VEL/EN/STP/155, Issue No.-01, Issue Date 01/11/2023	28.20	µg/m <sup>3</sup>	400.0
8	#Ozone (as O <sub>3</sub> )	IS:5182 (P-9)	23.45	µg/m <sup>3</sup>	180.0
9	Lead (as Pb)	IS:5182 (P-22)	BLQ(LOQ-0.1)	µg/m <sup>3</sup>	1.0



### Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



## Test Report

Page No. 2/2

Sample Number : VEL/AP/03

Report No. : VEL/AP/2503290050

S.No.	Parameters	Test Method	Results	Units	Limit as per NAAQS
10	Arsenic (as As)	VEL/EN/STP/110, Issue No.1, Issue date 01/11/2023	BLQ(LOQ-0.1)	ng/m <sup>3</sup>	6.0
11	Nickel (as Ni)	IS:5182 (P-26)	BLQ(LOQ-5.0)	ng/m <sup>3</sup>	20.0
12	Benzo (alpha) Pyrene	VEL/EN/STP/157 Issue No.1, Issue date 01/11/2023	BLQ(LOQ-0.5)	ng/m <sup>3</sup>	1.0

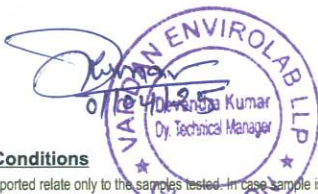
Note - # indicates 1 hour monitoring of CO & Ozone

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

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

### Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





## Test Report

Page No. 1/1

Sample Number : VEL/AP/04  
Name & Address of the Party : M/S DLF Homes Developers Ltd. & Other.  
Independent Floors at DLF Alameda At  
Village-Behrampur & Begampur Khatola, Sec-73,  
Gurugram, Haryana.

Report No. : VEL/AP/2503290051  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 03/04/2025  
Period of Analysis : 29/03/2025-03/04/2025  
Receipt Date : 29/03/2025

Name of Sample : AMBIENT NOISE  
Sample Group : Atmospheric Pollution

### General Information

Sampling Location : Near Main Gate  
Sample Collected By : VEL Representative (Mr. Himanshu)  
Sampling Equipment used : Sound Level Meter  
Instrument Code : VEL/INS/ENV/SLM/08  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 27/03/2025 To 28/03/2025  
Time of Monitoring : 03:00 PM To 03:00 PM  
Ambient Temperature (°C) : Min.20°C, Max.34°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	52.14	40.01	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.

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

Reviewed By



### Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn, the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.

[www.vardan.co.in](http://www.vardan.co.in)



# Vardan Envirolab LLP

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



## Test Report

Page No. 1/1

Sample Number : VEL/AP/05

Name & Address of the Party : M/S DLF Homes Developers Ltd. & Other.  
Independent Floors at DLF Alameda At  
Village-Behrampur & Begampur Khatola, Sec-73,  
Gurugram, Haryana.

Report No. : VEL/AP/2503290052

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 03/04/2025

Period of Analysis : 29/03/2025-03/04/2025

Receipt Date : 29/03/2025

Name of Sample : AMBIENT NOISE

Sample Group : Atmospheric Pollution

### General Information

Sampling Location : C-Block Gate  
Sample Collected By : VEL Representative (Mr. Himanshu)  
Sampling Equipment used : Sound Level Meter  
Instrument Code : VEL/INS/ENV/SLM/09  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 27/03/2025 To 28/03/2025  
Time of Monitoring : 03:30 PM To 03:30 PM  
Ambient Temperature (°C) : Min.20°C, Max.34°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	50.36	41.22	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.

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

Reviewed By



### Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.

www.vardan.co.in



# Vardan Envirolab LLP

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



## Test Report

Page No. 1/1

Sample Number : VEL/AP/06  
Name & Address of the Party : M/S DLF Homes Developers Ltd. & Other.  
Independent Floors at DLF Alameda At  
Village-Behrampur & Begampur Khatola, Sec-73,  
Gurugram, Haryana.

Report No. : VEL/AP/2503290053  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 03/04/2025  
Period of Analysis : 29/03/2025-03/04/2025  
Receipt Date : 29/03/2025

Name of Sample : AMBIENT NOISE  
Sample Group : Atmospheric Pollution

### General Information

Sampling Location : D-1 Park (Block)  
Sample Collected By : VEL Representative (Mr. Himanshu)  
Sampling Equipment used : Sound Level Meter  
Instrument Code : VEL/INS/ENV/SLM/10  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 27/03/2025 To 28/03/2025  
Time of Monitoring : 03:45 PM To 03:45 PM  
Ambient Temperature (°C) : Min.20°C, Max.34°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	52.66	42.84	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.

