



Date: 05-06-2024

To

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

Sub: Submission of Six Monthly Compliance Report of Stipulated Conditions of Environmental Clearance for Proposed Residential Group Housing Colony in the Revenue Estate of Village Pawala Khusrupur, Sector-106, Gurgaon Manesar Urban Complex, Haryana the period of June 2024.

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

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

Sir,

In accordance to the environmental clearance for the above project received from the State Environment Impact Assessment Authority (SEIAA), Haryana, vide letter no. **SEIAA/HR/2023/209 and dated 12.04.2023**. We are submitting herewith six monthly compliance report of stipulated conditions of Environment Clearance (soft copy) for the period of **June 2024**.

Yours Faithfully

For Elan Avenue Ltd

(Authorized signatory)

Name - Gaurav Khandelwal
Designation- Sr. GM finance & Accounts
E-mail - Gaurav.khandelwal@elanlimited.com
Contact No.-9582727222

Copy to:

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

ELAN AVENUE LIMITED

(Formerly known as Airmid Developers Limited)

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

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

CIN: U45400HR2007PLC104996

1

INTRODUCTION

1.1 Introduction

M/s Elan Avenue Limited. Has proposed Residential Group Housing Colony Revenue Estate Village-Pawala Khusrupur. Sector-106, Gurugram Manesar Urban Complex, Haryana.
This Project has obtained Environmental Clearance from State Environmental Impact Assessment Authority (SEIAA), Haryana, with certain conditions.

1.2 Purpose of the Report

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

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

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

The Environmental assessment has been carried out to verify:

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

1.3 Methodology for Preparation of Report is as follows:

- 1) Study of EC Letter & Related Documents,
- 2) Site Visits by a Team of Experts,
- 3) Monitoring of Environment Parameters, viz. Ambient Air, Water, and Noise& Soil by the NABL/Moef lab.
- 4) Interpretation of Monitoring Results.
- 5) Preparation of half yearly Environmental Compliance Report.

1.4 Generic Structure of Report:

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

2

ADHERENCETOSPECIFICANDGENERAL CONDITIONS

A. Specific Conditions:

| S. No. | Conditions of Environmental Clearance | Status of Compliance |
|--------|---|--|
| 1. | Sewage shall be treated in the STP based on latest Technology to achieve standards ordered by NGT. The Treated effluent from STP shall be recycled /reused for flushing. DG cooling and Gardening | <i>Noted & Agreed.</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>Agreed and same will be complied.</i> |
| 3. | The PP shall ensure that total EMP Budget shall be spent on project during construction as well as during operational phase as per table given above. The EMP cost on Socio Economic activities shall be used before the commencement of the project & EMP recurring inside the project shall be implemented throughout the operation of the project. The PP shall establish Environment Monitoring Cell as per documents submitted | <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.</i> |
| 4. | The project proponent shall upload the status of compliance of the basic details (given in above tables), stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis. | <i>We assure that the monitoring data with environment clearance conditions including results of monitored data will be regularly uploaded on our website.</i> |
| 5. | The Project Proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats. | <i>Agreed and same will be complied.</i> |
| 6. | Separate wet and dry bins must be provided in each unit and at ground level for facilitating segregation of waste. Solid Waste shall be segregated into wet garbage and inert materials. Wet Garbage shall be composted in Organic waste convertor. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The Inert waste from the project will be sent to solid waste dumping site through authorized vender | <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> |
| 7. | 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 | <i>Agreed and will be complied.</i> |

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

| | | |
|-----|---|--|
| | service of the roads within a 05 kms radius of the project is marinated and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or purpose to be carried out by the project or other agencies in this 05 kms radius of the site in different scenarios of space and time. | |
| 8. | No tree cutting has been proposed in the instant project. A minimum of 1 tree for every 80sqm of land should be planted and maintained. The Existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. As proposed 24,587.9630 m ² (25.21% of plot area) 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> |
| 9. | 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. Construction will be done as per the NBC norms.</i> |
| 10. | 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>Consent to establishment for the project has already been obtained prior to start of the project activity and submitted to SEIAA. Copy of same is enclosed as Annexure-1</i> |
| 11. | 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> |
| 12. | The PP shall obtain the fire NOC from the Competent Authority before taking the Occupation the Building. | <i>Noted.</i> |
| 13. | 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 ₂ load by 30% if HSD is used. The DG sets will be operated for maximum 04 hours during power failure through Executing Agency | <i>Agreed & Noted</i> |
| 14. | The PP shall increase solar power 3 to 5% of total power demand. | <i>Noted and the same will be complied in the due course of time.</i> |
| 15. | The PP shall not give occupation or possession before the water supply and sewage connection permitted by the competent authority | <i>We have already obtained the water assurance. The copy of same is attached as Annexure-2</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. Copy of power assurance is attached as Annexure-3.</i> |
| 17. | The PP Shall obtain the permission regarding the withdrawal of ground water from CGWA before the start of the project and also obtained the CTO from HSPCB after the Approval from CGWA. | <i>No ground water will be used at the project site before obtaining prior clearance from CGWA</i> |
| 18. | The PP shall carry out the quarterly awareness programs for the stakeholders of the project | <i>Noted and same will be complied.</i> |

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

| | | |
|-----|--|---|
| 19. | 24 Rain water harvesting recharge pits shall be provided for ground water recharging as per the CGWA Norms. | <i>Adequate number of rainwater harvesting pits will be installed to recharge the groundwater.</i> |
| 20. | The PP shall install Digital water level recorder for monitoring the water recharge and carry out quarterly maintenance and cleaning of RWH pits | <i>We will install the digital water level recorders for the monitoring of water recharge and also maintain logbook for the cleaning of the RWH pits.</i> |
| 21. | The PP shall ensure the compliance of provisions of Plastic Waste Management (Amendment) Rules, 2022 relevant for the project. | <i>Same will be complied as per the norms.</i> |
| 22. | The PP may provide electric charging stations to facilitate electric vehicle commuters. | <i>Noted.</i> |
| 23. | The PP shall provide the Anti smog gun mounted on vehicle in the project for suppression of dust during construction & operational phase and shall use the treated water, if feasible. | <i>Agreed and same will be complied. Only treated water will be used for the dust suppression</i> |
| 24. | The PP shall take all preventive measures including water sprinkles to control dust during construction and operational phase. | <i>Adequate measures shall be obtained to control the dust construction and operational phase.</i> |
| 25. | Any change in stipulations of EC will lead to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance | <i>Fresh Environmental clearance will be obtained before any change in project</i> |
| 26. | The PP shall get agreement with individual plot holder to plant one tree in each plot. | <i>Noted.</i> |
| 27. | The project is recommended on concept basis as such in case of any change in planning, the PP will obtain fresh EC | <i>Noted.</i> |
| 28. | PP shall maintain 25.21% of the Plot area as Green Area i.e. 24587.9630 Sqm as offered in the proposal and the same shall not be reduced/ modified or put to any other use / purpose. | <i>Noted and same will be Complied.</i> |
| 29. | A buffer zone of 15 meters on both sides of HT line shall be created, no construction to be carried out within the said zone | <i>Noted.</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 firefighting equipment etc. as per National Building Code including protection measures from lightening etc. | <i>Noted and same will be submitted to the authority.</i> |
| 3. | The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project | <i>The project does not fall under any forest area marked by government. NOC from DFO has been obtained and submitted to the authority and is attached as Annexure-4</i> |
| 4. | The project proponent shall obtain clearance from the National Board for Wildlife, if applicable | <i>"We have already submitted an undertaking to SEIAA regarding the same".</i> |

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

| | | |
|-----|---|--|
| 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>CTE has been obtained from HSPCB Vide No. HSPCB/Consent/: 329962323GUNOCTE36224969 dated 03.05.2023 and the copy is attached as Annexure-1</i> |
| 6. | The project proponent shall obtain the necessary permission for drawl of ground water /surface water required for the project from the Competent authority. | <i>The same shall be obtained in future as per the requirement from the competent authority.</i> |
| 7. | A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained. | <i>We have obtained Power Assurance from DHVBN. and the copy is attached as Annexure-3</i> |
| 8. | All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, fire Department, Civil aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities. | <i>As this is a construction project, no major amount of diesel will be stored at site. Hence NOC is not required. However, all other clearances/NOCs as per requirement have been obtained.</i> |
| 9. | The provisions of the Solid waste (Management Rules, 2016, e-Waste (Management) Rules, 2016, and the plastic Waste (Management) Rules, 2016 shall be followed. | <i>The solid waste generated will be properly collected and segregated as per the requirement of the SWM Rules, 2016 and as amended from time to time. Biodegradable waste will be treated in Organic Waste Converter within the complex. The other wastes shall be given to authorized vendors.</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 & Regulations are being considered during construction phase.</i> |

I. Air Quality Monitoring and Preservation

| S. No. | Conditions of Environmental Clearance | Status of Compliance |
|------------|---|--|
| i | Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with. | <i>Noted for the compliance. Dust Mitigation measures and water sprinkling system is being provided at site during construction.</i> |
| ii | A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site. | <i>A low sulphur diesel type DG set is being used during construction phase.</i> |
| iii | The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period. | <i>Vehicles bringing construction material to the site are having valid PUC certificate and no vehicles are allowed to enter the project site without the valid PUC certificate. Monitoring reports will be submitted on regular basis. Same is attached as Annexure 5.</i> |
| iv | Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of ultra-low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board | <i>Acoustically enclosed DG sets have been installed at the project site to conform to the guidelines under EPA Act</i> |
| 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 | <i>Temporary barricading has been provided at the construction site. Sign boards and screens are already provided at construction site.</i> |

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

| | | |
|-------------|---|---|
| | 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>Construction material is being stored with cover and tarpaulins so that no dust emission occurs at and around the site.</i> |
| vi | Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution. | <i>Construction material has been kept cover properly to prevent the dust pollution</i> |
| vii | Wet jet shall be provided for grinding and stone cutting. | <i>Noted and same is being provided.</i> |
| viii | Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust. | <i>Regular sprinkling is being done to suppress the dust</i> |
| 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 construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016. | <i>Construction debris is being stored and used within the project to the extent possible and the excess will be disposed safely so that it would not create any adverse effects on environment as well as nearby societies.</i> |
| x | 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>Diesel generator sets were being used for construction phase with ultra-low sulphur diesel used at the project site; noise and emissions were within the permissible limits.</i> |
| 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. | <i>DG Sets are installed either on surface or in basements, for power back up for lifts, common area illumination and for domestic use with acoustic enclosure and wet scrubber or adequate stack height as per the provisions of the Central Pollution Control Board (CPCB) norms.</i> |
| xii | For indoor air quality the ventilation provisions as per National Building code of India. | <i>Building is designed as per NBC and indoor air quality ventilation is designed accordingly.</i> |

II water quality monitoring and preservation

| S. No. | Conditions of Environmental Clearance | Status of Compliance |
|---------------|--|--|
| [i] | The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water. | <i>No natural drain has been disturbed during the construction phase.</i> |
| [ii] | Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done. | <i>Noted and agreed.</i> |
| [iii] | Total fresh water use shall not exceed the proposed requirement as provided in the project details. The per capita supply should adhere to NBC 2016 and CGWA Notification dated 12.12.2018. | <i>Water assurance has been obtained. The copy of water assurance is attached as Annexure-2</i> |
| [iv] | The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC/SEIAA along with six monthly Monitoring reports. | <i>Digital flow meters will be installed to monitor the water usage, water recycling and rainwater harvesting in the due course of time.</i> |

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

| S. No. | Conditions of Environmental Clearance | Status of Compliance |
|---------------|--|---|
| [v] | A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the Project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users. | <i>Water assurance from GMDA has been obtained by the project proponent.</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>Noted. Building bye-laws shall be followed and at least 20% of the open spaces as required shall be kept pervious.</i> |
| [vii] | Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done. | <i>Dual plumbing lines will be installed in the project for supplying fresh water for drinking, cooking and bathing etc. and recycled water for flushing, landscape irrigation etc.</i> |
| [viii] | Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan. | <i>Noted. Feasible water saving devices/ fixtures will be adopted.</i> |
| [ix] | Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system are done. | <i>Noted and will be complied</i> |
| [x] | Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred. | <i>Pre-mixed concrete, curing agents are being used wherever applicable to reduce the water demand during construction.</i> |
| [xi] | The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms. | <i>Noted. Adequate RWH Pits shall be provided at the project site as per the norms in the due course of time.</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 will be complied.</i> |
| [xiv] | No ground water shall be used during construction phase of the project. | <i>Noted. Water requirement will be met through HUDA water supply.</i> |
| [xv] | Any groundwater dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering. | <i>Noted. No Ground water will be used without approval from the CGWA.</i> |
| [xvi] | The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project | <i>Flow meters will be installed during operational phase for measuring and maintaining water consumption records for different usages. And there after records will be</i> |

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

| S. No. | Conditions of Environmental Clearance | Status of Compliance |
|---------|---|---|
| | proponent. The record shall be submitted to the Regional Office, MoEF&CC/SEIAA along with six monthly Monitoring reports. | <i>submitted to Regional Office and MoEF&CC along with six monthly compliances.</i> |
| [xvii] | Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re- used for flushing, AC make up water and gardening. As proposed, no treated water shall be disposed in to municipal drains. | <i>Treated sewage water will be reused for flushing, horticulture and other purposes at the project site.</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 and the same will be complied.</i> |
| [xx] | Periodical monitoring of water quality of treated. Sewage shall be Conducted. Necessary measures should be made to mitigate the odour problem from STP. | <i>Periodic monitoring of treated water will be done to measure the quality of the water.</i> |
| [xxi] | Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry. Of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013. | <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 I SPCB. | <i>Noise level survey is being carried out as per the guidelines. Monitoring reports are enclosed as Annexure-5.</i> |
| 2. | Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry/SEIAA as a part of six-monthly compliance report. | <i>Regular monitoring of ambient air & ambient noise level within and around the project site is being done. The result showed that the noise level was within the permissible limit and conforms to the CPCB Guidelines. Lab Reports enclosed as Annexure-5</i> |
| 3. | Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources. | <i>Acoustically enclosed DG sets and ear plugs for the operating personnel are provided at the project site as mitigation measures for noise impact due to ground sources.</i> |

