

DLF HOMES PANCHKULA PRIVATE LIMITED

Regd. Office: 2nd Floor, DLF Gateway Tower, DLF City Phase III, NH-8, Gurugram-122002
CIN NO. U45400HR2007PTC038443

To

Date: 01.05.2024

20.05.2024

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

Sub: Submission of six-monthly compliance report of stipulated conditions of Environmental Clearance for "Residential Plotted Colony" Village Bhagwanpur, Sector-3, Pinjore Kalka Urban Complex, District Panchkula, Haryana for the period of October 2023 to March 2024 (due on 1st June 2024).

Sir,

In accordance to the Environmental Clearance received from the State Environment Impact Assessment Authority (SEIAA), Haryana, for the above project vide letter no. SEIAA/HR/2022/194 dated 19.09.2022 we are submitting herewith Six-monthly Compliance Report of stipulated condition of Environmental Clearance (in one soft copy in CD) for the period of **October 2023 to March 2024**.

Thanking You

Yours sincerely,

For DLF Homes Panchkula Private Limited

For DLF Homes Panchkula Pvt. Ltd.


Authorized Signatory
(Authorized Signatory)

Name - Rohit Sharma
Designation - Executive Director
E-mail - sonawane-asim@dlf.in
Contact No. - 8146990000

Encl: As stated above

Copy to:

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


21/5/24
Haryana State Pollution Control Board
C-11, Sector 6, Panchkula

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Vardan Compliance <compliance@vardan.co.in>

Half yearly compliance report for submission period Oct'23 to Mar'24 M/s DLF Homes Panchkula Private Limited. Residential Plotted Colony” over land measuring 34.229 acres in the Revenue Estate of Village Bhagwanpur, Sector 3, Pinjore Kalka Urban Complex, District Panchkula, Haryana

Rohit Sharma <dlfvalley2022@gmail.com>
To: eccompliance-nro@gov.in
Cc: compliance@vardan.co.in

Sat, Jun 1, 2024 at 5:00 PM

Respected Sir,

Please find enclosed half yearly compliance report for submission period **Oct'23 to Mar'24** for M/s DLF Homes Panchkula Private Limited. Residential Plotted Colony” over land measuring 34.229 acres in the Revenue Estate of Village Bhagwanpur, Sector 3, Pinjore Kalka Urban Complex, District Panchkula, Haryana

Yours Sincerely

 **DLF Homes Panchkula Private Limited.pdf**
9482K

Your (**Environment Clearance**) application has been **Submitted** with following details

Proposal No	SIA/HR/MIS/77517/2022
Compliance ID	28400384
Compliance Number(For Tracking)	EC/M/COMPLIANCE/28400384/2024
Reporting Year	2024
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	01-06-2024
IRO Name	Santosh Tiwari
IRO Email	bh158@ifs.nic.in
State	HARYANA
IRO Office Address	Integrated Regional Offices, Chandigarh

Note:- SMS and E-Mail has been sent to Santosh Tiwari, HARYANA with Notification to Project Proponent.

List of Uploaded Compliances

Sr.No.	Proposal No. / Name of Project	Compliance No./ EC Letter Number	State and District	Year of Compliance	Period of Compliance	Remarks	Uploaded Date	Status	View
1	SIA/HR/MIS/77517/2022	EC/M/COMPLIANCE/28400384/2024	HARYANA	2024	01 Jun(01 Oct - 31 Mar)		01-06-2024	Submitted Successfully	View Report
	DLF HOMES PANCHKULA PRIVATE LIMITED DLF Gateway Tower, 2nd Floor, R-Block, DLF City Phase-III, Gurugram- 122002 Haryana -122002	SEIAA/HR/2022/194	PANCHKULA						View Documents
2	SIA/HR/MIS/77517/2022	EC/M/COMPLIANCE/28385317/2023	HARYANA	2023	01 Dec(01 Apr - 30 Sep)		01-12-2023	Submitted Successfully	View Report
	DLF HOMES PANCHKULA PRIVATE LIMITED DLF Gateway Tower, 2nd Floor, R-Block, DLF City Phase-III, Gurugram- 122002 Haryana -122002	SEIAA/HR/2022/194	PANCHKULA						View Documents

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1

INTRODUCTION

1.1 Introduction

M/s DLF Homes Panchkula Private Limited has proposed Proposed "Proposed Residential Plotted Colony" over land measuring 34.229 acres in the Revenue Estate of Village Bhagwanpur, Sector 3, Pinjore Kalka Urban Complex, District Panchkula, Haryana

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

1.2 Purpose of the Project:

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

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

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

The Environmental assessment has been carried out to verify:

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

1.3 Methodology for Preparation of Report is as follows:

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

1.4 Generic Structure of Report:

Environmental Clearance for Proposed "Proposed Residential Plotted Colony" over land measuring 34.229 acres in the Revenue Estate of Village Bhagwanpur, Sector 3, Pinjore Kalka Urban Complex, District Panchkula, Haryana
EC No. SEIAA/HR/2022/194 Dated-19/09/2022

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

1.5 Construction Status:

- **Construction Works is going on.**

2

ADHERENCE TO SPECIFIC AND GENERAL CONDITIONS

Specific Condition

S. No.	Conditions of Environmental Clearance	Status of Compliance
1.	That the project proponent shall maintain 25% green area of total plot area as submitted in the proposal of the said project.	<i>Green area will be maintained 25% (i.e. 11269m²) of the total plot area as proposed in the EC.</i>
2.	That the project proponent will install 650 KLD STP for the proposed project	<i>The STP capacity shall be installed as per the EC granted to the project.</i>
3.	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>
4.	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>
5.	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>
6.	The project proponent shall upload the status of compliance of the basic details (given in above tables), stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	<i>We assure that the monitoring data with environment clearance conditions including results of monitored data is being regularly uploaded on our website.</i>
7.	The project Proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet sets using recycled treated water and fresh waters for flushing, and quantity of water being supplied through spray faucets attached to toilet seats.	<i>Agreed and same will be complied.</i>
8.	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 be 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>

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9.	Traffic management plan as submitted shall be implemented in letter and spirit. Apart, a detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is marinated and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or purpose to be carried out by the project or other agencies in this 05kms radius of the site in different scenarios of space and time	<i>Agreed and will be complied.</i>
10.	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 11,269 m ² (25% of Balance plot area=total site area - (area under plots + area under sector road) shall be provided for Green Area development for whole project, excluding plot areas.	<i>Adequate green area will be developed in the due course of time with native plant species.</i>
11.	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>Noted</i>
12.	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>
13.	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>
14.	The PP shall obtain the fire NOC from the Competent Authority before taking the Occupation the Building.	<i>Noted and Agreed. As per Haryana Fire and Emergency Services rules, it is not required when the height of the project is less than 15 m.</i>
15.	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>
16.	The PP shall enhance solar power capacity upto 3% total power demand.	<i>Noted and the same will be complied in the due course of time.</i>
17.	PP has submitted an undertaking that they have applied for Wildlife Clearance from the standing Committee of National Board for Wildlife (NBWL) for the project. PP further enclosed acknowledgement to the effect that proposal (No. FP/HR/Others/6266/2022 dated 04.04.2022) seeking prior approval of Central Government under the Forest (Conservation) Act 1980 has been uploaded on the portal of	<i>Noted .</i>

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	MoEF&CC for necessary permission/approval for Eco Sensitive Zone of National Wildlife Sanctuary. There are three nearby WLS namely, Bir Shikargah WLS, Khol Hai Raitan WLS and Sukhna WLS.	
18.	The PP shall not give occupation or possession before the Water supply Sewage connection permitted by the competent Authority.	<i>We have already obtained the water assurance. The copy of same is attached as Annexure-2</i>
19.	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>
20.	The PP Shall obtain the permission regarding the withdrawal of ground water from HWRA/CGWA before the start of the project If required and also obtained the CTO from HSPCB after the approval from HRWA/CGWA.	<i>No ground water will be used at the project site before obtaining prior clearance from CGWA/HWRA</i>
21.	The PP shall carry out the quarterly awareness program for the stakeholders of the Project.	<i>Agreed and same will be complied.</i>
22.	174 Rain water harvesting recharge pits shall be provided for ground water recharging as per the CGWA Norms in individual plot.	<i>Adequate number of rainwater harvesting pits will be developed at the project site.</i>
23.	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>
24.	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>
25.	The PP may provide electric charging stations to facilitate electric vehicle commuters.	<i>Noted.</i>
26.	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>Noted Only treated water will be used for the dust suppression.</i>
27.	The PP shall take preventive measures including water sprinkling to control dust during construction & operational phase.	<i>Adequate measures shall be obtained to control the dust during construction and operational phase.</i>
28.	Any change in stipulation of EC Will lead to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance.	<i>Fresh EC will be obtained before any change in the plan of project.</i>
29.	The PP shall get agreement with individual plot holder to plant one tree in each plot.	<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. The copy of mining permission for the soil excavation is attached as Annexure-4. Construction will be done as per the NBC norms.</i>
2.	The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of fire fighting equipment etc. as per National Building Code including protection measures from lightning etc.	<i>Noted and same will be submitted to the authority.</i>