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

Reviewed By



### Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn, the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.

www.vardan.co.in



## Test Report

Page No. 1/1

Sample Number : VEL/AP/07  
Name & Address of the Party : M/S DLF Homes Developers Ltd. & Other.  
Independent Floors at DLF Alameda At  
Village-Behrampur & Begampur Khatola, Sec-73,  
Gurugram, Haryana.

Report No. : VEL/AP/2503290054  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 03/04/2025  
Period of Analysis : 29/03/2025-03/04/2025  
Receipt Date : 29/03/2025

Name of Sample : Stack Emission Monitoring  
Sample Group : Atmospheric Pollution

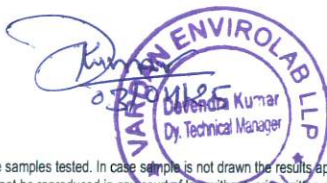
### General Information

Sampling Location : DG Set Area (With RECD)  
Sample Collected By : VEL Representative (Mr. Himanshu)  
Date of Sampling : 27/03/2025  
Sampling duration (Minutes) : 40.0  
Stack attached to : DG Set No.1 (1010 KVA)  
Make of stack : MS  
Type of Fuel Used : HSD  
Diameter of stack(m) : 0.20 Mtr.  
Height of stack(m) : 30.0 Mtr.  
Instrument calibration status : Calibrated  
Meteorological Condition : Clear Sky  
Ambient Temperature - Ta (°C) : 32.0  
Temperature of Stack Gases - Ts (°C) : 189.0  
Velocity of Stack Gases (m/sec.) : 10.19  
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 CAQM
Discipline : Chemical					
1	PM (at 15 % O2 Correction)	IS:11255 (P-1)	22.52	mg/Nm3	50.0
2	NOX (at 15 % O2 Correction)	VEL/EN/STP/146, Issue No.-01, Issue date 01/11/2023	274.26	mg/Nm3	650.0
3	Carbon Monoxide ( as CO ) (at 15 % O2 Correction)	VEL/EN/STP/146, Issue No.-01, Issue date 01/11/2023	68.38	mg/Nm3	100.0
4	NMHC (at 15 % O2 Correction)	VEL/EN/STP/137, Issue No.-01, Issue date 01/11/2023	25.20	mg/Nm3	Not Specified

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

Reviewed By



### Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



www.vardan.co.in



# Vardan Envirolab LLP

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



## Test Report

Page No. 1/1

Sample Number : VEL/AP/08  
Name & Address of the Party : M/S DLF Homes Developers Ltd. & Other.  
Independent Floors at DLF Alameda At  
Village-Behrampur & Begampur Khatola, Sec-73,  
Gurugram, Haryana.

Report No. : VEL/AP/2503290055  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 03/04/2025  
Period of Analysis : 29/03/2025-03/04/2025  
Receipt Date : 29/03/2025

Name of Sample : Stack Emission Monitoring  
Sample Group : Atmospheric Pollution

### General Information

Sampling Location : DG Set Area (With RECD)  
Sample Collected By : VEL Representative (Mr. Himanshu)  
Date of Sampling : 27/03/2025  
Sampling duration (Minutes) : 42.0  
Stack attached to : DG Set No.2 (1010 KVA)  
Make of stack : MS  
Type of Fuel Used : HSD  
Diameter of stack(m) : 0.20 Mtr.  
Height of stack(m) : 30.0 Mtr.  
Instrument calibration status : Calibrated  
Meteorological Condition : Clear Sky  
Ambient Temperature - Ta (°C) : 32.0  
Temperature of Stack Gases - Ts (°C) : 186.0  
Velocity of Stack Gases (m/sec.) : 10.06  
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 CAQM
Discipline : Chemical					
1	PM (at 15 % O2 Correction)	IS:11255 (P-1)	24.24	mg/Nm3	50.0
2	NOX (at 15 % O2 Correction)	VEL/EN/STP/146, Issue No.-01, Issue date 01/11/2023	264.19	mg/Nm3	650.0
3	Carbon Monoxide ( as CO ) (at 15 % O2 Correction)	VEL/EN/STP/146, Issue No.-01, Issue date 01/11/2023	69.00	mg/Nm3	100.0
4	NMHC (at 15 % O2 Correction)	VEL/EN/STP/137, Issue No.-01, Issue date 01/11/2023	24.00	mg/Nm3	Not Specified

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

Reviewed By



### Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without the written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



www.vardan.co.in



# Vardan Envirolab LLP

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



## Test Report

Page No. 1/1

Sample Number : VEL/AP/09  
Name & Address of the Party : M/S DLF Homes Developers Ltd. & Other.  
Independent Floors at DLF Alameda At  
Village-Behrampur & Begampur Khatola, Sec-73,  
Gurugram, Haryana.