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

IV. Energy Conservation measures

| S. No. | Conditions of Environmental Clearance | Status of Compliance |
|---------------|---|---|
| (i) | Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency as per ECBC Act, 2017 read with ECBC Rules, 2018 shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC also which is no case shall be less than 25% as prescribed. | <i>Energy Conservation Building Code will be complied.</i> |
| (ii) | Outdoor and common area lighting shall be LED. | <i>LED Lights will be provided for the outdoor and common area to reduce electricity load on power grid.</i> |
| (iii) | Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. Shall be incorporated in the building design. Wall, window, and roof R & U-values shall be as per ECBC specifications. | <i>We will ensure to comply with ECBC norm during building design.</i> |
| (iv) | Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning. | <i>Energy conservation measures shall be adopted by maximum use of LED lights and other energy efficient devices.</i> |
| (v) | Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-law's requirement, whichever is higher. | <i>Solar panels as per HREDA norms shall be installed.</i> |
| (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. | <i>The mandatory requirement of solar water heating system has been omitted by HAREDA vide its order dated 14.03.2016. Necessary provision of solar panel will be made as per prevailing HAREDA norms in operation phase.</i> |
| (vii) | The PP will submit report indicating compliance of each parameter of ECBC requirement and submit Quantification saving report for each component. | <i>Noted and will be complied.</i> |

V. Waste Management

| S. No. | Conditions of Environmental Clearance | Status of Compliance |
|---------------|---|---|
| (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. | <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> |
| (ii) | 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> |
| (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 | <i>Separate wet and dry bins will be provided in each unit. Solid waste will be segregated and OWC will be installed for composting the wet garbage and the inert waste</i> |

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

| | | |
|---------------|---|---|
| | and inert materials. | <i>from project will be sent to dumping site through authorized vendor only.</i> |
| (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. | <i>Organic Waste Converter within the premises with a required capacity shall be installed. Leaves to be put in the pits and shall be converted into compost to be used as manure for the plantation at the project site.</i> |
| (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. | <i>All non-biodegradable waste wastes are being disposed through MCG authorized vendor.</i> |
| (vi) | 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>Only hazardous waste generating from the site was used oil of DG sets. The used oil was being disposed off as per Hazardous Waste Management Rules</i> |
| (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. | <i>Ready mixed concrete and other environment friendly material like Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks is being used as construction material.</i> |
| (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. | <i>We will use fly ash to the maximum extent. Fly ash will be used for bricks and for cementing purpose.</i> |
| (ix) | Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016. | <i>Construction waste was being majorly used within the site for backfilling or making temporary or permanent roads.</i> |
| (X) | Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination. | <i>The discarded CFLs will be collected and handed over to the authorized e-waste recyclers.</i> |

VI. Green Cover

| S. No. | Conditions of Environmental Clearance | Status of Compliance |
|---------------|--|--|
| 1. | No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted). | <i>The land to be developed for the project is a vacant land. No trees or plants have been cut. During project development will be developed for landscaping as per the proposed plan.</i> |
| 2. | A minimum of 1 tree (5" tall) for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. | <i>Adequate green area shall be developed & maintained in the project</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>We will comply with the condition.</i> |

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

| | | |
|----|--|---|
| 4. | Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site. | <i>Excavated top soil during construction phase is being stored properly to be later used in horticulture landscaping & land filling.</i> |
|----|--|---|

VII. Transport

| S. No. | Conditions of Environmental Clearance | Status of Compliance |
|--------|--|--|
| 1. | A comprehensive mobility plan as per MoUD best practiced guidelines (URDPFI) shall be prepared to include motorized, non- motorized, public and private networks. Road should be designed with due consideration for environment and safety of users. The road system can be designed with these basic criteria a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic. b. Traffic calming measures. c. Proper design of entry and exit point. d. Parking norms as per local regulation. | <i>Appropriate integration of motorized & non-motorized, public & private networks shall be done. The roads have been designed to segregate the pedestrian & vehicular traffic, considering traffic calming measures and the roads, turning radius, Entry/ Exit points & parking areas have been designed by following the HUDA norms & environment & safety have been duly considered.</i> |
| 2. | Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours. | <i>Vehicles operated during construction phase are having valid Pollution Under Control (PUC) certificates. Vehicle during operation phase shall also be guided to have valid PUC certificates.</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 0 kms Radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation components of the plan which involve the participation of these departments the plan which involve the participation of these departments. | <i>Proper Parking spaces & road network shall be developed within the project to avoid any congestion. Project's Parking & Traffic circulation plan has also been submitted during the EC presentation. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site shall be avoided by providing separate & wide Entry & Exit & by adopting single way traffic movement wherever feasible.</i> |

VIII. Human health issues

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

| S. No. | Conditions of Environmental Clearance | Status of Compliance |
|---------------|---|---|
| 1. | All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask. | <i>Proper PPE kits like hamlet, jackets, shoed and dust masks are provided to all workers working in the construction site.</i> |
| 2. | For indoor air quality the ventilation provisions as per National Building Code of India. | <i>Building is designed as per NBC and indoor air quality ventilation is designed accordingly</i> |
| 3. | Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented. | <i>Noted and will be complied.</i> |
| 4. | Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project. | <i>Local contractors have been engaged for construction purposes & temporary housing provision for the labours has been made by the contractor itself. Although drinking water, mobile toilet and medical health care facility is provided at the project site for the labour engaged in construction of project.</i> |
| 5. | Occupational health surveillance of the workers shall be done on a regular basis. | <i>The proper health check-ups shall be done for the workers on a regular basis.</i> |
| 6. | A First Aid Room shall be provided in the project both during construction and operations of the project. | <i>A First Aid facility is being provided at site during construction phase and first aid facilities shall also be provided during the operation phase.</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 / wild life norms / conditions and / or shareholders /stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC/SEIAA as a part of six-monthly report. | <i>Noted and will be complied.</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. Separate environmental cell will be appointed at the project site that will be responsible for all the environmental activities and will directly report to the head of the organization.</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 purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office/SEIAA along | <i>Will be complied.</i> |

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

with the Six Monthly Compliance Report.

X. Miscellaneous

| S. No. | Conditions of Environmental Clearance | Status of Compliance |
|---------------|--|---|
| 1. | The project has been appraised on the concept basis as such PP will obtain fresh EC in case of change in the planning. | <i>Noted.</i> |
| 2. | The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed. | <i>Noted & Complied.</i> |
| 3. | The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt. | <i>Copies of environmental Clearance have been submitted to Municipal Corporations, Local Body and NGOs.</i> |
| 4. | The project proponent shall upload the status of compliance of the Stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis. | <i>Noted and the same will be complied.</i> |
| 5. | The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at Environment Clearance Portal. | <i>We are submitting the compliance reports to the concerned departments regularly.</i> |
| 6. | The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company. | <i>Form- V for each financial year shall be submitted every year & shall simultaneously be uploaded on the website, as per the required conditions during operational phase of the project.</i> |
| 7. | The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project. | <i>Noted and will be complied.</i> |
| 8. | The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government. | <i>Agreed and noted.</i> |
| 9. | The project proponent shall abide by all the commitments and recommendations made in the form-IA, Conceptual Plan and also that during their presentation to the Expert Appraisal Committee | <i>Agreed and noted.</i> |
| 10. | No further expansion or modifications in the plan shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)/SEIAA, Haryana. The project proponent shall seek fresh environmental clearance under EIA notification 2006 if at any stage there is change of area of this project. | <i>Noted. The Fresh environmental clearance will be applied before any change of area of this project.</i> |

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

| | | |
|------------|--|---|
| 11. | Any change in planning of the approved plan will leads to environment. Clearance void-ab-intio and PP will have to seek fresh Environment Clearance | <i>Noted and Agreed Fresh environmental clearance will be applied before any change in the approved plan.</i> |
| 12. | The PP should give unambiguous affidavit giving land Promoters in accordance with your ownership and possession of land legal the case referred for Environment Clearance to SEIAA. | <i>Noted and complied.</i> |
| 13. | Concealing factual data or Submission of false/ fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986. | <i>Noted.</i> |
| 14. | The Ministry/ SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory. | <i>Agreed.</i> |
| 15. | The Ministry/SEIAA reserve the right to stipulated additional conditions if found necessary. The Company in a time bound manner shall implement these conditions. | <i>Noted and agreed.</i> |
| 16. | The regional Office of this Ministry shall monitor compliance of the stipulated conditions. The Project authorities should extend full Cooperation to the officer (s) of the Regional office by furnishing the requisite data/ information/monitoring report. | <i>Noted and agreed. We will provide full cooperation the officers of the Regional office during the visit at the project site.</i> |
| 17. | The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and other Wastes (Management and Trans boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1981 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any and any others Courts of Law relating to the subject matter. | <i>Noted and agreed.</i> |
| 18. | The validity of this environment clearance letter is valid up to 10 years from the date of issuance of EC letter in accordance with the MoEF & CC, GoI Notification No. S.O.1807 (E), dated the 12th April, 2022. The environment clearance conditions applicable till life space project will continue to apply. In case of violation the action would be taken as per the laid down law of land. Compliance report should be sent to this office till life of the project. | <i>Noted and agreed. The compliance report will be submitted to the concerned departments till the life of the project.</i> |
| 19. | If project is not completed within the validity period then the project proponent shall submit the application for extension of validity within one month before the lapse of validity period of Environment clearance i.e. 10 years. | <i>Agreed & Noted.</i> |
| 20. | 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 1 location: Near Main Gate. 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 | Location Name/ Description |
|--------|----------|----------------------------|
| 1. | AAQ 1 | Main Gate |

AAQ-1: Main Gate

The sampler was placed near main gate of project site and was free from any obstructions. Surroundings of the sampling site represent Commercial environmental setting

3.1.2 Ambient Air Quality Monitoring Methodology

Monitoring was conducted in respect of the following parameters:

- Particulate Matter (PM_{2.5})
- Particulate Matter (PM₁₀)
- Sulphur Dioxide (SO₂)
- Oxides of Nitrogen (NO_x)
- Carbon Monoxide (CO)

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

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

Fine Particulate Sampler instruments have been used for monitoring Particulate Matter 2.5 (PM_{2.5} i.e. <2.5 microns), and Respirable Dust Sampler was used for sampling Respirable fraction (<10 microns), gaseous pollutants like SO₂, and NO_x. Bladder and Aspirator bags were used for collection Carbon Monoxide samples. Gas Chromatography techniques have been used for the estimation of CO.

Table 3.2 Techniques used for Ambient Air Quality Monitoring

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

3.1.3 Ambient Air Quality Monitoring Results

The Detailed on-site monitoring results of PM_{2.5}, PM₁₀, SO₂, NO_x and CO are presented in **Table 3.3**.

Table 3.3 Ambient Air Quality Monitoring Results

| S.No. | Parameter | AAQ1 | NAAQS* |
|-------|-----------------------------------|-------|--------|
| 1. | Particulate Matter (PM2.5) | 48.23 | 60 |
| 2. | Particulate Matter(PM10) | 88.61 | 100 |
| 3. | Nitrogen Dioxide(NO2) | 32.47 | 80 |
| 4. | Sodium Dioxide(SO2) | 18.56 | 80 |
| 5. | Carbon Monoxide (CO) | 0.77 | 4 |

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

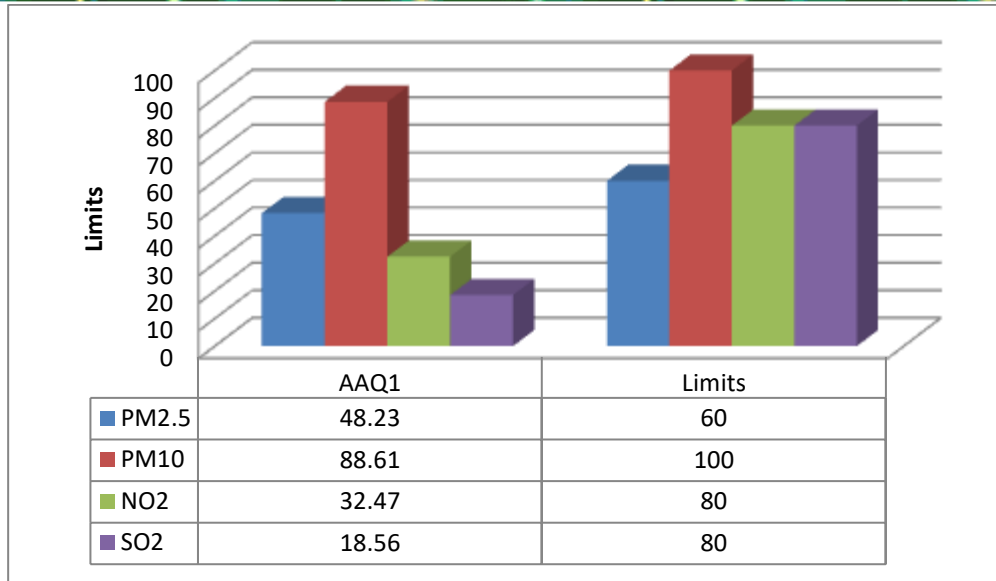


Figure 3.1 Location-wise Variation of PM_{2.5}, PM₁₀, NO₂ & SO₂ Ambient Air Quality

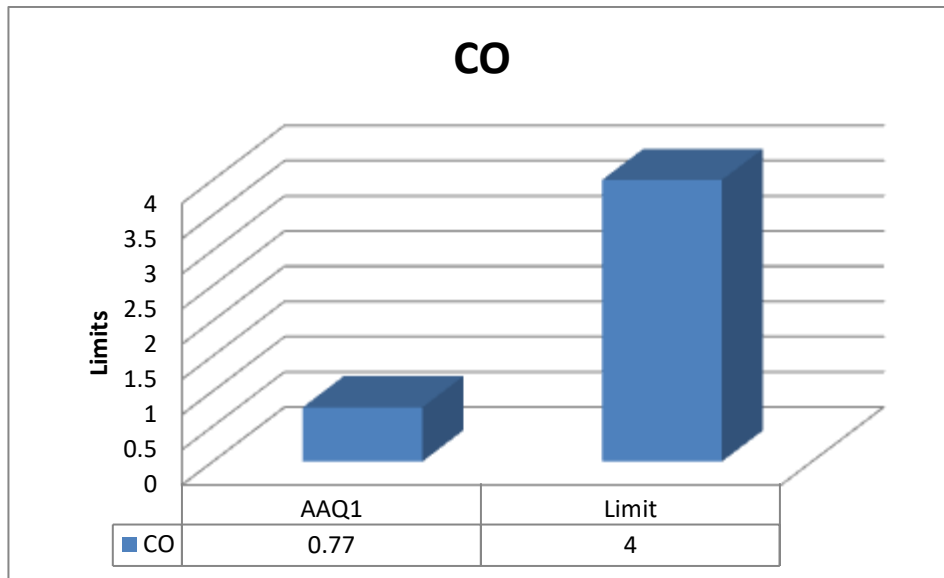


Figure 3.2 Location-wise Variation of CO in Ambient Air Quality

3.1.4 Discussion on Ambient Air Quality in the Study Area

PM₁₀ and PM_{2.5} levels at the project site are in the permissible limit of 100 µg/m³ and 60 µg/m³ respectively in all the areas (for commercial, rural and other areas as stipulated in the National Ambient Air Quality Standards). SO₂, NO_x and CO was observed within the corresponding stipulated limits (Limit for SO₂ and NO_x: 80 µg/m³ and limit for CO: 4.0 mg/m³) at all monitoring locations. Station wise variation of ambient air quality parameters has been pictorially shown in Figure 3.1&3.2.