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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>Noted NOC from DFO has been obtained and submitted to the authority and is attached as Annexure-5</i>
4.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	<i>"We have already submitted an undertaking to SEIAA regarding the same".</i>
5.	The project proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Haryana State Pollution Control Board.	<i>CTE has been obtained from HSPCB Vide No. HSPCB/Consent/: 329962322PANCTE28675208 dated 03/11/2022 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 UHBVN. 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>Noted</i>
9.	The provisions of the Solid waste (Management Rules, 2016, e-Waste (Management) Rules, 2016, and the plastic Waste (Management) Rules, 2016 and Batteries waste (Management Handling Rules 2001 as amended in 2020) shall be followed.	<i>Waste will be disposed as per the guidelines.</i>
10.	The project proponent shall follow the ECBC Act/ ECBC-Rules prescribed by Bureau of Energy Efficiency, Ministry of Power strictly in addition of bylaws of the state Government.	<i>ECBC rules & 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>Dust Mitigation measures and water sprinkling system are 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>Noted</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 6.</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>

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v	Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.	<i>Temporary barricading has been provided at the construction site. Sign boards and screens are already provided at construction site. 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</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>The construction and demolition waste is being handed over to the C&D waste processing plant, Municipal Corporation Chandigarh Receipt of the same is attached as Annexure-7</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>Ultra LSD has been installed for construction purpose.</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>Adequate height is being maintained for stack as per CPCB norms.</i>
xii	For indoor air quality the ventilation provisions as per National Building code of India.	<i>Noted and same will be complied.</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>We assure that the total fresh water requirement will not exceed the proposed water requirement.</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	<i>Digital flow meters will be installed to monitor the water usage, water recycling and rainwater harvesting in the due course of time.</i>

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S. No.	Conditions of Environmental Clearance	Status of Compliance
	project proponent. The record shall be submitted to the Regional Office, MoEF & CC/ SEIAA along with six monthly Monitoring reports.	
[v]	A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the Project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.	<i>Noted and same will be complied.</i>
[vi]	At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.	<i>Adequate open space will be developed as grass paver and paver blocks.</i>
[vii]	Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.	<i>Noted. Dual plumbing will be installed at the project site to reuse the treated water for various purposes.</i>
[viii]	Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc.) for water conservation shall be incorporated in the building plan.	<i>Adequate water saving devices will be installed to reduce the water usage.</i>
[ix]	Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system are done.	<i>Dual plumbing will be installed to separate grey and black water.</i>
[x]	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	<i>Premixed concrete will be used to reduce the water demand.</i>
[xi]	The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. 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 agreed.</i>
[xiv]	No ground water shall be used during construction phase of the project.	<i>Noted. Water requirement will be met through HSVP supply during the construction phase.</i>

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S. No.	Conditions of Environmental Clearance	Status of Compliance
[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>No ground water will be used without any prior dewatering permission from competent authority.</i>
[xvi]	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC/ SEIAA along with six monthly Monitoring reports.	<i>Noted and will be complied.</i>
[xvii]	Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re- used for flushing, AC make up water and gardening. As proposed, no treated water shall be disposed in to municipal drains.	<i>Treated sewage water will be reused for flushing, horticulture and other purposes at the project site.</i>
[xviii]	No sewage or untreated effluent water would be discharged through storm water drains.	<i>The all effluent water will be treated and used inside the project site.</i>
[xix]	Onsite sewage treatment of capacity of treating 100% waste water to be installed the installation of the sewage treatment plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.	<i>Noted 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/ SPCB.	<i>Noise level survey is being carried out as per the guidelines. Monitoring reports are enclosed as Annexure-6.</i>

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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>Noted.</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>Noted.</i>

IV. Energy Conservation measures

S. No.	Conditions of Environmental Clearance	Status of Compliance
(i)	Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency as per ECBC Act, 2017 read with ECBC Rules, 2018 shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC also which is no case shall be less than 25% as prescribed.	<i>Agreed and the building is being developed as per the ECBC norms.</i>
(ii)	Outdoor and common area lighting shall be LED.	<i>We assure you that LED lights will be installed outdoor and common areas at the project site.</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. Outdoor and common area will be lightened with solar light to reduce electricity load on power grid.</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>LED lights will be provided in residents and office areas</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>Noted.</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>Noted.</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.</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	<i>Noted</i>

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	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 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 and inert materials.	<i>Separate wet and dry bins will be provided as per the requirement for the segregation of the waste.</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>Solid waste management aspects will be properly addressed and compliance with the waste management 2016 rules will be practiced.</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>Noted</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>Noted.</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>Eco friendly material such as fly ash bricks, cement etc. is being used for the construction purpose.</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 27 th August, 2003 and 25 th January, 2016. Ready mixed concrete must be used in building construction.	<i>Noted</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>The construction and demolition waste is being handed over to the C&D waste processing plant, Municipal Corporation Chandigarh. Receipt of the same is attached as Annexure-7</i>
(X)	Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.	<i>Used CFLs and LEDs will be handed over the authorised vendors as per the norms.</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 25% of land will be developed for landscaping as per the proposed plan.</i>
2.	A minimum of 1 tree 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	<i>We have submitted the plan for landscaping to the authority. Plant species will be as per the condition.</i>

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	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.	
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>The top soil excavated during the construction phase is appropriately stored for use in horticultural landscaping and backfilling.</i>
4.	Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.	<i>We are complying with the condition.</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>Noted and same will be complied.</i>
2.	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.	<i>Good condition vehicles with valid PUC Certificate will be allowed to enter the project premises.</i>
3.	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 0kms Radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation components of the plan which involve the participation of these departments.	<i>Traffic decongestion plan has already been submitted to the authority and the same will be developed in the due course of time.</i>

VIII. Human health issues

S. No.	Conditions of Environmental Clearance	Status of Compliance
1.	All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust	<i>Dust mask and proper protection equipment has already been provided to the site workers.</i>

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	pollution shall be provided with dust mask.	
2.	For indoor air quality the ventilation provisions as per National Building Code of India.	<i>Noted and the same will be complied.</i>
3.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	<i>Noted.</i>
4.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	<i>All the required facilities have been developed and provided to the construction workers at the project site.</i>
5.	Occupational health surveillance of the workers shall be done on a regular basis.	<i>Noted and the same is being complied.</i>
6.	A First Aid Room shall be provided in the project both during construction and operations of the project.	<i>We have already provided the first aid room at the construction site. Photo is attached as Annexure-7</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 and the same is being complied.</i>
2.	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions and/ or shareholders/ stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report	<i>Environment Policy attached as Annexure-9</i>
3.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	<i>Noted.</i>
4.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office/SEIAA along with the Six Monthly Compliance Report.	<i>Will be complied.</i>

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X. Miscellaneous

S. No.	Conditions of Environmental Clearance	Status of Compliance
1.	The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/ SEIAA website where it is displayed.	<i>We have already given advertisement in two local newspapers and also submitted a copy to the concerned authority. Copy of News Paper is Attached as Annexure-10</i>
2.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	<i>Noted</i>
3.	The project proponent shall upload the status of compliance of the Stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	<i>Noted. We will regularly upload the environmental clearance conditions with all monitoring data on our website.</i>
4.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at Environment Clearance Portal.	<i>Will be complied.</i>
5.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	<i>Noted. We will regularly submit the environmental statement once the project comes in operational phase.</i>
6.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	<i>Noted and same will be complied.</i>
7.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	<i>Noted and will be complied.</i>
8.	The project proponent shall abide by all the commitments and recommendation made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	<i>Noted.</i>
9.	No further expansion or modifications in the plan shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)/SEIAA, Haryana. The project proponent shall seek fresh environmental clearance under EIA notification 2006 if at any stage there is change of area of this project.	<i>Noted and agreed.</i>
10.	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.</i>
11.	The PP should give unambiguous affidavit giving land Promoters in accordance with your ownership and possession of land legal the case referred for Environment Clearance to SEIAA.	<i>Noted.</i>
12.	Concealing factual data or Submission of false/ fabricated	<i>Noted.</i>