Report No. : VEL/AP/2503290056  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 03/04/2025  
Period of Analysis : 29/03/2025-03/04/2025  
Receipt Date : 29/03/2025

Name of Sample : DG Noise  
Sample Group : Atmospheric Pollution

### General Information

Sampling Location : DG Set No.1 (1010 KVA)  
Sample Collected By : VEL Representative (Mr. Himanshu)  
Sampling Equipment used : Sound Level Meter  
Instrument Code : VEL/INS/ENV/SLM/05  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 27/03/2025  
Scope of Monitoring : Regulatory Requirement  
Sampling & Analysis Protocol : IS 4758  
Sampling duration (Minutes) : 42.0  
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	98.6	72.8	25.8
2	CPCB Limit in Leq dB (A)	--	--	75.0 (Max.)	25.0 (Min.)

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

Reviewed By



### Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.

www.vardan.co.in



## Test Report

Page No. 1/1

Sample Number : VEL/AP/10  
Name & Address of the Party : M/S DLF Homes Developers Ltd. & Other.  
Independent Floors at DLF Alameda At  
Village-Behrampur & Begampur Khatola, Sec-73,  
Gurugram, Haryana.

Report No. : VEL/AP/2503290057  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 03/04/2025  
Period of Analysis : 29/03/2025-03/04/2025  
Receipt Date : 29/03/2025

Name of Sample : DG Noise  
Sample Group : Atmospheric Pollution

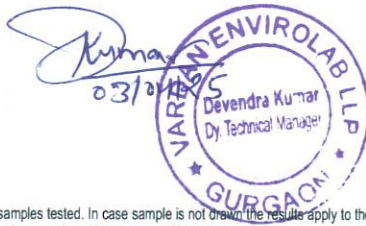
### General Information

Sampling Location : DG Set No.2 (1010 KVA)  
Sample Collected By : VEL Representative (Mr. Himanshu)  
Sampling Equipment used : Sound Level Meter  
Instrument Code : VEL/INS/ENV/SLM/05  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 27/03/2025  
Scope of Monitoring : Regulatory Requirement  
Sampling & Analysis Protocol : IS 4758  
Sampling duration (Minutes) : 42.0  
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	99.1	72.9	26.2
2	CPCB Limit in Leq dB (A)	--	--	75.0 (Max.)	25.0 (Min.)

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

Reviewed By



### Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.

[www.vardan.co.in](http://www.vardan.co.in)



## Test Report

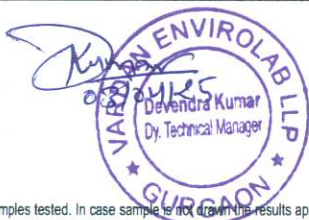
Page No. 1/2

**Sample Number :** VEL/PE/01  
**Name & Address of the Party :** M/S DLF Homes Developers Ltd. & Other.  
Independent Floors at DLF Alameda At  
Village-Behrampur & Begampur Khatola, Sec-73,  
Gurugram, Haryana.  
**Name of Sample :** SOIL  
**Sample Group :** Pollution & Environment  
**Location :** Central Park  
**Sample Collected By :** VEL Representative (Mr. Himanshu)  
**Environmental Condition :** 25±2°C  
**Parameter Required :** As per work order  
**Sampling and Analysis Protocol :** IS:2720 & STP