3.2 AMBIENT NOISE MONITORING

3.2.1 Ambient Noise Monitoring Locations

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

Table 2.4 Details of Ambient Noise Monitoring Stations

| S. No. | Location Code | Location Name/ Description |
|--------|---------------|----------------------------|
| 1. | N1 | Main Gate |

3.2.2 Methodology of Noise Monitoring

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

3.2.3 Ambient Noise Monitoring Results

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

Table 3.5 Ambient Noise Monitoring Results

| Parameters | N1 | |
|--|----------|------------|
| | Day Time | Night Time |
| Leq | 50.48 | 41.95 |
| CPCB Limits in dB(A) Leq (Commercial Area) | 65.00 | 55.00 |

3.2.4 Discussion on Ambient Noise Levels in the Study Area

Day Time Noise Levels (L_{day}):

The day time noise level at all the locations were found to within limits prescribed for Residential area i.e. 65 dB (A).

Night Time Noise Levels (L_{night}):

The night time noise level at all the locations were found to within limit prescribed for Residential area i.e. 55 dB (A).

3.3 SOIL MONITORING

3.3.1 Soil Monitoring Locations

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

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

Table 3.6 Details of Soil Quality Monitoring Location

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

3.3.2 Methodology of Soil Monitoring

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

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

3.3.3 Soil Monitoring Results

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

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

| S. No. | Parameter | Test-Method | Result | Unit |
|--------|-------------------------|--|-----------------|----------|
| 1. | pH (at 25 °C) | IS : 2720 (P-26) | 7.54 | -- |
| 2. | Conductivity | IS:14767 | 0.261 | mS/cm |
| 3. | Soil Texture | VEL/STP/EN/64, Issue No.- 01, 01/11/2021 | Sandy Loam | -- |
| 4. | Color | VEL/STP/EN/67, Issue No.- 01, 01/11/2021 | Yellowish Brown | -- |
| 5. | Water holding capacity | VEL/STP/EN/86, Issue No.- 01, 01/11/2021 | 36.47 | % |
| 6. | Bulk density | VEL/STP/EN/59, Issue No.- 01, 01/11/2021 | 1.43 | gm/cc |
| 7. | Chloride as Cl | VEL/STP/EN/69, Issue No.- 01, 01/11/2021 | 141.24 | mg/kg |
| 8. | Calcium as Ca | VEL/STP/EN/72, Issue No.- 01, 01/11/2021 | 144.56 | mg/kg |
| 9. | Sodium as Na | VEL/STP/EN/62, Issue No.- 01, 01/11/2021 | 146.09 | mg/kg |
| 10. | Potassium as K | VEL/STP/EN/61, Issue No.- 01, 01/11/2021 | 51.24 | mg/kg |
| 11. | Organic Matter | IS 2720 (P-22), Titrimetric Method | 0.56 | % |
| 12. | Magnesium as Mg | VEL/STP/EN/72, Issue No. 01, 01/11/2021 | 18.41 | mg/kg |
| 13. | Available Nitrogen as N | IS:14684 Distillation Method | 168.33 | kg./hec. |
| 14. | Available Phosphorus | VEL/STP/EN/73, Issue No.- 01, 01/11/2021 | 31.08 | kg./hec. |
| 15. | Zinc (as Zn) | VEL/STP/HW/03, Issue No.- 01, 01/11/2021 | 8.54 | mg/kg |
| 16. | Manganese (as Mn) | VEL/STP/HW/03, Issue No.- 01, 01/11/2021 | 11.41 | mg/kg |
| 17. | Lead (as Pb) | VEL/STP/HW/03, Issue No.- 01, 01/11/2021 | 0.95 | mg/kg |
| 18. | Cadmium (as Cd) | VEL/STP/HW/03, Issue No.- 01, 01/11/2021 | BLQ (LOQ- 0.5) | mg/kg |
| 19. | Chromium (as Cr) | VEL/STP/HW/03, Issue No.- 01, 01/11/2021 | 1.68 | mg/kg |
| 20. | Copper (as Cu) | VEL/STP/HW/03, Issue No.- 01, 01/11/2021 | 2.21 | mg/kg |

3.4.4 Discussion on Soil Characteristics in the Study Area

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

3.4 WATER QUALITY MONITORING

3.4.1 Drinking Water Quality Monitoring Locations

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

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

Table 3.6 Details of Water Quality Monitoring Station

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

3.4.2 Methodology of Ground Water Quality Monitoring

Sampling of Drinking water was carried out on **May 2024**. 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 HNO₃. A sample for bacteriological analysis was collected in sterilized glass bottles.

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

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

3.4.3 Drinking water Quality Monitoring Results

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

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

Table 3.7 Drinking water Quality Monitoring Result

| S. No. | Parameter | Test-Method | Result | Unit | Limits of IS:10500 - 2012 | |
|--------|--|--|-----------------|-------|--------------------------------|--|
| | | | | | Requirement (Acceptable Limit) | Permissible limit in the Absence of Alternate Source |
| 1. | pH (at 25 °C) | IS3025 (P-11) | 7.42 | -- | 6.5 to 8.5 | No Relaxation |
| 2. | Colour | IS3025 (P-4) | BLQ(LOQ-1.0) | Hazen | 5 | 15 |
| 3. | Turbidity | IS3025 (P-10) | BLQ(LOQ-1.0) | NTU | 1 | 5 |
| 4. | Odour | IS3025 (P-5) | Agreeable | -- | Agreeable | Agreeable |
| 5. | Taste | IS3025 (P-8) | Agreeable | -- | Agreeable | Agreeable |
| 6. | Total Hardness (as CaCO ₃) | IS3025 (P-21) | 84.00 | mg/l | 200 | 600 |
| 7. | Calcium (as Ca) | IS3025 (P-40) | 22.14 | mg/l | 75 | 200 |
| 8. | Alkalinity (as CaCO ₃) | IS3025 (P-23) | 76.00 | mg/l | 200 | 600 |
| 9. | Chloride (as Cl) | IS 3025 (P-32) | 18.56 | mg/l | 250 | 1000 |
| 10. | Cyanide (as CN) | IS 3025 (P-27) | BLQ(LOQ-0.02) | mg/l | 0.05 | No Relaxation |
| 11. | Magnesium (as Mg) | IS3025 (P-46) | 6.96 | mg/l | 30 | 100 |
| 12. | Total Dissolved Solids | IS3025 (P-16) | 126.0 | mg/l | 500 | 2000 |
| 13. | Sulphate(as SO ₄) | IS3025 (P-24) | 5.32 | mg/l | 200 | 400 |
| 14. | Fluoride (as F) | IS 3025 (P-60) | 0.26 | mg/l | 1.0 | 1.5 |
| 15. | Nitrate (as NO ₃) | IS3025 (P-34) | 1.22 | mg/l | 45 | No Relaxation |
| 16. | Iron (as Fe) | VEL/STP/ICP/W-01, Issue No.-01, 01/11/21 | BLQ(LOQ-0.01) | mg/l | 1.0 | No relaxation |
| 17. | Aluminum (as Al) | VEL/STP/ICP/W-01, Issue No.-01, 01/11/21 | BLQ(LOQ-0.002) | mg/l | 0.03 | 0.2 |
| 18. | Boron | VEL/STP/ICP/W-01, Issue No.-01, 01/11/21 | BLQ(LOQ-0.01) | mg/l | 0.5 | 2.4 |
| 19. | Total Chromium (as Cr) | VEL/STP/ICP/W-01, Issue No.-01, 01/11/21 | BLQ(LOQ-0.01) | mg/l | 0.05 | No Relaxation |
| 20. | Phenolic | IS3025 (P-43) | BLQ(LOQ-0.0005) | mg/l | 0.001 | 0.002 |

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

| | Compounds | | | | | |
|-----|------------------------------|--|-----------------|---------|--|---------------|
| 21. | Mineral Oil | IS 3025 (P-39) | BLQ(LOQ-0.1) | mg/l | 1.0 | No Relaxation |
| 22. | Anionic Detergents (as MBAS) | IS3025 (P-68) | BLQ(LOQ-0.05) | mg/l | 0.2 | 1.0 |
| 23. | Zinc (as Zn) | VEL/STP/ICP/W-01, Issue No.-01, 01/11/21 | BLQ(LOQ-0.01) | mg/l | 5 | 15 |
| 24. | Copper (as Cu) | VEL/STP/ICP/W-01, Issue No.-01, 01/11/21 | BLQ(LOQ-0.002) | mg/l | 0.05 | 1.5 |
| 25. | Manganese (as Mn) | VEL/STP/ICP/W-01, Issue No.-01, 01/11/21 | BLQ(LOQ-0.01) | mg/l | 0.1 | 0.3 |
| 26. | Cadmium (as Cd) | VEL/STP/ICP/W-01, Issue No.-01, 01/11/21 | BLQ(LOQ-0.002) | mg/l | 0.003 | No Relaxation |
| 27. | Lead (as Pb) | VEL/STP/ICP/W-01, Issue No.-01, 01/11/21 | BLQ(LOQ-0.002) | mg/l | 0.01 | No Relaxation |
| 28. | Selenium (as Se) | VEL/STP/ICP/W-01, Issue No.-01, 01/11/21 | BLQ(LOQ-0.001) | mg/l | 0.01 | No Relaxation |
| 29. | Arsenic (as As) | VEL/STP/ICP/W-01, Issue No.-01, 01/11/21 | BLQ(LOQ-0.005) | mg/l | 0.01 | No Relaxation |
| 30. | Mercury (as Hg) | VEL/STP/ICP/W-01, Issue No.-01, 01/11/21 | BLQ(LOQ-0.0005) | mg/l | 0.001 | No Relaxation |
| 31. | Total Coliform | IS 15185 | Absent | /100ml | Shall not be detectable in any 100 ml sample | |
| 32. | E. coli | IS 15185 | Absent | / 100ml | Shall not be detectable in any 100 ml sample | |

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

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

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

3.5 Stack Emission Monitoring

Table 3.10 Details of Stack Monitoring Stations

| S. No. | Location Code | Capacity |
|--------|---------------|----------|
| 1. | DG1 | 500 KVA |
| 2. | DG2 | 500 KVA |
| 3 | DG3 | 250 KVA |

Table 3.11 Stack Monitoring Results

Location- DG1

| S. No. | Parameter | Protocol | Result | Unit | Limits (As Per CPCB) |
|--------|---|--|--------|----------|----------------------------|
| 1. | Particulate Matter (as PM) | IS 11255 (P-1) | 0.017 | gm/kw-hr | 0.02 |
| 2. | Oxide of Nitrogen (as NO _x) | IS 11255 (P-7) | 0.302 | gm/kw-hr | 0.40 |
| 3. | Total Hydrocarbon (as HC) | VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21 | 0.085 | gm/kw-hr | 0.19 |
| 4. | Carbon Monoxide (as CO) | VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21 | 0.561 | gm/kw-hr | 3.5 |

Table 3.12 Stack Monitoring Results

Location- DG2

| S. No. | Parameter | Protocol | Result | Unit | Limits (As Per CPCB) |
|--------|---|--|--------|----------|----------------------------|
| 1. | Particulate Matter (as PM) | IS 11255 (P-1) | 0.014 | gm/kw-hr | 0.02 |
| 2. | Oxide of Nitrogen (as NO _x) | IS 11255 (P-7) | 0.294 | gm/kw-hr | 0.40 |
| 3. | Total Hydrocarbon (as HC) | VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21 | 0.077 | gm/kw-hr | 0.19 |
| 4. | Carbon Monoxide (as CO) | VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21 | 0.58 | gm/kw-hr | 3.5 |