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	data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	
13.	The Ministry/ SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	<i>Noted.</i>
14.	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>
15.	The regional Office of this Ministry shall monitor compliance of the stipulated conditions. The Project authorities should extend full Cooperation to the officer (s) of the Regional office by furnishing the requisite data/information/monitoring report.	<i>We will provide our full cooperation to the officers of Regional Office with all the related documents and data.</i>
16.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Waste: (Management and Trans boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1981 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any and any others Courts of Law relating to the subject matter.	<i>Noted.</i>
17.	The validity of this environment clearance letter is valid up to 10 years from the date of issuance of EC letter. The environment clearance conditions applicable till life space project will continue to apply. In case of violation the action would be taken as per the laid down law of land. Compliance report should be sent to this office till life of the project	<i>Noted.</i>
18.	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>Noted and agreed.</i>
19.	The Project Proponent should intimate to the Authority as well as to the quarter concerned in case of any change in the present communication address.	<i>Noted.</i>

3

DETAILS OF ENVIRONMENTAL MONITORING

3.1 AMBIENT AIR QUALITY MONITORING

3.1.1 Ambient Air Quality Monitoring Stations

Ambient air quality monitoring has been carried out at 3 locations; one being nears the Main Gate, Second is Centre of the Project & Last Back side Area of the project. This will enable to have a comparative analytical understanding about air quality and the changes in the air environment in the study area with respect to the condition prevailing. The locations of the ambient air quality monitoring stations are given in **Table 3.1**.

Table 3.1 Details of Ambient Air Quality Monitoring Stations

S. No.	Location Code	Location Name/ Description
1	AAQ-1	SS Construction Coluster 14& 15
2.	AAQ-2	Coluster-8
3.	AAQ-3	RKV Site Near Main Gate

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)

The duration of sampling of PM_{2.5}, PM₁₀, SO₂ and NO_x was 24 hourly continuous sampling per day and CO was sampled for 8 hours continuous, thrice in 24 hour duration monitoring. The monitoring was conducted for one day at each location. This is to allow a comparison with the National Ambient Air Quality Standards.

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- II)
4	Oxides of Nitrogen	Jacob & Hochheiser	IS-5182 (Part-VI)
5	Carbon Monoxide	Gas Chromatography	IS-5182 (Part-X)

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

PARAMETERS	AAQ3	AAQ2	AAQ1	NAAQS*
Particulate Matter(PM2.5)	48.12	42.15	42.10	60
Particulate Matter (PM10)	87.20	89.00	95.12	100
Nitrogen Dioxide(NO2)	19.20	17.20	15.00	80
Sulphur Dioxide(SO2)	10.45	8.12	5.24	80
Carbon Monoxide(CO)	0.76	0.75	0.86	4

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

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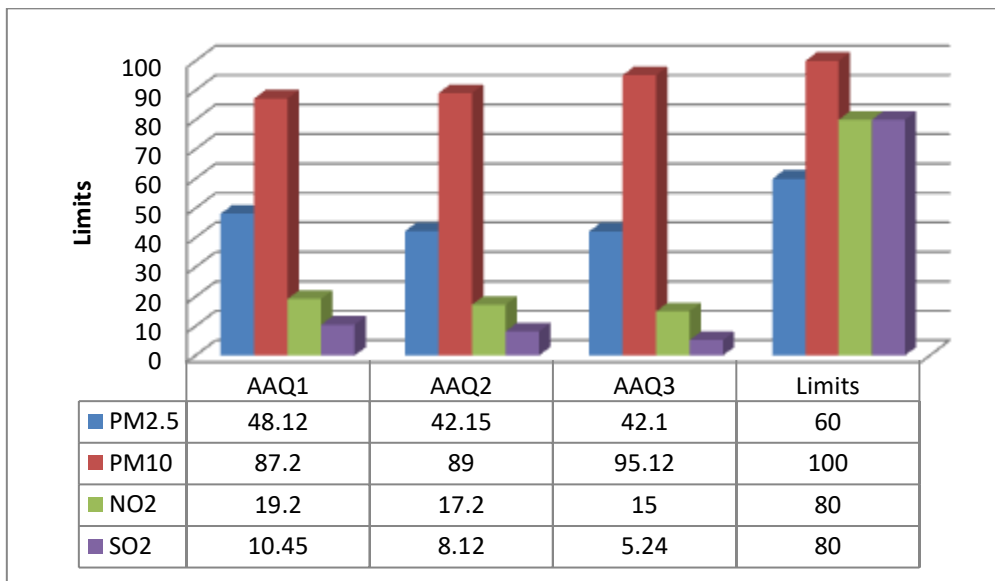


Figure 3.1 Location-wise Variation of Ambient Air Quality

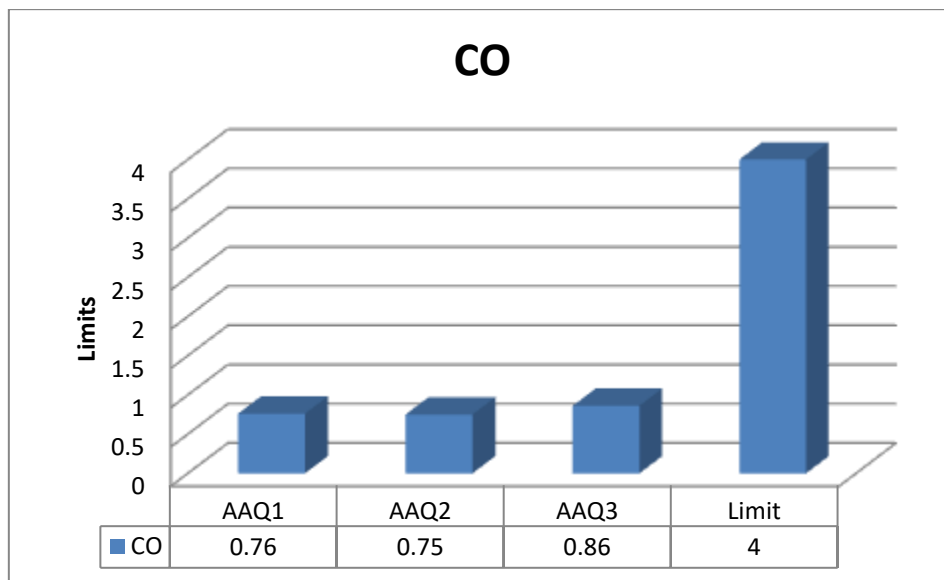


Figure 3.2 Location-wise Variation of CO in Ambient Air Quality

3.1.4 Discussion on Ambient Air Quality in the Study Area

PM₁₀ and PM_{2.5} levels at the project site are within the permissible limit of 100 µg/m³ and 60 µg/m³ respectively (for residential, 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: 4.0µg/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 in near main gate due to various construction allied activities and increased vehicular movement. A preliminary reconnaissance survey has been undertaken to identify the major noise generating sources in the area. Ambient noise monitoring was conducted at 3 location at the boundary of the project site as given in **Table 3.4**.

Table 3.4 Details of Ambient Noise Monitoring Stations

Sr. No.	Location Code	Location Name	Description
1.	N1	SS Construction Coluster 14& 15	Residential
2.	N2	Coluster-8	Residential
3.	N3	RKV Site Near Main Gate	Residential

3.2.2 Methodology of Noise Monitoring

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

3.2.3 Ambient Noise Monitoring Results

The location wise ambient noise monitoring results is summarized in **Table 3.5**. The location-wise variation of noise levels are graphically presented in **Figure 3.3**.

Table 3.5 Ambient Noise Monitoring Results

	Location Code					
	N1		N2		N3	
	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
Leq	52.00	41.10	51.23	40.00	50.00	41.00
CPCB Limits in dB(A) Leq (Residential Area)	55.00	45.00	55.00	45.00	55.00	45.00

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. 55 db (A).