**Report No. :** VEL/PE/2503290014  
**Format No :** 7.8 F-03  
**Party Reference No :** By Mail  
**Reporting Date :** 03/04/2025  
**Period of Analysis :** 29/03/2025-03/04/2025  
**Receipt Date :** 29/03/2025  
**Sampling Date :** 27/03/2025  
**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)	7.51	--
2	Electrical Conductivity	IS :14767	0.358	mS/cm
3	Colour	VEL/EN/STP/67, Issue No.- 01, Issue date 01/11/2023	Yellowish Brown	--
4	Water holding capacity	VEL/EN/STP/86, Issue No.- 01, Issue date 01/11/2023	23.61	%
5	Bulk density	VEL/EN/STP/59, Issue No.- 01, Issue date 01/11/2023	1.34	gm/cc
6	Chloride (as Cl)	VEL/EN/STP/69, Issue No.- 01, Issue date 01/11/2023	128.61	mg/kg
7	Calcium (as Ca)	VEL/EN/STP/72, Issue No.- 01, Issue date 01/11/2023	168.32	mg/kg
8	Sodium (as Na)	VEL/EN/STP/62, Issue No.- 01, Issue date 01/11/2023	35.20	mg/kg
9	Potassium (as K)	VEL/EN/STP/61, Issue No.- 01, Issue date 01/11/2023	82.69	mg/kg
10	Organic Matter	IS 2720 (P-22)	0.38	%
11	Magnesium (as Mg)	VEL/EN/STP/72, Issue No.- 01, Issue date 01/11/2023	12.24	mg/kg
12	Available Nitrogen (as N)	IS:14684	261.54	kg./hec.

Reviewed By



### Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not given the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.

[www.vardan.co.in](http://www.vardan.co.in)



## Test Report

Page No. 2/2

Sample Number : VEL/PE/01

Report No. : VEL/PE/2503290014

S.No.	Parameters	Test Method	Results	Units
13	Available Phosphours	VEL/EN/STP/73, Issue No.- 01, Issue date 01/11/2023	22.81	kg. /hec.
14	Total Zinc (as Zn)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	14.02	mg/kg
15	Total Manganese (as Mn)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	32.24	mg/kg
16	Total Chromium (as Cr)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	5.31	mg/kg
17	Total Lead (as Pb)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	1.28	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	4.20	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\*\*\*

Reviewed By



### Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not given the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.

[www.vardan.co.in](http://www.vardan.co.in)



# 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

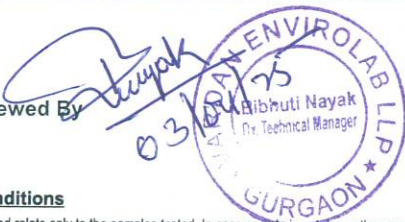
Sample Number : VEL/W/01  
Name & Address of the Party : M/S DLF Homes Developers Ltd. & Other.  
Independent Floors at DLF Alameda At  
Village-Behrapur & Begampur Khatola, Sec-73,  
Gurugram, Haryana.

Report No. : VEL/W/2503290009  
Format No : 7.8 F 03  
Party Reference No : By Mail  
Reporting Date : 03/04/2025  
Period of Analysis : 29/03/2025-03/04/2025  
Receipt Date : 29/03/2025  
Sampling Date : 27/03/2025  
Sampling Quantity : 5.0 Ltr. + 250 ml  
Sampling Type : Grab

Name of Sample : Drinking Water  
Sample Group : Water/Residues and contaminants in Water  
Location : Pump House  
Sample Collected by : VEL Representative (Mr. Himanshu)  
Environmental Condition : 25±2°C  
Sampling and Analysis Protocol : APHA & IS

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)	7.59	--	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)	162.00	mg/L	500	2000
7	Calcium (as Ca),max	IS:3025:Part-40: 1991 (EDTA Titrimetric Method)	23.36	mg/L	75	200
8	Alkalinity (as CaCO3)	IS:3025:Part 23:2023 (Indicator Method)	94.56	mg/L	200	600
9	Chloride (as Cl),max	IS:3025:Part-32:1988 (Argentometric Method)	22.02	mg/L	250	1000
10	Magnesium (as Mg),max	IS:3025:P-46:2023 (Volumetric method using EDTA)	7.19	mg/L	30	100
11	Total Hardness (as CaCo3),max	IS:3025:P-21:2009 (EDTA Method)	88.00	mg/L	200	600
12	Sulphate (as SO4),max	IS:3025: (Part 24/Sec-1):2022(Turbidity Method)	12.24	mg/L	200	400

Reviewed By



### Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.

www.vardan.co.in



## Test Report

Sample Number : VEL/W/01

Report No. : VEL/W/2503290009

S.No.	Test Parameters	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limits	Permissible Limits
13	Fluoride (as F),max	APHA 4500 F-D: 24th Edition : 2023 (SPADNS Method)	0.26	mg/L	1.0	1.5
14	Nitrate (as NO <sub>3</sub> ),max	IS :3025 P-34/Sec1)2023: (Screening Method)	1.61	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	0.002	mg/L	0.03	0.2
17	Boron (as B),max	VEL/W/STP/03, Issue No. - 01,Issue date-01/11/2023:2023	0.05	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
27	Lead (as Pb),max	VEL/W/STP/03, Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.02)	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

Reviewed By



### Terms & Conditions

- The results reported relate only to the samples tested. In case samples are not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



# Vardan Envirolab LLP

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



## Test Report

Page No. 3/4

Sample Number : VEL/W/01

Report No. : VEL/W/2503290009

S.No.	Test Parameters	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limits	Permissible Limits
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

Reviewed By



Bibhuti Nayak  
Dy. Technical Manager



Gaurav  
Authorized Signatory

### Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.