Table 3.12 Stack Monitoring Results
Location- DG3

| S. No. | Parameter | Protocol | Result | Unit | Limits (As Per CPCB) |
|--------|---|--|--------|----------|----------------------------|
| 1. | Particulate Matter (as PM) | IS 11255 (P-1) | 0.011 | gm/kw-hr | 0.02 |
| 2. | Oxide of Nitrogen (as NO _x) | IS 11255 (P-7) | 0.256 | gm/kw-hr | 0.40 |
| 3. | Total Hydrocarbon (as HC) | VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21 | 0.066 | gm/kw-hr | 0.19 |
| 4. | Carbon Monoxide (as CO) | VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21 | 0.40 | gm/kw-hr | 3.5 |

3.6 Point Source (DG Noise) Monitoring

Table 3.13 Details of Point Source Monitoring Stations

| S. No. | Location Code | Capacity |
|--------|---------------|----------|
| 1. | DG1 | 500 KVA |
| 2. | DG2 | 500 KVA |
| 3. | DG3 | 250 KVA |

Table 3.14 DG Noise Monitoring Results

| S. No. | Parameters | Protocol | Result dB(A) | | |
|--------|------------------------|----------|---|---|----------------|
| | | | Open the Canopy of DG Set Result dB(A) | Close the Canopy of DG Set (0.5 Meter Distance) Result dB(A) | Insertion Loss |
| 1. | L _{eq} | IS-4758 | 96.8 | 70.4 | 26.4 |
| 2. | CPCB Limits in dB (*A) | - | -- | 75.00 | 25.00 |

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 (0.5 Meter Distance) Result dB(A) | Insertion Loss |
| 1. | L _{eq} | IS-47587 | 97.5 | 71.7 | 25.8 |
| 2. | CPCB Limits in dB (*A) | - | -- | 75.00 | 25.00 |

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 (0.5 Meter Distance) Result dB(A) | Insertion Loss |
| 1. | L_{eq} | IS-47587 | 98.1 | 72.6 | 25.5 |
| 2. | CPCB Limits in dB (*A) | - | -- | 75.00 | 25.00 |

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



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





HARYANA STATE POLLUTION CONTROL BOARD

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

Gurgaon Ph.0124-2332775 Email:-

hspcbrogrn@gmail.com

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

Telephone No.: 0172-2577870-73



No. HSPCB/Consent/ : 329962323GUNOCTE36224969

Dated:03/05/2023

To.

M/s : Elan Avenue Limited

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

GURGAON

122006

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

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

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

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

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

HARYANA STATE

Regional Officer, Gurgaon North

Haryana State Pollution Control Board.

Terms and conditions

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

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

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

Specific Conditions

Other Conditions :

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

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





GURUGRAM METROPOLITAN DEVELOPMENT AUTHORITY

To

M/s Airmid Developers Limited
448-451, Udyog Vihar Phase-V,
Gurugram

Memo No. EE (Proj)/GMDA/2022/ 454


Dated: 01-09-2022

Sub:- Assurance of water supply for 34 KLD drinking water for labours/ staff during construction phase and 650 KLD water during operation phase for proposed residential group housing colony admeasuring 24.10 acres (Licence No. 80 of 2012 valid upto 16.08.2024) project at village Pawala Khusrupur, Sector-106, Gurugram being developed by Airmid Developers Pvt Ltd & others

Ref: Your application dated 31.08.2022

With reference to the cited subject, it is intimated that the portable water is available in the area. The water connection can be taken by your firm from the existing master water supply line of this area.

Further after receiving occupation certificate to your said project, new connection can be released after completing the required formalities for its release from GMDA.


Executive Engineer-I
W/S, Division, GMDA,
Gurugram

From:
Airmid Developers Limited
Mariana Developers Limited
Albina Properties Limited
15th Floor Two Horizon Center
Sector -42 Golf Course Road
Gurugram, Haryana

Dated : 21.09.2022

To,
The Superintending Engineer,
'OP' Circle, DHBVN,
Gurugram, Haryana

Subject: - Assurance Certificate/NOC for supply of electrical load w.r.t. Residential Group Housing Colony land measuring 24.10 Acres (License No. 80 of 2012 dated 17.08.2012) Falling in the Revenue Estate of Pawala Khusrupur, Sector-106, Gurugram being developed by Airmid Developers Limited,

Ref: Your letter vide Memo No.Ch.104/Drg/PLC

Dear Sir,

We are in receipt of your above mentioned letter.

This is to state that approval of Building Plans for the above mentioned Residential Group Housing Colony was listed before the Building Plan Approval Committee, DTCP, Haryana, Chandigarh on 20.09.2022 and in principal approval has been given verbally. It will take at least one month time to get the Building Plans sanctioned and BR-III issued.

We require the said NOC to submit along with our application to State Environment Impact Assessment Authority, (SEIAA), Panchkula for issue of Environment Clearance for the above mentioned Residential Colony.

Further, this is also required to submit along with our application to HERARA Gurugram in respect of Registration of our above-mentioned Residential Group Housing Colony.

In view of the above, we request you to kindly consider our request and issue Assurance Certificate/NOC for the supply of Electrical Load as mentioned in our letter dated 08.09.2022.

Thanking you,

Yours faithfully,
For Airmid Developers Limited

Authorized Signatory



[Handwritten signature]
21/9/22

Despatcher
C/o G.M. (OP) Circle
DHBVN, Gurugram



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



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

नाम
Name

नीतिश
Nitish

संगठन का नाम
Organisation Name

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

वर्तमान पता
Current Address

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

भूमि स्थान
Land Location

Pawala Khusrupur, Gurgaon, Pawala Khusrupur

भूमि मापन
Land Measurements

28.95 (Acre)

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

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

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

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

जारी करने का स्थान / Place of Issuance: Gurgaon

जारी करने वाला प्राधिकरण / Issuing Authority: Divisional Forest Officer



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

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



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



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

किला नम्बर
Killa Number

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

प्रयोजन
Purpose

Building Construction



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

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

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



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



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

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

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

It is subject to the following conditions:

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



Date: 07-09-2022
Place: Gurgaon

Rajeev Tejyan,
(Divisional Forest Officer)

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

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



Test Report

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

Report No. : VEL/AP/2406010012
Format No : 7.8 F-03
Party Reference No : Nil
Reporting Date : 06/06/2024
Period of Analysis : 01/06/2024-06/06/2024
Receipt Date : 01/06/2024

Name of Sample : AMBIENT AIR
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Near Main Gate
Sample Collected By : VEL Representative (Mr. Sudesh)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/FPS/15
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 30/05/2024 To 31/05/2024
Time of Monitoring : 02:00 PM To 02:00 PM
Ambient Temperature (°C) : Min.28°C, Max.47°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 |
|-----------------------|----------------------------------|-----------------------------|---------|-------------------|--------------------|
| Discipline : Chemical | | | | | |
| 1 | Particulate Matter (as PM -10) | IS:5182 (P-23) | 88.61 | µg/m ³ | 100 |
| 2 | Particulate Matter (as PM - 2.5) | IS:5182 (P- 24) | 48.23 | µg/m ³ | 60 |
| 3 | Nitrogen Dioxides (as NO2) | IS 5182 (P- 6) | 32.47 | µg/m ³ | 80 |
| 4 | Sulphur Dioxide (as SO2) | IS 5182 (P- 2) | 18.56 | µg/m ³ | 80 |
| 5 | #Carbon Monoxide (as CO) | IS 5182 (P-10), NDIR Method | 0.77 | mg/m ³ | 4.0 |

Note - # indicates 1 hour monitoring of CO.

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.



Test Report

Sample Number : VEL/AP/02
Name & Address of the Party : M/s Elan Avenue Limited.
Residential Group Housing Colony Village-Pawala
Khusrupur, Sector-106, Gurgaon Manesar Urban
Complex, and Haryana.

Report No. : VEL/AP/2406010013
Format No : 7.8 F-03
Party Reference No : Nil
Reporting Date : 06/06/2024
Period of Analysis : 01/06/2024-06/06/2024
Receipt Date : 01/06/2024

Name of Sample : AMBIENT NOISE
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Near Main Gate
Sample Collected By : VEL Representative (Mr. Sudesh)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/15
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 30/05/2024 To 31/05/2024
Time of Monitoring : 06:00 AM To 06:00 AM
Ambient Temperature (°C) : Min.28°C, Max.47°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : CPCB
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 | I S-9989 | 50.48 | 41.95 | 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



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.



Test Report

Page No. 1/1

Sample Number : VEL/AP/03
Name & Address of the Party : M/s Elan Avenue Limited.
Residential Group Housing Colony Village-Pawala
Khusrupur, Sector-106, Gurgaon Manesar Urban
Complex, and Haryana.

Report No. : VEL/AP/2406010014
Format No : 7.8 F-03
Party Reference No : Nil
Reporting Date : 06/06/2024
Period of Analysis : 01/06/2024-06/06/2024
Receipt Date : 01/06/2024

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

General Information

Sampling Location : DG Set Area
Sample Collected By : VEL Representative (Mr. Sudesh)
Date of Sampling : 30/05/2024
Sampling duration (Minutes) : 42.0
Stack attached to : DG Set No.8025 (500 KVA)
Make of stack : MS
Type of Fuel Used : HSD
Diameter of stack(m) : 0.127 Mtr.
Height of stack(m) : 5.0 Mtr.
Instrument calibration status : Calibrated
Meteorological Condition : Clear Sky
Ambient Temperature - Ta (°C) : 46.0
Temperature of Stack Gases - Ts (°C) : 269.0
Velocity of Stack Gases (m/sec.) : 22.95
Flow rate of PM (LPM) : 22.0
Flow rate of Gas (LPM) : 2.0
Sampling condition : Isokinetic
Protocol used : IS 11255 & EPA

| S.No. | Test Parameters | Test Method | Results | Units | Limits as per CPCB |
|-----------------------|----------------------------|--|---------|----------|--------------------|
| Discipline : Chemical | | | | | |
| 1 | Particulate Matter (as PM) | IS:11255 (P-1) | 0.017 | gm/kw-hr | 0.02 |
| 2 | Oxide of Nitrogen (as NOx) | IS:11255 (P-7) | 0.302 | gm/kw-hr | 0.40 |
| 3 | Total Hydrocarbon (as HC) | VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21 | 0.085 | gm/kw-hr | 0.19 |
| 4 | Carbon Monoxide (as CO) | VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21 | 0.561 | gm/kw-hr | 3.5 |

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.





Test Report

Sample Number : VEL/AP/04
Name & Address of the Party : M/s Elan Avenue Limited.
Residential Group Housing Colony Village-Pawala
Khusrupur, Sector-106, Gurgaon Manesar Urban
Complex, and Haryana.

Report No. : VEL/AP/2406010015
Format No : 7.8 F-03
Party Reference No : Nil
Reporting Date : 06/06/2024
Period of Analysis : 01/06/2024-06/06/2024
Receipt Date : 01/06/2024

Name of Sample : DG Noise
Sample Group : Atmospheric Pollution

General Information

Sampling Location : DG Set No.8025 (500 KVA)
Sample Collected By : VEL Representative (Mr. Sudesh)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/10
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 30/05/2024
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS 4758
Sampling duration (Minutes) : 30.0
Parameter Required : As per work order

| S.No. | Parameters | Test Method | Open the canopy of DG Set Results dB(A) | Close the canopy of DG Set (1.0 mtr. Distance) Result dB(A) | Insertion Loss |
|-----------------------|--------------------------|-------------|---|---|----------------|
| Discipline : Chemical | | | | | |
| 1 | Leq | IS: 4758 | 96.8 | 70.4 | 26.4 |
| 2 | CPCB Limit in Leq dB (A) | -- | -- | 75.0 (Max.) | 25.0 (Min.) |

End of Report

Reviewed By



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.



Test Report

Sample Number : VEL/AP/05
Name & Address of the Party : M/s Elan Avenue Limited.
Residential Group Housing Colony Village-Pawala
Khusrupur, Sector-106, Gurgaon Manesar Urban
Complex, and Haryana.

Report No. : VEL/AP/2406010016
Format No : 7.8 F-03
Party Reference No : Nil
Reporting Date : 06/06/2024
Period of Analysis : 01/06/2024-06/06/2024
Receipt Date : 01/06/2024

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

General Information

Sampling Location : DG Set Area
Sample Collected By : VEL Representative (Mr. Sudesh)
Date of Sampling : 30/05/2024
Sampling duration (Minutes) : 42.0
Stack attached to : DG Set No.8026 (500 KVA)
Make of stack : MS
Type of Fuel Used : HSD
Diameter of stack(m) : 0.127 Mtr.
Height of stack(m) : 5.0 Mtr.
Instrument calibration status : Calibrated
Meteorological Condition : Clear Sky
Ambient Temperature - Ta (°C) : 47.0
Temperature of Stack Gases - Ts (°C) : 271.0
Velocity of Stack Gases (m/sec.) : 23.14
Flow rate of PM (LPM) : 22.0
Flow rate of Gas (LPM) : 2.0
Sampling condition : Isokinetic
Protocol used : IS 11255 & EPA

| S.No. | Test Parameters | Test Method | Results | Units | Limits as per CPCB |
|-----------------------|----------------------------|--|---------|----------|--------------------|
| Discipline : Chemical | | | | | |
| 1 | Particulate Matter (as PM) | IS:11255 (P-1) | 0.014 | gm/kw-hr | 0.02 |
| 2 | Oxide of Nitrogen (as NOx) | IS:11255 (P-7) | 0.294 | gm/kw-hr | 0.40 |
| 3 | Total Hydrocarbon (as HC) | VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21 | 0.077 | gm/kw-hr | 0.19 |
| 4 | Carbon Monoxide (as CO) | VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21 | 0.58 | gm/kw-hr | 3.5 |

End of Report



Reviewed By



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.



Test Report

Page No. 1/1

Sample Number : VEL/AP/06
Name & Address of the Party : M/s Elan Avenue Limited.
Residential Group Housing Colony Village-Pawala
Khusrupur, Sector-106, Gurgaon Manesar Urban
Complex, and Haryana.