Night Time Noise Levels (L_{night}):

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

3.3 WATER QUALITY MONITORING

3.3.1 Water Quality Monitoring Locations

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

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

Table3.6 Details of Water Quality Monitoring Station

S. No.	Location Code	Location Description
1.	Drinking Water	Store Office

3.3.2 Methodology of water Quality Monitoring

Sampling of water was carried out on **March 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 water are given in **Table 3.7**,

**Environmental Clearance for Proposed "Proposed Residential Plotted Colony" over land measuring 34.229 acres in the Revenue Estate of Village Bhagwanpur, Sector 3, Pinjore Kalka Urban Complex, District Panchkula, Haryana
EC No. SEIAA/HR/2022/194 Dated-19/09/2022**

3.5.3 Water Quality Results

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

Table 3.7 Water Quality Monitoring Results

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source
1.	pH (at 25 °C)	IS3025 (P-11)	7.60	--	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)	85.10	mg/l	200	600
7.	Calcium (as Ca)	IS3025 (P-40)	18.20	mg/l	75	200
8.	Alkalinity (as CaCO ₃)	IS3025 (P-23)	72.20	mg/l	200	600
9.	Chloride (as Cl)	IS 3025 (P-32)	15.00	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)	9.62	mg/l	30	100
12.	Total Dissolved Solids	IS3025 (P-16)	115.00	mg/l	500	2000
13.	Sulphate(as SO ₄)	IS3025 (P-24)	8.20	mg/l	200	400
14.	Fluoride (as F)	IS 3025 (P-60)	BLQ(LOQ-0.2)	mg/l	1.0	1.5
15.	Nitrate (as NO ₃)	IS3025 (P-34)	BLQ(LOQ 1.0)	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

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19.	Total Chromium (as Cr)	VEL/STP/ICP/W-01, Issue No.- 01, 01/11/21	BLQ(LOQ-0.01)	mg/l	0.05	No Relaxation
20.	Phenolic Compounds	IS3025 (P-43)	BLQ(LOQ-0.0005)	mg/l	0.001	0.002
21.	Mineral Oil	IS 3025 (P-39)	BLQ(LOQ-0.1)	mg/l	1.0	No Relaxation
22.	Anionic Detergents (as MBAS)	IS3025 (P-68)	BLQ(LOQ-0.05)	mg/l	0.2	1.0
23.	Zinc (as Zn)	VEL/STP/ICP/W-01, Issue No.- 01, 01/11/21	BLQ(LOQ-0.01)	mg/l	5	15
24.	Copper (as Cu)	VEL/STP/ICP/W-01, Issue No.- 01, 01/11/21	BLQ(LOQ-0.002)	mg/l	0.05	1.5
25.	Manganese (as Mn)	VEL/STP/ICP/W-01, Issue No.- 01, 01/11/21	BLQ(LOQ-0.01)	mg/l	0.1	0.3
26.	Cadmium (as Cd)	VEL/STP/ICP/W-01, Issue No.- 01, 01/11/21	BLQ(LOQ-0.002)	mg/l	0.003	No Relaxation
27.	Lead (as Pb)	VEL/STP/ICP/W-01, Issue No.- 01, 01/11/21	BLQ(LOQ-0.002)	mg/l	0.01	No Relaxation
28.	Selenium (as Se)	VEL/STP/ICP/W-01, Issue No.- 01, 01/11/21	BLQ(LOQ-0.001)	mg/l	0.01	No Relaxation
29.	Arsenic (as As)	VEL/STP/ICP/W-01, Issue No.- 01, 01/11/21	BLQ(LOQ-0.005)	mg/l	0.01	No Relaxation
30.	Mercury (as Hg)	VEL/STP/ICP/W-01, Issue No.- 01, 01/11/21	BLQ(LOQ-0.0005)	mg/l	0.001	No Relaxation
31.	Total Coliform	IS 15185	Absent	/100ml	Shall not be detectable in any 100 ml sample	
32.	E. coli	IS 15185	Absent	/100ml	Shall not be detectable in any 100 ml sample	

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

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

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

3.5.4 Discussion on Drinking Water Quality in the Study Area

The water quality in the project area is observed to be alkaline in nature with total alkalinity reaching up to 72.20mg/L at project against desirable limit of 200 mg/l. Total dissolved solids in the water is 110.00 mg/L & 115.00 at project site against prescribed limit of 500 mg/L. However, remaining parameters are within the CPCB prescribed limits.

3.4 SOIL MONITORING

3.4.1 Soil Monitoring Locations

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

Table 3.8 Details of Soil Quality Monitoring Location

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

3.4.2 Methodology of Soil Monitoring

The sampling has been done in line with IS: 2720 & Methods of Soil Analysis, Part-1, 2nd edition, 1986 of American Society for Agronomy and Soil Science Society of America. The homogenized samples were analyzed for physical and chemical characteristics (physical, chemical and heavy metal concentrations). The soil samples were collected in the month of **March 2024**.

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.

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3.4.3 Soil Monitoring Results

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

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

S. No.	Parameter	Test-Method	Result	Unit
33.	pH (at 25 °C)	IS : 2720 (P-26)	7.62	--
34.	Conductivity	IS:14767	0.305	mS/cm
35.	Soil Texture	VEL/STP/EN/64, Issue No.- 01, 01/11/2021	Sandy Loam	--
36.	Color	VEL/STP/EN/67, Issue No.- 01, 01/11/2021	Yellowish Brown	--
37.	Water holding capacity	VEL/STP/EN/86, Issue No.- 01, 01/11/2021	35.20	%
38.	Bulk density	VEL/STP/EN/59, Issue No.- 01, 01/11/2021	1.90	gm/cc
39.	Chloride as Cl	VEL/STP/EN/69, Issue No.- 01, 01/11/2021	125.20	mg/100g
40.	Calcium as Ca	VEL/STP/EN/72, Issue No.- 01, 01/11/2021	129.20	mg/100g
41.	Sodium as Na	VEL/STP/EN/62, Issue No.- 01, 01/11/2021	120.20	mg/kg
42.	Potassium as K	VEL/STP/EN/61, Issue No.- 01, 01/11/2021	45.20	kg/hect.
43.	Organic Matter	IS 2720 (P-22), Titrimetric Method	0.42	%
44.	Magnesium as Mg	VEL/STP/EN/72, Issue No. 01, 01/11/2021	12.20	mg/100g
45.	Available Nitrogen as N	IS:14684 Distillation Method	125.42	kg/hect.
46.	Available Phosphorus	VEL/STP/EN/73, Issue No.- 01, 01/11/2021	25.12	kg/hect.
47.	Zinc (as Zn)	VEL/STP/HW/03, Issue No.- 01, 01/11/2021	6.20	mg/kg
48.	Manganese (as Mn)	VEL/STP/HW/03, Issue No.- 01, 01/11/2021	5.12	mg/kg
49.	Lead (as Pb)	VEL/STP/HW/03, Issue No.- 01, 01/11/2021	0.65	mg/kg
50.	Cadmium as Cd	VEL/STP/HW/03, Issue No.- 01, 01/11/2021	BLQ(LOQ0.5)	mg/kg
51.	Chromium (as Cr)	VEL/STP/HW/03, Issue No.- 01, 01/11/2021	0.25	mg/kg
52.	Copper (as Cu)	VEL/STP/HW/03, Issue No.- 01, 01/11/2021	2.12	mg/kg

*SOP-Laboratory standard operating procedure. Chromium- this parameter is not covered our nabl scope.