[www.vardan.co.in](http://www.vardan.co.in)



## Test Report

Sample Number : VEL/W/01

Report No. : VEL/W/2503290009

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\*\*\*

NITIN KUMAR  
Sr. Microbiologist

@iHh  
03/04/25

Reviewed By



### Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



## Environment Policy

Feb 2025

DLF recognizes the importance of protecting the environment through adopting appropriate mitigating and control measures, during Construction, Operations and Maintenance of its projects/ assets.

We will ensure adequate controls and processes to safeguard the environment in accordance with the relevant regulations/ standards/ guidelines.

We are committed to:

- Compliance of environmental legislation and regulation stipulated by statutory bodies from time to time.
- Maintain transparency in matters of Environmental compliance.
- Creating the required awareness on Environmental requirements and statutory norms with the aim of increasing environmental stewardship amongst employees, public, and other stake holders.
- Conducting our activities in an environmentally responsible manner that fosters sustainability.
- Minimizing the negative impact of our operations on the environment by improving the efficiency of natural resources usage, waste management processes and encouraging the integration of renewable energy resources wherever possible.
- Deploying/ developing the right resources and competence to understand and implement environmental measures as per best management practices applicable to the industry.
- Working for continual improvement of our environmental performance through focused objectives, performance targets and certifications as required.
- Reviewing this policy at regular intervals.

A handwritten signature in black ink, appearing to read 'P. Ramakrishnan', is written over a horizontal line.

P. Ramakrishnan

Chief Technical Officer, DLF LTD

डीएलएफ अपनी परियोजनाओं/ संपत्तियों के निर्माण, संचालन और रखरखाव के दौरान उपयुक्त न्यूनीकरण और नियंत्रण उपायों को अपनाकर पर्यावरण की रक्षा करने के महत्व को पहचानता है। हम संबंधित विनियमों/ मानकों/ दिशानिर्देशों के अनुसार पर्यावरण की सुरक्षा के लिए पर्याप्त नियंत्रण और प्रक्रियाएं सुनिश्चित करेंगे।

हम इसके लिए प्रतिबद्ध हैं:

- समय-समय पर वैधानिक निकायों द्वारा निर्धारित पर्यावरणीय कानून और विनियमन का अनुपालन।
- पर्यावरण अनुपालन के मामलों में पारदर्शिता बनाए रखना।
- कर्मचारियों, जनता और अन्य हितधारकों के बीच पर्यावरणीय नेतृत्व बढ़ाने के उद्देश्य से पर्यावरणीय आवश्यकताओं और वैधानिक मानदंडों पर आवश्यक जागरूकता करना।
- हमारी गतिविधियों को पर्यावरणीय रूप से जिम्मेदार तरीके से संचालित करना जो निरंतरता को बढ़ावा देता है।
- प्राकृतिक संसाधनों, अपशिष्ट प्रबंधन प्रक्रियाओं के उपयोग की दक्षता में सुधार करके और जहां भी संभव हो नवीकरणीय ऊर्जा संसाधनों के एकीकरण को प्रोत्साहित करके पर्यावरण पर हमारे संचालन के नकारात्मक प्रभाव को कम करना।
- उद्योग पर लागू सर्वोत्तम प्रबंधन प्रथाओं के अनुसार पर्यावरणीय उपायों को समझने और कार्यान्वित करने के लिए सही संसाधनों और क्षमता को तैनात/ विकसित करना।
- केंद्रित उद्देश्यों, प्रदर्शन लक्ष्यों और आवश्यकतानुसार प्रमाणपत्रों के माध्यम से हमारे पर्यावरणीय प्रदर्शन के निरंतर सुधार के लिए काम करना।
- नियमित अंतराल पर इस नीति की समीक्षा करना।



पी. रामकृष्णन

चीफ टेक्निकल ऑफिसर, डीएलएफ लिमिटेड