Report No. : VEL/AP/2406010017
Format No : 7.8 F-03
Party Reference No : Nil
Reporting Date : 06/06/2024
Period of Analysis : 01/06/2024-06/06/2024
Receipt Date : 01/06/2024

Name of Sample : DG Noise
Sample Group : Atmospheric Pollution

General Information

Sampling Location : DG Set No.8026 (500 KVA)
Sample Collected By : VEL Representative (Mr. Sudesh)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/10
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 30/05/2024
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS 4758
Sampling duration (Minutes) : 30.0
Parameter Required : As per work order

| S.No. | Parameters | Test Method | Open the canopy of DG Set Results dB(A) | Close the canopy of DG Set (1.0 mtr. Distance) Result dB(A) | Insertion Loss |
|-----------------------|--------------------------|-------------|---|---|----------------|
| Discipline : Chemical | | | | | |
| 1 | Leq | IS: 4758 | 97.5 | 71.7 | 25.8 |
| 2 | CPCB Limit in Leq dB (A) | -- | -- | 75.0 (Max.) | 25.0 (Min.) |

End of Report

Reviewed By



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.



Test Report

Sample Number : VEL/AP/07
Name & Address of the Party : M/s Elan Avenue Limited.
Residential Group Housing Colony Village-Pawala
Khusrupur, Sector-106, Gurgaon Manesar Urban
Complex, and Haryana.

Report No. : VEL/AP/2406010018
Format No : 7.8 F-03
Party Reference No : Nil
Reporting Date : 06/06/2024
Period of Analysis : 01/06/2024-06/06/2024
Receipt Date : 01/06/2024

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

General Information

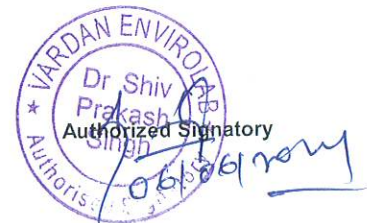
Sampling Location : DG Set Area
Sample Collected By : VEL Representative (Mr. Sudesh)
Date of Sampling : 30/05/2024
Sampling duration (Minutes) : 42.0
Stack attached to : DG Set (250 KVA)
Make of stack : MS
Type of Fuel Used : HSD
Diameter of stack(m) : 0.102 Mtr.
Height of stack(m) : 3.0 Mtr.
Instrument calibration status : Calibrated
Meteorological Condition : Clear Sky
Ambient Temperature - Ta (°C) : 48.0
Temperature of Stack Gases - Ts (°C) : 167.0
Velocity of Stack Gases (m/sec.) : 18.73
Flow rate of PM (LPM) : 22.0
Flow rate of Gas (LPM) : 2.0
Sampling condition : Isokinetic
Protocol used : IS 11255 & EPA

| S.No. | Test Parameters | Test Method | Results | Units | Limits as per CPCB |
|-----------------------|----------------------------|--|---------|----------|--------------------|
| Discipline : Chemical | | | | | |
| 1 | Particulate Matter (as PM) | IS:11255 (P-1) | 0.011 | gm/kw-hr | 0.02 |
| 2 | Oxide of Nitrogen (as NOx) | IS:11255 (P-7) | 0.256 | gm/kw-hr | 0.40 |
| 3 | Total Hydrocarbon (as HC) | VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21 | 0.066 | gm/kw-hr | 0.19 |
| 4 | Carbon Monoxide (as CO) | VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21 | 0.40 | gm/kw-hr | 3.5 |

End of Report



Reviewed By



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.



Test Report

Page No. 1/1

Sample Number : VEL/AP/08
Name & Address of the Party : M/s Elan Avenue Limited.
Residential Group Housing Colony Village-Pawala
Khusrupur, Sector-106, Gurgaon Manesar Urban
Complex, and Haryana.

Report No. : VEL/AP/2406010019
Format No : 7.8 F-03
Party Reference No : Nil
Reporting Date : 06/06/2024
Period of Analysis : 01/06/2024-06/06/2024
Receipt Date : 01/06/2024

Name of Sample : DG Noise
Sample Group : Atmospheric Pollution

General Information

Sampling Location : DG Set (250 KVA)
Sample Collected By : VEL Representative (Mr. Sudesh)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/10
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 30/05/2024
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS 4758
Sampling duration (Minutes) : 30.0
Parameter Required : As per work order

| S.No. | Parameters | Test Method | Open the canopy of DG Set Results dB(A) | Close the canopy of DG Set (1.0 mtr. Distance) Result dB(A) | Insertion Loss |
|-----------------------|--------------------------|-------------|---|---|----------------|
| Discipline : Chemical | | | | | |
| 1 | Leq | IS: 4758 | 98.1 | 72.6 | 25.5 |
| 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.



Test Report

Page No. 1/2

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

Report No. : VEL/PE/2406010005
Format No : 7.8 F-03
Party Reference No : Nil
Reporting Date : 06/06/2024
Period of Analysis : 01/06/2024-06/06/2024
Receipt Date : 01/06/2024
Sampling Date : 30/05/2024
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) | 7.54 | -- |
| 2 | Electrical Conductivity | IS :14767 | 0.261 | mS/cm |
| 3 | Colour | VEL/STP/EN/67, Issued No.- 01, 01/11/2021 | Yellowish Brown | -- |
| 4 | Water holding capacity | VEL/STP/EN/86, Issued No.- 01, 01/11/2021 | 36.47 | % |
| 5 | Bulk density | VEL/STP/EN/59, Issued No.- 01, 01/11/2021 | 1.43 | gm/cc |
| 6 | Chloride (as Cl) | VEL/STP/EN/69, Issued No.- 01, 01/11/2021 | 141.24 | mg/kg |
| 7 | Calcium (as Ca) | VEL/STP/EN/72, Issued No.- 01, 01/11/2021 | 144.56 | mg/kg |
| 8 | Sodium (as Na) | VEL/STP/EN/62, Issued No.- 01, 01/11/2021 | 146.09 | mg/kg |
| 9 | Potassium (as K) | VEL/STP/EN/61, Issued No.- 01, 01/11/2021 | 51.24 | mg/kg |
| 10 | Organic Matter | IS 2720 (P-22) | 0.56 | % |
| 11 | Magnesium (as Mg) | VEL/STP/EN/72, Issued No.- 01, 01/11/2021 | 18.41 | mg/kg |
| 12 | Available Nitrogen (as N) | IS:14684 | 168.33 | kg. /hec. |
| 13 | Available Phosphours | VEL/STP/EN/73, Issued No.- 01, 01/11/2021 | 31.08 | kg. /hec. |
| 14 | Total Zinc (as Zn) | VEL/STP/HW/03, Issued No.- 01, 01/11/2021 | 8.54 | mg/kg |
| 15 | Total Manganese (as Mn) | VEL/STP/HW/03, Issued No.- 01, 01/11/2021 | 11.41 | mg/kg |
| 16 | Total Chromium (as Cr) | VEL/STP/HW/03, Issued No.- 01, 01/11/2021 | 1.68 | mg/kg |
| 17 | Total Lead (as Pb) | VEL/STP/HW/03, Issued No.- 01, 01/11/2021 | 0.95 | mg/kg |
| 18 | Total Cadmium (as Cd) | VEL/STP/HW/03, Issued No.- 01, 01/11/2021 | BLQ(LOQ-0.5) | mg/kg |

Reviewed By

Authorized Signatory
Prakash
06/06/2024
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.



Test Report

Page No. 2/2

Sample Number : VEL/PE/01

Report No. : VEL/PE/2406010005

| S.No. | Parameters | Test Method | Results | Units |
|-------|----------------------|---|------------|-------|
| 19 | Total Copper (as Cu) | VEL/STP/HW/03, Issued No.- 01, 01/11/2021 | 2.21 | mg/kg |
| 20 | Soil Texture | VEL/STP/EN/64, Issued No.- 01, 01/11/2021 | 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 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. 1/3

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

Report No. : VEL/W/2406010006
Format No : 7.8 F 03
Party Reference No : Nil
Reporting Date : 06/06/2024
Period of Analysis : 01/06/2024-06/06/2024
Receipt Date : 01/06/2024
Sampling Date : 30/05/2024
Sampling Quantity : 5.0 Ltr. + 250 ml
Sampling Type : Garb

Name of Sample : Drinking Water
Sample Group : Water/Residues and contaminants in Water
Location : RO Plant
Sample Collected by : VEL Representative (Mr. Sudesh)
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 (P-11) | 7.42 | -- | 6.5 to 8.5 | No Relaxation |
| 2 | Colour,max | IS 3025 (P-4) | BLQ(LOQ-1.0) | Hazen | 5 | 15 |
| 3 | Turbidity,max | IS 3025 (P-10) | BLQ(LOQ-1.0) | NTU | 1 | 5 |
| 4 | Odour | IS 3025 (P-5) | Agreeable | -- | Agreeable | Agreeable |
| 5 | Taste | IS 3025 (P-8) | Agreeable | -- | Agreeable | Agreeable |
| 6 | Total Dissolved Solids (at 180°C ± 1°C),max | IS 3025 (P-16) | 126.0 | mg/L | 500 | 2000 |
| 7 | Calcium (as Ca),max | IS 3025 (P-40) | 22.14 | mg/L | 75 | 200 |
| 8 | Alkalinity (as CaCO3) | IS 3025 (P-23) | 76.00 | mg/L | 200 | 600 |
| 9 | Chloride (as Cl),max | IS 3025 (P-32) | 18.56 | mg/L | 250 | 1000 |
| 10 | Magnesium (as Mg),max | APHA,3500 Mg B | 6.96 | mg/L | 30 | 100 |
| 11 | Total Hardness (as CaCo3),max | IS 3025 (P-21) | 84.00 | mg/L | 200 | 600 |
| 12 | Sulphate (as SO4),max | IS 3025 (P-24) | 5.32 | mg/L | 200 | 400 |
| 13 | Fluoride (as F),max | APHA 4500 F D | 0.26 | mg/L | 1.0 | 1.5 |
| 14 | Nitrate (as NO3),max | IS: 3025(P-34) Chromotropic Method | 1.22 | mg/L | 45.0 | No Relaxation |
| 15 | Iron (as Fe),max | VEL/STP/ICP/W-01, Issue No. -01, Issue date 01/11/2021 | BLQ(LOQ-0.01) | mg/L | 1.0 | No Relaxation |
| 16 | Aluminium (as Al),max | VEL/STP/ICP/W-01, Issue No. -01, Issue date 01/11/2021 | BLQ(LOQ-0.005) | mg/L | 0.03 | 0.2 |



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

Sample Number : VEL/AP/01

Report No. : VEL/W/2406010006

| S.No. | Test Parameters | Test Method | Results | Units | Requirement as per IS:10500-2012# | |
|-------|----------------------------------|--|----------------|-------|-----------------------------------|--------------------|
| | | | | | Acceptable Limits | Permissible Limits |
| 17 | Boron (as B),max | VEL/STP/ICP/W-01, Issue No. -01, Issue date 01/11/2021 | BLQ(LOQ-0.01) | mg/L | 0.5 | 2.4 |
| 18 | Total Chromium (as Cr),max | VEL/STP/ICP/W-01, Issue No. -01, Issue date 01/11/2021 | BLQ(LOQ-0.02) | mg/L | 0.05 | No Relaxation |
| 19 | Phenolic Compounds (C6H5OH),max | IS 3025 (P-43) | BLQ(LOQ-0.005) | mg/L | 0.001 | 0.002 |
| 20 | Mineral Oil,max | IS:3025 (P-39) | BLQ(LOQ-0.1) | mg/L | 1.0 | No Relaxation |
| 21 | Anionic Detergents (as MBAS),max | IS 3025(Part-68) | BLQ(LOQ-0.05) | mg/L | 0.2 | 1.0 |
| 22 | Zinc (as Zn),max | VEL/STP/ICP/W-01, Issue No. -01, Issue date 01/11/2021 | BLQ(LOQ-0.01) | mg/L | 5.0 | 15.0 |
| 23 | Copper (as Cu),max | VEL/STP/ICP/W-01, Issue No. -01, Issue date 01/11/2021 | BLQ(LOQ-0.02) | mg/L | 0.05 | 1.5 |
| 24 | Manganese (as Mn),max | VEL/STP/ICP/W-01, Issue No. -01, Issue date 01/11/2021 | BLQ(LOQ-0.01) | mg/L | 0.1 | 0.3 |
| 25 | Selenium (as Se),max | VEL/STP/ICP/W-01, Issue No. -01, Issue date 01/11/2021 | BLQ(LOQ-0.01) | mg/L | 0.01 | No Relaxation |
| 26 | Cadmium (as Cd),max | VEL/STP/ICP/W-01, Issue No. -01, Issue date 01/11/2021 | BLQ(LOQ-0.02) | mg/L | 0.003 | No Relaxation |
| 27 | Lead (as Pb),max | VEL/STP/ICP/W-01, Issue No. -01, Issue date 01/11/2021 | BLQ(LOQ-0.02) | mg/L | 0.01 | No Relaxation |
| 28 | Cyanide (as CN),max | IS 3025 (P-27) | BLQ(LOQ-0.02) | mg/L | 0.05 | No Relaxation |
| 29 | Arsenic (as As),max | VEL/STP/ICP/W-01, Issue No. -01, Issue date 01/11/2021 | BLQ(LOQ-0.05) | mg/L | 0.01 | No Relaxation |
| 30 | Mercury (as Hg),max | VEL/STP/ICP/W-01, Issue No. -01, Issue date 01/11/2021 | BLQ(LOQ-0.005) | mg/L | 0.001 | No Relaxation |

Reviewed By

Prakash Singh
Tech. Manager
06/06/2024
GURGAON

Authorized Signatory

Prakash Singh
06/06/2024
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.



Test Report

Sample Number : VEL/AP/01

Report No. : VEL/W/2406010006

| 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



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.