3.4.4 Discussion on Soil Characteristics in the Study Area

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

3.5 Stack Emission Monitoring

Table 3.10 Details of Stack Monitoring Stations

S. No.	Location Code	Capacity
1.	DG1	125 KVA
2.	DG2	125 KVA
3.	DG3	62.5 KVA

Table 3.11 Stack Monitoring Results

Location- DG1

S. No.	Test Parameters	Test Method	Results	Units	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)	0.245	gm/kw-hr	0.40
3.	Total Hydrocarbon (as HC)	VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21	0.112	gm/kw-hr	0.19
4.	Carbon Monoxide (as CO)	VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21	0.362	gm/kw-hr	<3.5

Table 3.12 Stack Monitoring Results

Location- DG2

S. No.	Test Parameters	Test Method	Results	Units	Limits as Per CPCB
1.	Particulate Matter (as PM)	IS 11255 (P-1), Gravimetric Method	0.015	gm/kw-hr	0.02
2.	Oxide of Nitrogen (as NO _x)	IS 11255 (P-7)	0.315	gm/kw-hr	0.40
3.	Total Hydrocarbon (as HC)	VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21	0.137	gm/kw-hr	0.19
4.	Carbon Monoxide (as CO)	VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21	0.267	gm/kw-hr	<3.5

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Table 3.13 Stack Monitoring Results

Location- DG2

S. No.	Test Parameters	Test Method	Results	Units	Limits as Per CPCB
1.	Particulate Matter (as PM)	IS 11255 (P-1), Gravimetric Method	0.023	gm/kw-hr	0.02
2.	Oxide of Nitrogen (as NO _x)	IS 11255 (P-7)	0.245	gm/kw-hr	0.40
3.	Total Hydrocarbon (as HC)	VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21	0.115	gm/kw-hr	0.19
4.	Carbon Monoxide (as CO)	VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21	0.315	gm/kw-hr	<3.5

3.6 Point Source (DG Noise) Monitoring

Table 3.14 Details of Point Source Monitoring Stations

S. No.	Location Code	Capacity
1.	DG1	125 KVA
2.	DG2	125 KVA
3.	DG3	62.5 KVA

Table 3.15 DG Noise Monitoring Results

S. No.	Parameter	Test Method	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	98.6	72.5	26.1
2.	CPCB Limit in Leq dB(A)	--	--	75.00	Min. 25.0

Table 3.16 DG Noise Monitoring Results

S. No.	Parameter	Test Method	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	99.5	72.5	27.0
2.	CPCB Limit in Leq dB(A)	--	--	75.00	Min. 25.0

Table 3.17 DG Noise Monitoring Results

S. No.	Parameter	Test Method	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	97.2	72.0	25.2
2.	CPCB Limit in Leq dB(A)	--	--	75.00	Min. 25.0

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3.5 Site Photograph



Environmental Clearance for Proposed "Proposed Residential Plotted Colony" over land measuring 34.229 acres in the Revenue Estate of Village Bhagwanpur, Sector 3, Pinjore Kalka Urban Complex, District Panchkula, Haryana
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HARYANA STATE POLLUTION CONTROL BOARD



HSPCB SCO 116, Ist & IInd Floor, Sector 25, Panchkula Ph.

0172-2566286 Email:- hspcbropkl@gmail.com

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

Telephone No.: 0172-2577870-73

No. HSPCB/Consent/ : 329962322PANCTE28675208

Dated:03/11/2022

To.

M/s : DLF Homes Panchkula Private Limited
Village Bhagwanpur, Sector 3, Pinjore, Kalka, UrbanComplex, Panchkula.
PANCHKULA
134107

Sub. : Grant of consent to Establish to M/s DLF Homes Panchkula Private Limited

Please refer to your application no. 28675208 received on dated 2022-09-21 in regional office Panchkula.

With reference to your above application for consent to establish, M/s DLF Homes Panchkula Private Limited is hereby granted consent as per following specification/Terms and conditions.

Consent Under	AIR/WATER
Period of consent	03/11/2022 - 02/11/2029
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)	80600.0
Total Land Area (Sq. meter)	138520.0
Total Builtup Area (Sq. meter)	272805.0
Quantity of effluent	
1. Trade	0.0 KL/Day
2. Domestic	253.0 KL/Day
Number of outlets	1.0
Mode of discharge	
1. Domestic	STP
2. Trade	
Permissible Domestic Effluent Parameters	
1. pH	5.5 9.0
2. BOD	10 mg/l
3. COD	50 mg/l
4. TSS	20 mg/l
5. Total Nitrogen	10 mg/l

6. Total Phosphorus	1 mg/l
7. Faecal Coliform	100 less than 100
Permissible Trade Effluent Parameters	
1. NA	
Number of stacks	1
Height of stack	
1. As per norms	
Permissible Emission parameters	
1. As per emission Rules	
Capacity of boiler	
1. NA	0
Type of Furnace	
1. NA	0 NA
Type of Fuel	
1. Diesel	0.406 KL/day

Regional Officer, Panchkula

Haryana State Pollution Control Board.

Terms and conditions

1. The industry has declared that the quantity of effluent shall be 253 KL/Day i.e 0KL/Day for Trade Effluent, 0 KL/Day for Cooling, 253 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.

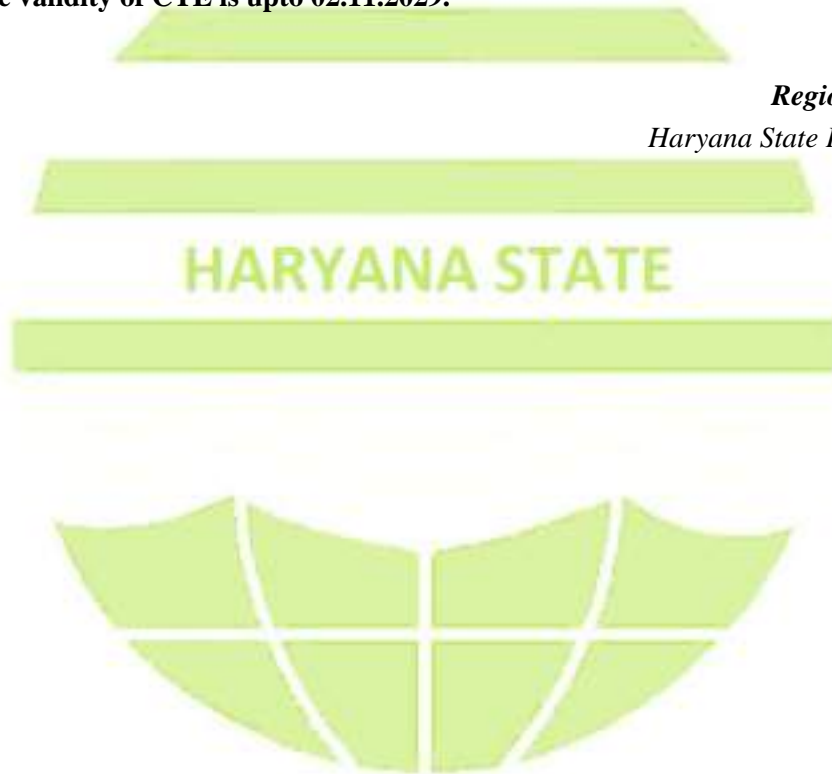
9. Unit will raise the stack height of DG Set/Boiler as per Board's norms.
10. Unit will maintain proper logbook of Water meter/sub meter before/after commissioning.
11. That in the case of an industry or any other process the activity is located in an area approved and that in case the activity is sited 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. That the unit shall obtain consent to operate before commissioning of the project.**
- 2. That the unit will abide by the directions of CPCB/HSPCB/any other competent authority time to time.**
- 3. That the unit will abide the directions/ orders of Hon'ble Supreme court /High Court/NGT/any other court.**
- 4. The unit shall not discharge its treated effluent outside the premises.**
- 5. The unit shall use treated domestic effluent only from STP's for development work in 34.229 Acre project.**
- 6. Unit shall renew its license from town & country planning department as it is going to be expire on 10.03.2027 & 01.07.2027. The unit will not do any construction work of their project till the renewal of license from Town & Country Planning Department and the CTE so granted will become null & void if such units fail to renew their license for their project from Town & Country Planning Department.**
- 7. The unit shall comply with all the general/specific conditions of EC.**
- 8. The unit shall re-use its treated effluent for horticulture / flushing purpose only.**
- 9. Unit shall obtain permission from HWRA for extraction of ground water through bore well.**
- 10. Unit shall obtain necessary permission from any other departments, if applicable in future which are not applicable on the project at present scenario as per units undertaking.**
- 11. The validity of CTE is upto 02.11.2029.**

*Regional Officer, Panchkula
Haryana State Pollution Control Board.*



OFFICE OF THE EXECUTIVE ENGINEER HSVP DIVISION NO. II PANCHKULA

To

✓ DLF Homes Panchkula Pvt. Ltd.
2nd floor DLF Gateway Tower
DLF City Phase-III, NH-8
Gurugram - 122002

Memo No. 106861

Dated: 29.06.2022

Sub:- Assurance of fresh water supply of 400 KLD for drinking purpose for residential plotted colony area measuring 34.229 acres sector-3, Bhagwanpur, Pinjore Kalka Urban Complex Distt. Panchkula

Ref:- Your office letter dated 16.06.2022.