AAI/RH8/NR/ATM/NOC/2022/237/1002-05

मालिक का नाम एवं पता
OWNERS Name & Address

M/s Airmid Developers Limited and others
Plot No.448-451, Udyog Vihar, Phase V, Gurugram

दिनांक/DATE:
वैधता/ Valid Up to:

05-05-2022
04-05-2030

**ऊँचाई की अनुमति हेतु अनापत्ति प्रमाण पत्र (एनओसी)
No Objection Certificate for Height Clearance**

1) यह अनापत्ति प्रमाण पत्र भारतीय विमानपत्तन प्राधिकरण (भाविप्रा) द्वारा प्रदत्त दायित्वों के अनुक्रम तथा सुरक्षित एवं नियमित विमान प्रचालन हेतु भारत सरकार (नागर विमानन मंत्रालय) की अधिसूचना जी. एस. आर. 751 (ई) दिनांक 30 सितम्बर, 2015, जी. एस. आर. 770 (ई) दिनांक 17 दिसंबर 2020 द्वारा संशोधित, के प्रावधानों के अंतर्गत दिया जाता है।

1. This NOC is issued by Airports Authority of India (AAI) in pursuance of responsibility conferred by and as per the provisions of Govt. of India (Ministry of Civil Aviation) order GSR751 (E) dated 30th Sep.2015 amended by GSR770(E) dated 17th Dec 2020 for safe and Regular Aircraft Operations.

2) इस कार्यालय को निम्नलिखित विवरण के अनुसार प्रस्तावित संरचना के निर्माण पर कोई आपत्ति नहीं है।

2. This office has no objection to the construction of the proposed structure as per the following details:

| | |
|---|--|
| अनापत्ति प्रमाणपत्र आईडी / NOC ID | PALM/NORTH/B/042022/667474 |
| आवेदक का नाम / Applicant Name* | Bimal Kumar Srivastava |
| स्थल का पता / Site Address* | Rect. No. 17, Killa No. 20, 21/1, 21/2, 22/1 Rect. No. 18, Killa No. 16/1, 16/2, 24, 25/1, 25/2, Rect. No. 23, Killa No. 5/2, Rect. No. 24, Killa No. 1, 2/1/1, 9/2, 10/1, Rect. No. 18, Killa No. 13/2, 14, 15/1, 16/1 Min16/2 Min, 17, 18/1, 22/1, 23, 24,27, Rect. No. 23, Killa No. 4/1, Rect. No. 24, Killa No. 2/1/2/1, 2/1/2/2 At Village Pawala Khusrupur, Sector 106, Gurugram, Haryana,khusrupur,Gurgaon,Haryana |
| स्थल के निर्देशांक / Site Coordinates* | 28 30 09.17N 77 00 13.91E, 28 30 11.41N 77 00 14.17E, 28 30 07.47N 77 00 14.84E, 28 30 11.39N 77 00 16.04E, 28 30 13.14N 77 00 16.08E, 28 30 13.09N 77 00 19.27E, 28 30 05.58N 77 00 20.26E, 28 30 11.33N 77 00 20.86E, 28 30 03.96N 77 00 21.29E, 28 30 05.45N 77 00 21.30E, 28 30 08.19N 77 00 23.81E, 28 30 03.51N 77 00 24.46E, 28 30 07.15N 77 00 24.84E, 28 30 05.38N 77 00 26.22E |
| स्थल की ऊँचाई एएमएसएल मीटर में (औसतन समुद्र तल से ऊपर), (जैसा आवेदक द्वारा उपलब्ध कराया गया) / Site Elevation in mtrs AMSL as submitted by Applicant* | 214.45 M |
| अनुमन्य अधिकतम ऊँचाई एएमएसएल मीटर में (औसतन समुद्र तल से ऊपर) / Permissible Top Elevation in mtrs Above Mean Sea Level(AMSL) | 339.45 M |

* जैसा आवेदक द्वारा उपलब्ध कराया गया / As provided by applicant*

3) यह अनापत्ति प्रमाण पत्र निम्नलिखित नियम व शर्तों के अधीन है: -

3. This NOC is subject to the terms and conditions as given below:

क) आवेदक द्वारा उपलब्ध कराए गए स्थल की ऊँचाई तथा निर्देशांक को, प्रस्तावित संरचना हेतु अनुमन्य अधिकतम ऊँचाई जारी करने के लिए प्रयोग किया गया है। भारतीय विमान पत्तन प्राधिकरण, आवेदक द्वारा उपलब्ध कराये गए स्थल की ऊँचाई तथा निर्देशांक की यथार्थता का ना तो उत्तरदायित्व वहन करता है, और ना ही इनको प्रमाणीकृत करता है। यदि किसी भी स्तर पर यह पता चलता है कि वास्तविक विवरण, आवेदक द्वारा उपलब्ध कराए गए विवरण से भिन्न है, तो यह अनापत्ति प्रमाण पत्र अमान्य माना जाएगा तथा कानूनी कार्यवाही की जाएगी। सम्बंधित विमान क्षेत्र के प्रभारी अधिकारी द्वारा एयरक्राफ्ट नियम 1994 (भवन, वृक्षों आदि के कारण अवरोध का विध्वंस) के अधीन कार्यवाही की जायेगी।

a. Permissible Top elevation has been issued on the basis of Site coordinates and Site Elevation submitted by Applicant. AAI neither owns the responsibility nor authenticates the correctness of the site coordinates & site elevation provided by the applicant. If at any stage it is established that the actual data is different, this NOC will stand null and void and action will be taken as per law. The officer in-charge of the concerned aerodrome may initiate action under the Aircraft (Demolition of Obstruction caused by Buildings and Trees etc.) Rules, 1994".

ख) अनापत्ति प्रमाण पत्र के आवेदन में आवेदक द्वारा उपलब्ध कराए गए स्थल निर्देशांक को सड़क दृश्य मानचित्र और उपग्रह मानचित्र पर अंकित किया गया है जैसा कि अनुलग्नक में दिखाया गया है। आवेदक / मालिक यह सुनिश्चित करे कि अंकित किए गए निर्देशांक उसके स्थल से मेल खाते हैं। किसी भी विसंगति के मामले में, नामित अधिकारी को अनापत्ति प्रमाण पत्र रद्द करने के लिए अनुरोध किया जाएगा।

b. The Site coordinates as provided by the applicant in the NOC application has been plotted on the street view map and satellite map as shown in ANNEXURE. Applicant/Owner to ensure that the plotted coordinates corresponds to his/her site. In case of any discrepancy, Designated Officer shall be requested for cancellation of the NOC.

ग) एयरपोर्ट संचालक या उनके नामित प्रतिनिधि, अनापत्ति प्रमाण पत्र नियमों और शर्तों का अनुपालन सुनिश्चित करने के लिए स्थल (आवेदक या मालिक के साथ पूर्व समन्वय के साथ) का दौरा कर सकते हैं।

c. Airport Operator or his designated representative may visit the site (with prior coordination with applicant or owner) to ensure that NOC terms & conditions are complied with.

घ) संरचना की ऊँचाई (सुपर स्ट्रक्चर सहित) की गणना अनुमन्य अधिकतम ऊँचाई (ए एम एस एल) से स्थल की ऊँचाई को घटाकर की जायेगी। अर्थात्, संरचना की अधिकतम ऊँचाई = अनुमन्य अधिकतम ऊँचाई (-) स्थल की ऊँचाई।

d. The Structure height (including any superstructure) shall be calculated by subtracting the Site elevation in AMSL from the Permissible Top Elevation in AMSL i.e. Maximum Structure Height = Permissible Top Elevation minus (-) Site Elevation.

च) अनापत्ति प्रमाण पत्र जारी करना, भारतीय एयरक्राफ्ट एक्ट 1934, के सैक्शन 9-A तथा इसके अंतर्गत समय-समय पर जारी अधिसूचनाएं तथा एयरक्राफ्ट नियम (1994 भवन, वृक्षों आदि के कारण अवरोध का विध्वंस) के अधीन है।



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

PALM/NORTH/B/042022/667474

e. The issue of the 'NOC' is further subject to the provisions of Section 9-A of the Indian Aircraft Act, 1934 and any notifications issued there under from time to time including, "The Aircraft (Demolition of Obstruction caused by Buildings and Trees etc.) Rules, 1994".

छ) कोई भी रेडियो/ टीवी एन्टीना, लाइटनिंग अरेस्टर, सीढिया, मुमटी, पानी की टंकी अथवा कोई अन्य वस्तु तथा किसी भी प्रकार के संलग्न उपकरण पैरा 2 में उल्लेखित अनुमन्य अधिकतम ऊँचाई से ऊपर नहीं जानी चाहिए।

f. No radio/TV Antenna, lightening arresters, staircase, Mumty, Overhead water tank or any other object and attachments of fixtures of any kind shall project above the Permissible Top Elevation as indicated in para 2.

ज) विमानक्षेत्र संदर्भ बिंदु के 8 KM के भीतर तेल, बिजली या किसी अन्य ईंधन का उपयोग जो उड़ान संचालन के लिए धुएं का खतरा पैदा नहीं करता है, ही मान्य है।

g. Use of oil, electric or any other fuel which does not create smoke hazard for flight operation is obligatory, within 8 KM of the Aerodrome Reference Point

झ) यह प्रमाणपत्र इसके जारी होने की तारीख से 8 साल की अवधि के लिए वैध है। एक बार रिवेलीडेशन की अनुमति दी जा सकती है, बशर्ते कि इस तरह का अनुरोध एनओसी की समाप्ति की तारीख से छह महीने के भीतर किया जाए और प्रारंभिक प्रमाणपत्र 8 साल की वैधता अवधि के भीतर प्राप्त किया जाए।

h. The certificate is valid for a period of 8 years from the date of its issue. One-time revalidation shall be allowed, provided that such request shall be made within six months from the date of expiry of the NOC and commencement certificate is obtained within initial validity period of 8 years.

ट) भवन के निर्माण के दौरान या उसके बाद किसी भी समय स्थल पर ऐसी कोई भी लाइट या लाइटों का संयोजन नहीं लगाया जाएगा जिसकी तीव्रता, आकृति या रंग के कारण वैमानिक ग्राउंड लाइटों के साथ भ्रम उत्पन्न हो। विमान के सुरक्षित प्रचालन को प्रभावित करने वाली कोई भी गतिविधि मान्य नहीं होगी।

i. No light or a combination of lights which by reason of its intensity, configuration or colour may cause confusion with the aeronautical ground lights of the Airport shall be installed at the site at any time, during or after the construction of the building. No activity shall be allowed which may affect the safe operations of flights.

ठ) आवेदक द्वारा विमानपत्तन पर या उसके आसपास विमान से उत्पन्न शोर, कंपन या विमान प्रचालन से हुई किसी भी क्षति के विरुद्ध कोई शिकायत/दावा नहीं किया जाएगा।

j. The applicant will not complain/claim compensation against aircraft noise, vibrations, damages etc. caused by aircraft operations at or in the vicinity of the airport.

ड) डे मार्किंग तथा सहायक विद्युत आपूर्ति सहित नाइट लाइटिंग (डीजीसीए भारत की वेबसाइट www.dgca.nic.in पर उपलब्ध) नागर विमानन आवश्यकताएं श्रृंखला 'बी' पार्ट I। सैक्शन-4 के चैप्टर 6 तथा अनुलग्नक 6 में विनिर्दिष्ट दिशानिर्देशों के अनुसार उपलब्ध कराई जाएंगी।

k. Day markings & night lighting with secondary power supply shall be provided as per the guidelines specified in chapter 6 and appendix 6 of Civil Aviation Requirement Series 'B' Part I Section 4, available on DGCA India website: www.dgca.nic.in

ढ) भवन के नक्शे के अनुमोदन सहित अन्य सभी वैधानिक अनापत्ति, संबंधित प्राधिकरणों से लेना आवेदक की जिम्मेदारी होगी, क्योंकि इस ऊँचाई हेतु अनापत्ति प्रमाणपत्र लेने का उद्देश्य सुरक्षित एवं नियमित विमान प्रचालन सुनिश्चित करना है तथा इसे भूमि के स्वामित्व आदि सहित किसी अन्य उद्देश्य/ दावे के लिए दस्तावेज के रूप में प्रयोग नहीं किया जा सकता।

l. The applicant is responsible to obtain all other statutory clearances from the concerned authorities including the approval of building plans. This NOC for height clearances is only to ensure safe and regular aircraft operations and shall not be used as document for any other purpose/claim whatsoever, including ownership of land etc.

ण) इस अनापत्ति प्रमाणपत्र आईडी का मूल्यांकन Chillarki, I.G.I Airport, Rohini Heliport, Safdarjung Airport, Sampla विमानक्षेत्रों के संबंध में किया गया है। यह अनापत्ति प्रमाणपत्र भारतीय विमान पत्तन प्राधिकरण के विमानक्षेत्रों और अन्य लाइसेंस प्राप्त सिविल विमानक्षेत्रों, जो जी. एस. आर. 751 (ई) जी. एस. आर. 770 (ई) द्वारा संशोधित के अनुसूची - III, अनुसूची - IV (भाग- I), अनुसूची- IV (भाग -2; केवल RCS हवाई अड्डे) और अनुसूची- VII में सूचीबद्ध हैं, के लिए जारी किया गया है।

m. This NOC ID has been assessed with respect to the Chillarki, I.G.I Airport, Rohini Heliport, Safdarjung Airport, Sampla Airports. NOC has been issued w.r.t. the AAI Aerodromes and other licensed Civil Aerodromes as listed in Schedule - III, Schedule - IV (Part-I), Schedule- IV (Part-2; RCS Airports Only) and Schedule-VII of GSR 751(E) amended by GSR770(E)

त) यदि स्थल रक्षा विभाग के विमान क्षेत्र के अधिकार क्षेत्र में आता है, जैसा कि जीएसआर 751 (ई) की अनुसूची-V में सूचीबद्ध है, तो आवेदक को रक्षा विभाग से अलग से अनापत्ति प्रमाणपत्र लेना होता है। जीएसआर 751 (ई) जी. एस. आर. 770 (ई) द्वारा संशोधित के नियम 13 के अनुसार, आवेदकों को उन स्थलों के लिये, जो जीएसआर 751 (ई) जी. एस. आर. 770 (ई) द्वारा संशोधित के अनुसूची- IV (भाग -2; आरसीएस हवाई अड्डों के अलावा) के रूप में सूचीबद्ध बिना लाइसेंस वाले विमान क्षेत्र के अधिकार क्षेत्र में आता है, तो संबंधित राज्य सरकार से भी अनापत्ति प्रमाणपत्र लेने की आवश्यकता है।

n. Applicant needs to seek separate NOC from Defence, if the site lies within the jurisdiction of Defence Aerodromes as listed in Schedule - V of GSR 751 E amended by GSR770(E). As per rule 13 of GSR 751 E amended by GSR770(E), applicants also need to seek NOC from the concerned state government for sites which lies in the jurisdiction of unlicensed aerodromes as listed in Schedule-IV (Part-2; other than RCS airports) of GSR 751 E amended by GSR770(E)

थ) अनापत्ति प्रमाण पत्र (एनओसी) की किसी भी त्रुटि/व्याख्या की स्थिति में अंगरेजी अनुवाद ही मान्य होगा।

o. In case of any discrepancy/interpretation of NOC letter, English version shall be valid.

द) स्थल की ऊँचाई और/या संरचना की ऊँचाई के किसी भी विवाद में अनुमन्य अधिकतम ऊँचाई एएमएसएल में ही मान्य होगी।

p. In case of any dispute with respect to site elevation and/or AGL height, Permissible Top Elevation in AMSL shall prevail.

क्षेत्र का नाम / Region Name: उत्तर/NORTH

| | |
|--|---|
| पदनामित अधिकारी/Designated Officer नाम/ पदनाम/दिनांक सहित हस्ताक्षर Name/Designation/Sign with date | ममिंदर सिंह/Manminder Singh महाप्रबंधक (एटीएम) / General Manager (ATM) भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India प्रचलन कार्यालय, क्षेत्रीय मुख्यालय (उत्तर क्षेत्र) / Operational Offices, RHQ (NR) मुक्तम रोड, रंगपुरी, नई दिल्ली-37 / C/Anugram Road, Rangpuri, New Delhi-37 |
| द्वारा तैयार Prepared by | Deepak Verma DMK (ATM) |
| द्वारा जांचा गया Verified by | Dheeraj Kumar DMK (ATM) |

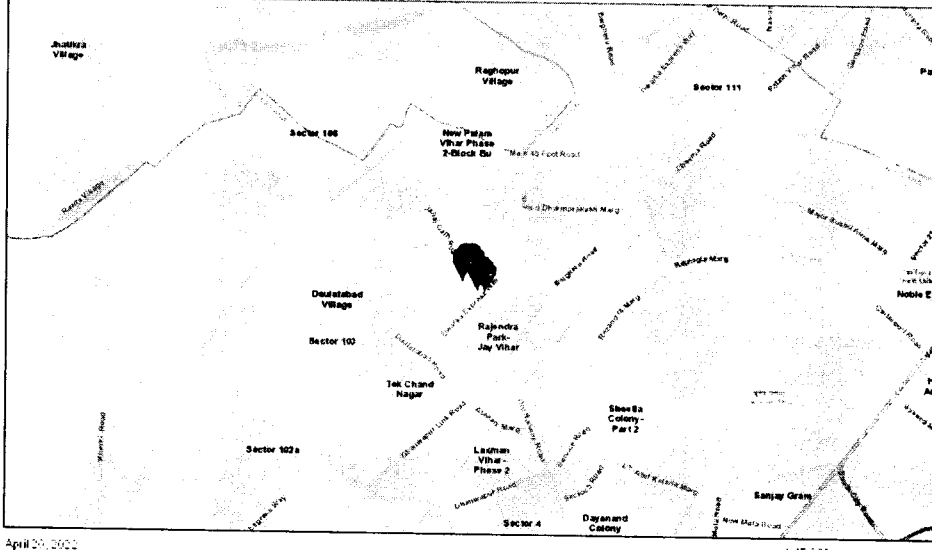
ईमेल आईडी / EMAIL ID : noc_nr@aai.aero
फोन/ Ph: 011-25653551

ANNEXURE/अनुलग्नक

Distance From Nearest Airport And Bearing/निकटतम विमानक्षेत्र से दूरी और बीयरिंग

| Airport Name/विमानक्षेत्र का नाम | Distance (Meters) from Nearest ARP/ निकटतम विमानक्षेत्र संदर्भ बिंदु से दूरी (मीटर में) | Bearing(Degree) from Nearest ARP/निकटतम विमानक्षेत्र संदर्भ बिंदु से बीयरिंग (डिग्री) |
|----------------------------------|---|---|
| Chillarki | 37280.19 | 61.78 |
| I.G.I Airport | 12683.61 | 233.33 |
| Rohini Heliport | 28015.79 | 189.69 |
| Safdarjung Airport | 21592.08 | 243.78 |
| Sampla | 39428.86 | 151.77 |
| NOCID | PALM/NORTH/B/042022/667474 | |

Street View



क्षेत्रीय मुख्यालय उत्तरी क्षेत्र, परिचालन कार्यालय परिसर रंगपुरी, नई दिल्ली - 110037 दूरभाष संख्या - 91-11-25653566
Regional headquarter Northern Region, Operational Offices Complex Rangpuri, New Delhi-110 037 Tel: 91-11-25653566

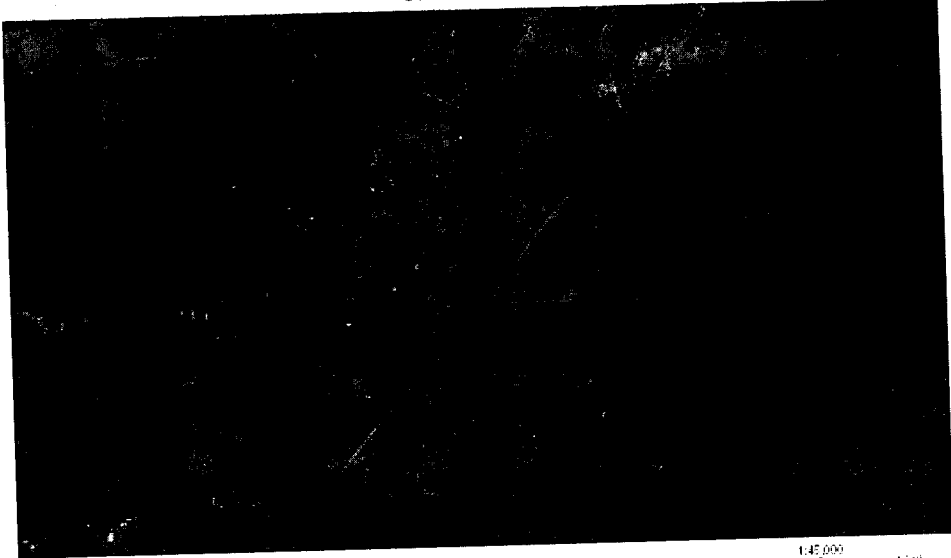
" हिंदी पत्रों का स्वागत है ।"



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

PALM/NORTH/B/042022/667474

Satellite View



April 20, 2022

0 0.33 0.65 1.3 mi
0 0.5 1 2 km
1:45,000
AAI, New Delhi

प्रेषक

नायब तहसीलदार
कादीपुर।

सेवा में,

उपायुक्त महोदय
गुरुग्राम।

क्रमांक : 3111 /रीडर दिनांक: 20-9-2022

विषय:-

Setting up a proposed residential group housing colony/commercial colony/mixed land use over an area measuring 28.95 acres in the revenue estate of village Pawala khusrupur, Sector-106, Gurugram, Haryana, Aravali NOC.

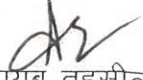
उपरोक्त विषय पर आपके कार्यालय के पत्र क्रमांक 4788/एम0बी0 दिनांक 07.09.2022 के सन्दर्भ में।

विषयाधीन मामले में रिपोर्ट पटवारी हल्का से ली गई। रिपोर्ट पटवारी हल्का अनुसार मौजा पवाला खुसरूपुर उपतहसील कादीपुर जिला गुरुग्राम की मांगी गई रिपोर्ट बिन्दूवार निम्न प्रकार है।

1. प्रार्थना पत्र में वर्णित खसरा नम्बरान 18//21-22/2, 19//16/2-19/1-20-21/1-21/2-22/1-22/2-23-24-25, 20//16-25, 21//5, 22//1/1-1/2/1-1/2/2-2/1/1-2/1/2-2/2-2/3-3-4-5-6-7-8-9/1-9/2-10-12/1-12/2-13-14-15/1-18/2-18/3-26-27, 23//1-2-3-9/2-10 उपरोक्त सभी खसरा नम्बरान दिनांक 07.05.1992 के नोटिफिकेशन अनुसार अरावली क्षेत्र से बहार है।
2. उपरोक्त अराजी खसरा नम्बरान दिनांक 07.05.1992 के नोटिफिकेशन के पूर्व व उसके पश्चात मिसल हकीयत/चकबन्दी तक कभी भी अराजी मुतनाजा की किस्म गैर मुमकिन पहाड़, गैर मुमकिन राडा, गैर मुमकिन बीहड़, बंजर बीहड़ या रूद्र नहीं रही है।
3. उपरोक्त अराजी खसरा नम्बरान दिनांक 07.05.1992 के नोटिफिकेशन से पूर्व अराजी मुतनाजा की किस्म चाही व गैर मुमकिन व पश्चात चाही, बंजर कदीम, बंजर जदीद व गैर मुमकिन है।
4. उपरोक्त अराजी मुतनाजा मिसल हकीयत/चकबन्दी ता हाल कभी भी शामलात देह/पंचायत देह/नगरपालिका/नगरनिगम की मलकीयत नहीं रही है।
5. उपरोक्त अराजी खसरा नम्बरान अराजी मुतनाजा पर राजस्व रिकार्ड के खाना कैफियत में किसी प्रकार का कोर्ट केश वगैरा या स्टे का इन्द्राज नहीं है।
6. उपरोक्त अराजी खसरा नम्बरान अनुसार राजस्व रिकार्ड SEZ(Special Economical Zone) में नहीं आते है।
7. प्रार्थना पत्र में वर्णित खसरा नम्बरान में धारा 4-6 व अवार्ड बारे राजस्व रिकार्ड के खाना कैफियत में कोई इन्द्राज नहीं है।
8. उपरोक्त अराजी मुतनाजा खेवट/खाता नं0 39/39 व 572/574 मिन मु0/किला नम्बरान 18//21(8-0)-22/2(4-0), 19//16/2(4-0)-24(8-0)-25(8-0), 22//5(7-3)-6(8-0)-7(8-0)-15/1(4-0)-27(0-17), 23//1(8-0)-2(8-0)-3(4-7)-9/2(3-9)-10(7-13) कित्ता 15 रकबा 91 कनाल 9 मरला सालम की बरूवे जमाबन्दी साल 2017-18 व बरूवे ई0नं0 3696 बैय 3863 तकसीम व बदर नं0 1 की रूह से मै0 एयरमिड डवलपर्स लि0 मालिक है व खेवट/खाता नं0 40/40-42/42-37/37-141/141-189/190-498/500, 19//19/1(5-12)-20(8-0) 21/1(7-16)-21/2(0-4)-22/1(3-8)-22/2(4-0) -23(8-0), 20//16(8-0) - 25(8-0),

21/ /5(5-12), 22/ /1/1(6-5), 1/2/1(0-12), 1/2/2(1-3)-2/1/1(1-0)-2/1/2
(0-10)-2/2(8-0)-3(8-0)-4(8-0)-8(8-0)-9/2(3-12)-10(5-16)-12/1(2-0)-13(8-0)
-14(8-7)-18/2(3-5) किता 25 रकबा 125 कनाल 9 मरला सालम की बरूवे जमाबन्दी साल
2017-18 की रूह से मै० मरियाणा डवलपर्स लि० मालिक है व खेवट/खाता नं० 191/192
मु०/किला नं० 22/ /2/3(3-3)-9/1(4-8)-12/2(5-3)-18/3(1-3) किता 4 रकबा 13
कनाल 17 मरला की बरूवे जमाबन्दी साल 2017-18 की रूह से मै० अलबीना प्रोपर्टीज लि०
सालम की मालिक है। व खेवट/खाता नं० 193/194 मु०/किला नं० 22/ /26 किता 1 रकबा 0
कनाल 17 मरला का 4427/4678 भाग बकदर 0 कनाल 16 मरला की बरूवे जमाबन्दी साल
2017-18 की रूह से मै० अलबीना प्रोपर्टीज लि० 254/2339 भाग व मै० मरियाणा डवलपर्स लि०
1081/2339 भाग व मै० क्लौरा लैण्ड डवलपमेन्ट 1757/4678 भाग की मालकान है।

रिपोर्ट पटवारी साथ संलग्न करके आपकी सेवा में आगामी कार्यवाही हेतु प्रेषित है।


नायब तहसीलदार
कादीपुर (गुरुग्राम)

OFFICE OF THE EXECUTIVE ENGINEER-V, SEW. DIVISION, GMDA, GURUGRAM
Address : 6th Floor, Plot No. 3, Sector-44, Gurugram, E-mail -xen4infra2.gmda@gov.in

To,

M/s Airmid Developers Limited,
Mariana Developers Limited &
Albina Properties Limited,
15th Floor, Two Horizon Center,
Sector - 42, Golf Course Road,
Gurugram, Haryana

Memo No. GMDA/SEW/2022/1058

Dated. 08-09-2022

Sub: -

Assurance for Sewerage Connection for discharge of 300 KLD surplus treated domestic effluent in Master Sewer line after commissioning of proposed Residential Group Housing Colony area measuring 24.10 Acres (License No. 80 of 2012 dt. 17.08.2012 valid upto 16.08.2024) falling in village - Pawala Khusrupur, Sector-106, Gurugram, Haryana being developed by M/s Airmid Developers Limited, M/s Mariana Developers Limited & M/s Albina Properties Limited,

Ref :-

Your office letter on dated 07.09.2022.