In this regard, it is intimated that the water connection in Master Water supply line for 400 KLD after commissioning of residential plotted Colony over an area measuring 34.229 Acres bearing License No.20 of 2022 falling in Sector-3, Bhagwanpur, Pinjore Kalka Urban Complex Distt. Panchkula being developed by your firm could be given after completion of the Master Water supply line in the area.

This is for your kind information and necessary action please.

Endst No.

N. S. D.
EXECUTIVE ENGINEER,

Dated:

A copy of above is forwarded to the SDE-V HSVP, Panchkula for information.

↑
EXECUTIVE ENGINEER,
HSVP, DIVISION NO. II,
PANCHKULA

DLF HOMES PANCHKULA PRIVATE LIMITED

Regd. Office: 2nd Floor, DLF Gateway Tower, DLF City Phase III, NH-8, Gurgaon-122002.
CIN NO. U05400HR2007PTC018443

June 06th, 2022

The ~~Supervising~~ ^{EXECUTIVE} Engineer,
UHBVN, Sector 3
Panchkula

Subject: Assurance Certificate of UHBVN for 4675 KW Electrical Load requirement for Residential Plotted Colony area measuring 34.229 acres, Sector 3 Bhagwanpur, Pinjore Kalka Urban Complex, District Panchkula

Sir,

1. With reference to the above subject, it is submitted that we have received the license from DTCP for Residential Plotted Colony, Sector 3, Pinjore Kalka Urban Complex (34.229 acres) (attached as "Annexure A"). We are in the process of Obtaining Environment Clearance (EC) from State Environment Impact Assessment Authority (SEIAA), Haryana.
2. The total estimated electrical load as per design calculation (on actual basis) for above project will be approximately 4675 KW. Copy of calculation is attached for your reference as Annexure "B".
3. In view of the above, it is requested to issue an Assurance Certificate, stating that entire electrical load will be provided/supplied by UHBVN, whenever electrical connection for the same is applied.
4. Submitted for your kind consideration and issuance of an assurance certificate, at an early date.

Thanking you.

Yours faithfully,
For DLF Homes Panchkula Private Limited.

 **Anil Kumar**
Authorized Signatory

Encl: As above.

UHBVN	
OP DIVN. PANCHKULA	
KEN	
HE	
FILE	07/07/22
DATE	
DIARY NO	

Handwritten notes: "100% Approved" and "100% Approved" are written across the stamp.

श्रीमान जी,

प्रार्थियों ने जो हस्ताक्षर / अंगूठा निशान प्रार्थना पत्र पर लगाये हुए हैं उन्हें मैंने सत्यापित कर लिया है। सभी प्रार्थियों के हस्ताक्षर व अंगूठा निशान सही हैं। प्रार्थी की मलकियत भूमि में केवल निम्नलिखित वृक्ष खड़े हैं।

S.No.	Species	U/S	V	IV	III	II-A	II-B	I-A	I-B	Total	Vol.
1.	वृक्ष	28	38	33	7	-	-	-	-	106	
2.	वृक्ष	11	10	2	-	-	-	-	1	23	
	Total	29	18	8	4	-	-	-	1	60	
	Total	68	66	43	11	-	-	-	1	189	

प्रार्थी उनमें से निम्नलिखित वृक्ष कटवाना चाहते हैं जो कि नियमानुसार कटवाये जाने हैं।

S.No.	Species	U/S	V	IV	III	II-A	II-B	I-A	I-B	Total	Vol.
1.	वृक्ष	-	-	33	7	-	-	-	-	40	10.92
2.	वृक्ष	-	-	1	4	1	-	-	1	14	0.14
	Total			8	4	1			1	55	19.13


इन वृक्षों के कटने उपरांत मौका पर 134 वृक्ष खड़े रह जाएंगे। गांव कटाई के लिए बन्द है। प्रार्थी द्वारा उपरोक्त 55 वृक्ष विविध वृक्ष कटाने की अनुमति देने की अनुकम्पा करें।

Roinder kumar
(हस्ताक्षर वन रक्षक)
(बीट इन्चार्ज)

प्रार्थी जिन वृक्षों को काटना चाहता है उनका मैंने स्वयं मौका देख लिया है। वन रक्षक द्वारा की गई रिपोर्ट ठीक है, मैं इस रिपोर्ट से सहमत हूँ।

Pankaj Singh (for)
(ब्लॉक ऑफिसर)

मैं, वन रक्षक व वन दरोगा की रिपोर्ट से सहमत हूँ।


वन राजिक अधिकारी,
पिंजौर

वन विभाग हरियाणा सरकार

कार्यालय :- वन मण्डल अधिकारी, मोरनी पिंजौर वन मण्डल, पिंजौर
वन परिसर पिंजौर, दूरभाष / फ़ैक्स नं० 01733-230537
e-mail-dfomorni@gmail.com

दिनांक:- 18/05/2022

क्रमांक:- 1407
सेवा में:-

DLF Homes Panchkula Pvt Ltd.,
SCO 188-189, Sector 8 C,
Chandigarh-160009.

विषय:-

Issuance of Forest NOC for land of 34.229 acres situated at village Bhagwanpur (H.B. no. 193) Tehsil Kalka, Distt. Panchkula to be developed by M/s DLF Homes Panchkula Pvt Ltd.

संदर्भ:-

आपका प्रार्थना पत्र दिनांक 16.05.2022

संदर्भांकित पत्र के सम्बन्ध में आपको अवगत करवाया जाता है कि आपकी मलकीयत भूमि जोकि गांव भगवानपुर जिला पंचकूला में आपके प्रार्थना पत्र व संलग्न जमाबंदी में अंकित खसरा नम्बरान पर इस कार्यालय में उपलब्ध रिकार्ड अनुसार पंजाब भूमि संरक्षण अधिनियम 1900 की धारा 4 व 5 लागू नहीं होती है।

इस भूमि पर पंजाब भूमि संरक्षण अधिनियम 1900 की सामान्य धारा 4 लागू होती है। उक्त भूमि में किसी भी प्रकार के कार्य को करने से पूर्व पंजाब भूमि संरक्षण अधिनियम 1900 की सामान्य धारा 4 के प्रावधानों के तहत इस कार्यालय से अनुमति प्राप्त करें। उक्त क्षेत्र में सुखना वन्य प्राणी अभियारण का ईको-सैसिटिव जोन भी प्रस्तावित है। जिसके सम्बन्ध में आप उक्त भूमि में किसी भी प्रकार के कार्य को करने से पूर्व ईको-सैसिटिव जोन में लागू प्रावधानों के तहत अनुमति भी प्राप्त करें। इसके अतिरिक्त वन राजिक अधिकारी, पिंजौर के पत्र क्र० 63 दिनांक 25.04.2022 के अनुसार आपकी मलकीयत भूमि के साथ बक्शीवाला सुरक्षित वन भूमि लगती है तो किसी भी प्रकार के कार्य को करने से पूर्व उक्त भूमि की निशानदेही करवाये

वन मण्डल अधिकारी,
मोरनी-पिंजौर वन मण्डल,
पिंजौर।

18/5/2022

वन विभाग हरियाणा सरकार

कार्यालय :- वन मण्डल अधिकारी, मोरनी पिंजौर वन मण्डल, पिंजौर
वन परिसर पिंजौर, दूरभाष / फैक्स नं० 01733-230537
e-mail-dfomorni@gmail.com

दिनांक:- 18/05/2022

क्रमांक:- 1407
सेवा में:-

DLF Homes Panchkula Pvt Ltd.,
SCO 188-189, Sector 8 C,
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विषय:-

Issuance of Forest NOC for land of 34.229 acres situated at village Bhagwanpur (H.B. no. 193) Tehsil Kalka, Distt. Panchkula to be developed by M/s DLF Homes Panchkula Pvt Ltd.

संदर्भ:-

आपका प्रार्थना पत्र दिनांक 16.05.2022

संदर्भांकित पत्र के सम्बन्ध में आपको अवगत करवाया जाता है कि आपकी मलकीयत भूमि जोकि गांव भगवानपुर जिला पंचकूला में आपके प्रार्थना पत्र व संलग्न जमाबंदी में अंकित खसरा नम्बरान पर इस कार्यालय में उपलब्ध रिकार्ड अनुसार पंजाब भूमि संरक्षण अधिनियम 1900 की धारा 4 व 5 लागू नहीं होती है।

इस भूमि पर पंजाब भूमि संरक्षण अधिनियम 1900 की सामान्य धारा 4 लागू होती है। उक्त भूमि में किसी भी प्रकार के कार्य को करने से पूर्व पंजाब भूमि संरक्षण अधिनियम 1900 की सामान्य धारा 4 के प्रावधानों के तहत इस कार्यालय से अनुमति प्राप्त करें। उक्त क्षेत्र में सुखना वन्य प्राणी अभियारण का ईको-सैसिटिव जोन भी प्रस्तावित है। जिसके सम्बन्ध में आप उक्त भूमि में किसी भी प्रकार के कार्य को करने से पूर्व ईको-सैसिटिव जोन में लागू प्रावधानों के तहत अनुमति भी प्राप्त करें। इसके अतिरिक्त वन राजिक अधिकारी, पिंजौर के पत्र क्र० 63 दिनांक 25.04.2022 के अनुसार आपकी मलकीयत भूमि के साथ बक्शीवाला सुरक्षित वन भूमि लगती है तो किसी भी प्रकार के कार्य को करने से पूर्व उक्त भूमि की निशानदेही करवाये

वन मण्डल अधिकारी,
मोरनी-पिंजौर वन मण्डल,
पिंजौर।

18/5/2022

वन विभाग हरियाणा सरकार

कार्यालय:- वन मण्डल अधिकारी, मोरनी वन मण्डल, पिंजौर
वन परिसर पिंजौर, दूरभाष/फैक्स नं० 01733-230537

फॉलिंग परमिट नं० दिनांक
निम्नलिखित भू-स्वामियों को उनकी अपनी मलकीयत भूमि में खड़े निम्न अंकित वृक्षों को काटने की अनुमति प्रदान की जाती है:-

मालिक का नाम	गांव का नाम	प्रजाति	V	IV	III	II-A	II-B	I-A	I-B	कुल	वायुम	खसरा नं०/खाला नं०
कैथना विल्डर्स एंड कन्स्ट्रक्शन प्रा० लि० द्वारा प्राधीकृत श्री मनप्रीत सिंह पुत्र श्री मनमोहन सिंह, मकान नं० 89बी, अम्बेडकर मॉडल, हाउस, लुधियाना, पंजाब।	भगवानपुर	खैर	33	7	0	0	0	0	0	40	10.92	गांव भगवानपुर, हबदस्त नं० 193, खसरा नं० 257 तादादी, 60-10 वा खसरा नं० 357/1/2 तादादी 14-18
		शीशम	1	0	0	0	0	0	0	1	0.14	
		विविध	8	4	1	0	0	0	1	14	8.07	
		कुल	42	11	1	0	0	0	1	55	19.13	

खैर/शीशम/विविध प्रकार के वृक्षों को काटने की स्वीकृति निम्नलिखित शर्तों पर दी जाती है:-

फॉलिंग परमिट में वृक्षों को काटने की अनुमति दिनांक 10.01.2022 से दिनांक 25.01.2022 तक जारी रहेगी तथा वृक्षों की निकासी को मियाद दिनांक 25.01.2022 तक जारी रहेगी। वृक्षों की कटाई सुबह 9:00 से 5:00 बजे तक रहेगी।

1. प्रार्थी कैथना विल्डर्स एंड कन्स्ट्रक्शन प्रा० लि० द्वारा प्राधीकृत श्री मनप्रीत सिंह पुत्र श्री मनमोहन सिंह, मकान नं० 89बी, अम्बेडकर मॉडल, हाउस, लुधियाना, पंजाब द्वारा मैनेजर, दी पंचकूला सैटल कोअप्रेविट बैंक लिमिटेड, ब्रांच सैक्टर-2, पंचकूला एफ०डी०आर० नं० 027292 दिनांक 06.01.2022 द्वारा 19950/- रु० की राशि जमा करवाई जा चुकी है। यह प्रतिभूति परमिट की मियाद खत्म होने के बाद अगर जब्त नहीं हुई तो वापिस कर दी जाएगी। यदि परमिट की किसी शर्त की उल्लंघना की गई या कोई नाजायज कटाई हुई या कोई धनराशि सरकार की बकाया हुई तो वन मण्डल अधिकारी मोरनी को पूर्ण हक है कि वह इस प्रतिभूति का कुछ हिस्सा या सारी प्रतिभूति सरकार के पक्ष में जब्त कर सकते हैं।
2. केवल उक्त सूची के अनुसार मार्क किए गये वृक्ष ही काटे जायें और कोई भी बिना मार्क किया हुआ वृक्ष नहीं काटा जाएगा।
3. वन मण्डल अधिकारी मोरनी-पिंजौर एवं वन राजिक अधिकारी यदि अनुभव करते हैं कि उक्त वृक्षों की कटाई नियमों तथा शर्तों के अनुसार नहीं हो रही है, तो यह परमिट तुरन्त रद्द किया जा सकता है। इसके रद्द करने के परिणाम स्वरूप भू-स्वामियों को यदि किसी प्रकार की हानि होगी तो वन विभाग/सरकार उसके लिए कोई मुआवजा नहीं देगी।
4. यदि मालिक मार्क किए गये वृक्षों के अतिरिक्त और कोई अन्य वृक्ष काटता है तो प्रार्थी को दुगना मुआवजा देना पड़ेगा।
5. वृक्ष को इस प्रकार से काटा जाए कि मुठ्ठी पर लगा हथोड़े का निशान साफ दिखाई दे और किसी भी वृक्ष की जड़ पतान नहीं करेगा।
6. परमिट धारक को अपने एजेंट/मुन्शी तथा अन्य दूसरे करिन्दों की सूची वृक्ष कटाई शुरू करने से एक सप्ताह पहले सम्बन्धित वन राजिक अधिकारी के कार्यालय में देनी होगी।
7. यदि परमिट धारक तथा उसके हिस्सेदारों का आपस में कोई झगड़ा होगा तो उसको परमिट धारक तथा उसके हिस्सेदार स्वयं निपटाएँ और वन विभाग/सरकार की इसकी कोई जिम्मेवारी नहीं होगी।
8. परमिट धारक द्वारा वृक्षों की कटाई आरम्भ करने से पूर्व सम्बन्धित वन रक्षक/वन दरोगा/उप वन राजिक/वन राजिक अधिकारी को सूचित करना अनिवार्य होगा।
9. यह परमिट भूमि परिरक्षण अधिनियम 1900 की धारा 4 तथा 5 के तहत भूमि संरक्षण के उद्देश्यों को ध्यान में रखते हुए जारी किया जाता है। यदि परमिट धारक का किसी अन्य जिम्मेदार से भूमि विवाद हुआ तो उस स्थिति में परमिट रद्द समझा जाये। परमिट धारक को कोई मुआवजा राशि देय नहीं होगी।
10. सरकारी जंगल से निकासी का कोई रास्ता ना बनाया जाये।
11. उपरोक्त हिदायतों या किसी भी अन्य वन अधिनियम के उल्लंघन पर परमिट तुरन्त ही रद्द कर दिया जायेगा।
12. वन रक्षक/वन दरोगा/उप वन राजिक वन राजिक अधिकारी के द्वारा मौके का निरीक्षण करने उपरान्त प्रार्थी को उसकी मलकीयत भूमि में जिसकी नकल जमाबन्दी प्रार्थी द्वारा शपथ पत्र में अंकित खसरा नं० की लगाई है, में खैर/शीशम/विविध प्रकार के 55 पेड़ जो सूखे/मैच्योर तथा कटवाने योग्य हैं उनको नियमानुसार कटवाने हेतु वर्ष 2021-22 में खुले गांव का परमिट जारी किया जाता है। जमाबन्दी, जो प्रार्थी द्वारा गई दी गई, अनुसार सभी अन्य भू-भाग मालिकों से एन०ओ०सी० प्राप्त करके सम्बन्धित वन रक्षक/ वन दरोगा/ उप वन राजिक/ वन राजिक अधिकारी को दिखायेगा।
13. जमाबन्दी में प्रार्थी के अलावा अन्य भू-मालिकों का हिस्सा ना दिखाया गया हो तो भू-राजस्व रिकार्ड भी पेड़ों की कटाई से पहले दस्तुत कर लें।
14. प्रार्थी काटे गये पेड़ों से दुगुने पेड़ लगायेगा यदि ऐसा नहीं किया गया तो ब्याना राशि सरकार के हक में जब्त समझी जाये।
15. काटी गई मुठ्ठियों पर भी नं० अंकित करेगा।
16. काटे गये पेड़ों के टुकड़ों को वन राजिक अधिकारी से हेमिटर लगावाने उपरान्त ही मौके से रवाना चलान लेकर उठायेगा। रवाना चालान शाम 4:00 बजे के बाद जारी नहीं होगा।
17. आदेशों की पालना ना करने पर प्रार्थी को रद्द समझा जायेगा तथा काटे गये पेड़ों के लिए प्रार्थी के खिलाफ Indian Forest Act 1927 के तहत अवैध कटान से सम्बन्धित दिखे गये प्रावधानों के तहत कार्यवाही की जायेगी।