In this regard, it is submitted that the Sewerage connection in Master Sewer line for disposal of 300 KLD surplus domestic treated after commissioning of proposed Residential Group Housing Colony area measuring 24.10 Acres (License No. 80 of 2012 dt. 17.08.2012 valid upto 16.08.2024) falling in village - Pawala Khusrupur, Sector-106, Gurugram, Haryana being developed by your firm could be given after completion of the Master Sewer line in the area.

The sewerage connection for your above said project for discharge of surplus treated waste water will only be accorded after applied on Online portal of GMDA.


Executive Engineer -V
Sew. Division, GMDA
Gurugram

C.C. :-

1. The Chief Engineer, Infra -II, GMDA, Gurugram.
2. The Superintending Engineer -III, Infra -II, GMDA, Gurugram.
3. The Head I.T., GMDA, Gurugram

To,

M/s Airmid Developers Limited,
Mariana Developers Limited &
Albina Properties Limited,
15th Floor, Two Horizon Center,
DLF Phase -V, Golf Course Road,
Sector - 43, Gurugram, Haryana

Memo No. GMDM/SEW/2022/999

Dated. 01-09-2022

Sub: - Assurance for supply of 144 KL per day STP treated water for construction purpose of the Residential Group Housing Colony area measuring 24.10 Acres (License No. 80 of 2012 dt. 17.08.2012 valid upto 16.08.2024) falling in village - Pawala Khusrupur, Sector-106, Gurugram, Haryana being developed by M/s Airmid Developers Limited, M/s Mariana Developers Limited & M/s Albina Properties Limited.

Ref :- Your office letter dated 31.08.2022.

With reference to the above cited subject, it is intimated that 144 KLD tertiary treated water is available at STP Dhanwapur Gurugram. The tertiary treated water can be purchased from STP with your own transportation arrangement through Online portfolio of GMDA..


Executive Engineer -V
Sew. Division, GMDA
Gurugram

C.C. :-

1. The Chief Engineer, Infra -II, GMDA, Gurugram.
2. The Superintending Engineer -III, Infra -II, GMDA, Gurugram.
3. The Head I.T., GMDA, Gurugram



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

To,

The Authorized Signatory
AIRMID DEVELOPERS LIMITED
01-1001, Wework, Blue One square, Udyog Vihar, Phase-4, Gurugram,
Haryana -122016

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/INFRA2/402402/2022 dated 29 Oct 2022. The particulars of the
environmental clearance granted to the project are as below.

- | | |
|---|---|
| 1. EC Identification No. | EC22B000HR161013 |
| 2. File No. | SEIAA/HR/2022/243 |
| 3. Project Type | New |
| 4. Category | B |
| 5. Project/Activity including Schedule No. | N/A |
| 6. Name of Project | Proposed Residential Group Housing Colony in the Revenue Estate of Village: Pawala Khusrupur, Sector-106, Gurgaon Manesar Urban Complex, and Haryana is being developed by Airmid Developers Ltd and Others. |
| 7. Name of Company/Organization | AIRMID DEVELOPERS LIMITED |
| 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: 05/12/2022

(e-signed)
Pardeep Kumar, IAS
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)



Subject: Environment Clearance for Proposed Residential Group Housing Colony in the Revenue Estate of Village Pawala Khusrupur, Sector-106, Gurgaon Manesar Urban Complex, Haryana by M/s Airmid Developers Ltd and Others.

1. This has reference to your Proposal No. **SIA/HR/INFRA2/402402/2022 dated 29.10.2022** and subsequent letter dated 14.11.2022 for obtaining Environmental Clearance under category 8(b) of EIA Notification dated 14.09.2006 along with submission of **due Scrutiny fee (as applicable) of Rs. 2,00,000/- vide DD No. 061146 dated 30.08.2022 (in compliance of Haryana Government, Environment & Climate Change, Department Notification No. DE&CCH/3060 dated 14.10.2021)**. 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, EIA/EMP on the basis of approved TOR 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 21.02.2022, in its meeting held on 14.11.2022 awarded “Gold” rating / grading to the Project.
2. It is inter-alia, noted that the project involves the EC for Residential Group Housing Colony in the Revenue Estate of Village Pawala Khusrupur, Sector-106, Gurgaon Manesar Urban Complex, Haryana.
3. The details of project are as under:

| Sr. No. | Particulars | |
|---------|---|--|
| 1. | Online Proposal Number | SIA/HR/INFRA2/402402/2022 |
| 2. | Latitude | 28°30'5.97"N |
| 3. | Longitude | 77° 0'4.96"E |
| 4. | Plot Area | 97,529.085 m ² / 24.10 Acres |
| 5. | Net Plot Area | 97,529.085 m ² / 24.10 Acres |
| 6. | Proposed Ground Coverage (21.445%) | 20,916.000 m ² |
| 7. | Proposed FAR | 3,15,256.85 m ² |
| 8. | Non FAR Area | 1,58,688.000 m ² |
| 9. | Total Built Up area | 4,73,945.000 m ² |
| 10. | Total Green Area with (25.21% of plot area) | 24,587.9630 m ² |
| 11. | Rain Water Harvesting Pits (with size) | 24 RWH Pits Length: 4 Meter Width: 3 Meter Depth: 4.7 Meter Volume of a Single Pit: 56.40 M ³ |
| 12. | STP Capacity | 1070 KLD |
| 13. | Total Parking | 3,049 ECS |

| | | |
|-----|------------------------------------|--|
| 14. | Organic Waste Converter | Total 7 nos. of OWC of capacity 4,750 Kg/day (2×1,250, 4×500 & 1×250 Kg/day) |
| 15. | Maximum Height of the Building (m) | 133.90 m till terrace floor |
| 16. | Power Requirement | 13,407 KW (14,897 KVA) |
| 17. | Power Backup | 9 nos. DG sets of total capacity of 15000 KVA i.e. (4no.×2000 kva+4no.×1500 kva+1no.×1000 kva) |
| 18. | Water Requirement | 1178 KLD |
| 19. | Domestic Water Requirement | 739 KLD |
| 20. | Fresh Water Requirement | 739 KLD |
| 21. | Treated Water | 439 KLD |
| 22. | Waste Water Generated | 887 KLD |
| 23. | Solid Waste Generated | 6463 Kg/day |
| 24. | Biodegradable Waste | 3,878 Kg/day |
| 25. | Basement | 3 nos |
| 26. | Number of Towers | 11 |
| 27. | Dwelling Units/ EWS | Dwelling Units: 1232 EWS : 218 Servant Units: 896 |
| 28. | Community Center area (Club House) | 9290 m ² |
| 29. | Commercial area | 584.00 m ² |
| 30. | Aganwadi cum Crenche | NA |
| 31. | Stories | Stilt/Ground Floor to 39th Floor |
| 32. | R+U Value of Material used (Glass) | U Value: 5.5 w/sqm k SHGC: 0.9 |
| 33. | Total Cost of the project | Land Cost Construction Cost Total Cost of Project: 1124 Cr. |
| 34. | EMP Budget | EMP Budget: 2248 Lakhs. |
| 35. | Incremental Load in respect of: | PM _{2.5} 0.2365 PM ₁₀ 0.6286 SO ₂ 1.72629 NO ₂ 2.42353 CO 0.000727 |

EMP Details

| During Construction Phase | | | During Operation Phase | | |
|--|-------------------------|--------------------------------------|---|-------------------------|---------------------------------------|
| Description | Capital Cost (In Lakhs) | Recurring Cost (In Lakhs for 5 Year) | Description | Capital Cost (in Lakhs) | Recurring Cost (In Lakhs for 10 Year) |
| Sanitation and Wastewater Management (Modular STP) | 15.00 | 40.00 | Waste Water Management (Sewage Treatment Plant) | 450.00 | 370.00 |
| Garbage & Debris disposal | 0.00 | 15.00 | Solid Waste Management (Dust bins & | 53.00 | 160.00 |

| | | | | | |
|--|------------------|------------------|--|------------------|------------------|
| | | | OWC) | | |
| Green Belt Development | 15.00 | 20.00 | Green Belt Development | 120.00 | 200.00 |
| Air, Noise, Soil, Water Monitoring | 0.00 | 10.00 | Monitoring for Air, Water, Noise & Soil | 00.00 | 25.00 |
| Rainwater harvesting system (24 pits) | 60.00 | 10.00 | Rainwater harvesting system | 00.00 | 50.00 |
| Dust Mitigation Measures Including site barricading, water sprinkling and anti-smog gun) | 55.00 | 15.00 | DG Sets including stack height and acoustics | 250.00 | 50.00 |
| Medical cum First Aid facility (providing medical room & Doctor) | 30.00 | 80.00 | Energy Saving (Solar Panel system) | 100.00 | 15.00 |
| Storm Water Management (temporary drains and sedimentation basin) | 35.00 | 5.00 | | | |
| Total | 210 Lakhs | 195 Lakhs | Total | 973 Lakhs | 870 Lakhs |

4. In view of the recommendations made by State Expert Appraisal Committee (SEAC) in the said case and further consideration of the documents/details submitted by the Project Proponent; the Authority after discussions decided during **150th Meeting held on 25.11.2022** to **“GRANT ENVIRONMENT CLEARANCE” TO THE PROJECT, UNDER CATEGORY 8(b) OF EIA NOTIFICATION, 2006**, subject to the conditions listed below:

*PP is required to submit an Affidavit that **“no case(s) is/are pending before any Court relating to the Project”** within 30 days, positively, from the date of Grant of Environment Clearance. Failure to comply with the same will lead to withdrawal of Environment Clearance Granted to the Project”:-*

A. Specific Conditions:-

1. Sewage shall be treated in the STP based on latest Technology to achieve standards ordered by NGT. The Treated effluent from STP shall be recycled /reused for flushing, DG cooling and Gardening
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 EMP Budget shall be spent on project during construction as well as during operational phase as per table given above. The EMP cost on Socio Economic activities shall be used before the commencement of the project & EMP recurring inside the project shall be implemented throughout the operation of the project. The PP shall establish Environment Monitoring Cell as per documents submitted.
4. The project proponent shall upload the status of compliance of the basic details (given in above tables), stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.

5. The Project Proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
6. Separate wet and dry bins must be provided in each unit and at ground level for facilitating segregation of waste. Solid Waste shall be segregated into wet garbage and inert materials. Wet Garbage shall be composted in Organic waste convertor. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The Inert waste from the project will be sent to solid waste dumping site through authorized vender.
7. 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
8. No tree cutting has been proposed in the instant project. A minimum of 1 tree for every 80sqm of land should be planted and maintained. The Existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. As proposed **24,587.9630 m² (25.21 % of plot area)** shall be provided for Green Area development for whole project.
9. 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.
10. 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.
11. 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.
12. The PP shall obtain the Fire NOC from the Competent Authority before taking the occupation of the building.
13. 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 by 30% if HSD is used. The DG sets will be operated for maximum 04 hours during power failure through Executing Agency
14. The PP shall increase **solar power 3 to 5%** of total power demand.
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, if any from HWRA/CGWA before the start of the project 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. **24 Rain water harvesting recharge pits** shall be provided for ground water recharging as per the CGWB norms
20. The PP shall install Digital water level recorder for monitoring the water recharge and carry out quarterly maintenance and cleaning of RWH pits
21. The PP shall ensure the compliance of provisions of Plastic Waste Management (Amendment) Rules, 2022 relevant for the project.

22. The PP may provide electric charging stations to facilitate electric vehicle commuters.
23. The PP shall provide the Anti smog gun mounted on vehicle in the project for suppression of dust during construction & operational phase and shall use the treated water, if feasible.
24. The PP shall take all preventive measures including water sprinkles to control dust during construction and operational phase.
25. Any change in stipulations of EC will lead to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance.
26. The PP shall get agreement with individual plot holder to plant one tree in each plot.
27. The project is recommended on concept basis as such in case of any change in planning, the PP will obtain fresh EC.
28. **PP shall maintain 25.21% of the Plot area as Green Area i.e. 24587.9630 Sqm as offered in the proposal and the same shall not be reduced/ modified or put to any other use / purpose.**
29. **A buffer zone of 15 meters on both sides of HT line shall be created, no construction to be carried out within the said zone**

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 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 firefighting 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 PM_{2.5}) 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 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 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 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 has been appraised on the concept basis as such PP will obtain fresh EC in case of change in the planning.
- ii. 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.
- iii. 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.

- iv. 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.
- v. 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.
- vi. 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.
- vii. 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.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. 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.
- x. 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.
- xi. Any change in planning of the approved plan will lead to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance
- xii. 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.
- xiii. 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.
- xiv. The Ministry/SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xv. The Ministry/SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xvi. 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 reports.
- xvii. 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.
- xviii. The validity of this environment clearance letter is valid up to 10 years from the date of issuance of EC letter in accordance with the MoEF & CC, GoI Notification

No. S.O.1807 (E), dated the 12th April, 2022. The environment clearance conditions applicable till life space project will continue to apply. In case of violation the action would be taken as per the laid down law of land. Compliance report should be sent to this office till life of the project.

- xix. If project is not completed within the validity period then the project proponent shall submit the application for extension of validity within one month before the lapse of validity period of Environment Clearance i.e. 10 years.
- xx. 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.

(Pardeep Kumar, IAS)
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, Indira Paryavaran Bhavan, Zorbagh Road-New Delhi-110003.
2. Chairman, State Environment Impact Assessment Authority, Bay No. 55-58, Prayatan Bhawan, 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

(Pardeep Kumar, IAS)
Member Secretary,
State Level Environment Impact
Assessment Authority, Haryana, Panchkula.