वन मण्डल अधिकारी
मोरनी, पिंजौर।

पृ०नं०:- 10448-49

दिनांक:- 10-01-22

एक प्रति निम्न को:-

1. वन राजिक अधिकारी, पिंजौर को उनके पत्र क्रमांक 564 दिनांक 28.12.2021 के सन्दर्भ में भेजे हुए निर्देश दिये जाते हैं कि आप स्वयं सम्बन्धित वन दरोगा/वन रक्षक को मौके पर जाकर सुनिश्चित करें तथा मौके पर भू-स्वामियों द्वारा स्वीकृति अनुसार ही पेड़ काटे जाये व परमिट से सम्बन्धित सभी Term & Conditions की शर्त प्रतिशत पालना की जाये। यदि मौके पर अनियमितता पाई जाती है तो उसके लिए आप तथा सम्बन्धित वन दरोगा व वन रक्षक जिम्मेवार होंगे। अगर प्रार्थी उपर अंकित 1 से 17 शर्तें मानता हो तो ही कटाई करने दी जाये।
2. प्रार्थी श्री मनप्रीत सिंह पुत्र श्री मनमोहन सिंह, मकान नं० 89बी, अम्बेडकर मॉडल, हाउस, लुधियाना, पंजाब को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित है।

वन मण्डल अधिकारी
मोरनी, पिंजौर।

CAF Pin: 1136591128

PAN No: AABCH8735M

STP/Permit No. 1148
Form PIM-6
(See rule 32(2))

Memo No.: STP/Pkl/ 28 2

Dated: 9/5/2024

Standard permits for the grant of permission for disposal of mineral extracted incidental to developmental activities.

Whereas **DLF Home Panchkula Pvt Ltd, SCO 188-189 Sector 8C Chandigarh** applied for the grant of a permit for disposal of **BGS 7500 MT and 7500 MT ordinary clay** to be excavated/removed from **Village Bhagwanpur Sector 3 Pinjor Kalka Urban Complex Panchkula (Hadbast no 193, Khewat no 5, Khatoni no 6 Khasra no 325/258/2/6)** & site GPS Coordinates **30.754848 & 76.916902** under Rule 32 (1) of State Mining Rule 2012. The applicant has/have paid advance royalty Plus STP fees total amounting to **Rs. 552260/-** vide DD No. **502516** dated **02.04.2024** and Security amount to **Rs. 276130/-** & TCS **Rs. 11046/-** vide **24040900020012ICIC**, BSR Code- dated **24.04.2024**.

2. The permission is hereby granted for disposal of **BGS 7500 MT and ordinary clay 7500 MT** (total quantity of **15000 MT**) and having area dimension **440x125x6** for a period starting from **09.05.2024 to 31.07.2024** to be excavated/ removed from the aforesaid area subject to the condition that the holder will abide by the safety guards for such excavation of removal.

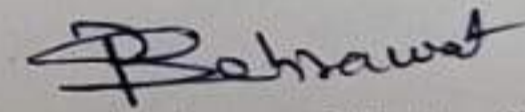
3. The permit holder shall transport/dispensed off the ordinary clay/stone/sand/earth from the site of the excavation only by issuing a Mineral Transit pass.

4. The permit holder shall transport/dispensed of mineral covered by **tarpaulin** from the site of the excavation only by issuing a Mineral Transit pass with sprinkling of water in the way of vehicles & in non compliance of said condition necessary action as per rule may be taken against you.

5. The amount security deposit shall entail no interest. The security amount shall be refunded within a period of three months in case the same is not forfeited or required to be detained for any other purpose under this permit.

6. Any sum due from the permit holder shall be recovered from him as an arrear of land Revenue.

7. The permission is valid from **09.05.2024 to 31.07.2024**.

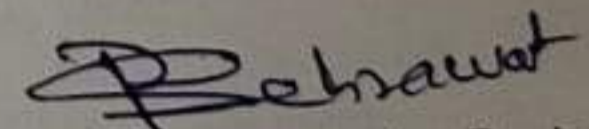


Assistant Mining Engineer
Mines and Geology Deptt.
Panchkula

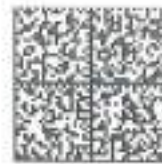
Endst. No. STP/PKL/ 28 3

Dated: 9/5/2024

A copy is forwarded to the Deputy Excise & Taxation Commissioner(ST), Panchkula for kind information please.



Assistant Mining Engineer
Mines and Geology Deptt
Panchkula



Test Report

Page No. 1/1

Sample Number : VEL/01
Name & Address of the Party : M/S DLF Homes Panchkula Private Limited,
Residential Plotted Colony Village
Bhagwanpur, Sector-3, Pinjore Kalka Urban Complex,
District Panchkula, Haryana

Report No. : VEL/AP/2403280026
Format No : 7.8 F-03
Party Reference No : NIL
Reporting Date : 02/04/2024
Period of Analysis : 28/03/2024-02/04/2024
Receipt Date : 28/03/2024

Name of Sample : AMBIENT AIR
Sample Group : Atmospheric Pollution

General Information

Sampling Location : SS Construction Coluster-14&15
Sample Collected By : VEL Representative (Suchir)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/FPS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/03/2024 To 28/03/2024
Time of Monitoring : 12:20 PM to 12:20 PM
Ambient Temperature (°C) : Min.23°C, Max.30°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS : 5182
Sampling Duration : 24.0 Hrs.
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)	87.20	µg/m ³	100
2	Particulate Matter (as PM - 2.5)	IS:5182 (P- 24)	48.12	µg/m ³	60
3	Nitrogen Dioxides (as NO2)	IS 5182 (P- 6)	19.10	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2)	10.45	µg/m ³	80
5	#Carbon Monoxide (as CO)	IS 5182 (P-10), NDIR Method	0.76	mg/m ³	4.0

#Indicates 1 hour monitoring of CO.

End of Report

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Test Report

Page No. 1/1

Sample Number : VEL/02
Name & Address of the Party : M/S DLF Homes Panchkula Private Limited
*Residential Plotted Colony Village
Bhagwanpur, Sector-3, Pinjore Kalka Urban Complex,
District Panchkula, Haryana

Report No. : VEL/AP/2403280027
Format No : 7.8 F-03
Party Reference No : NIL
Reporting Date : 02/04/2024
Period of Analysis : 29/03/2024-02/04/2024
Receipt Date : 28/03/2024

Name of Sample : AMBIENT AIR
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Cluster-8
Sample Collected By : VEL Representative (Sudhi)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/FPS/06
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/03/2024 To 28/03/2024
Time of Monitoring : 12:10 PM to 12:10 PM
Ambient Temperature (°C) : Min. 23°C, Max. 30°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS : 5182
Sampling Duration : 24.0 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	Limit as per NAAQS
Discipline : Chemical					
1	Particulate Matter (as PM \cdot 10)	IS:5182 (P-23)	89.00	$\mu\text{g}/\text{m}^3$	100
2	Particulate Matter (as PM - 2.5)	IS:5182 (P- 24)	42.15	$\mu\text{g}/\text{m}^3$	50
3	Nitrogen Dioxides (as NO ₂)	IS 5182 (P- 6)	17.20	$\mu\text{g}/\text{m}^3$	80
4	Sulphur Dioxide (as SO ₂)	IS 5182 (P- 2)	8.12	$\mu\text{g}/\text{m}^3$	80
5	#Carbon Monoxide (as CO)	IS 5182 (P-10), NDIR Method	0.75	mg/m^3	4.0

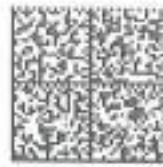
#Indicates 1 hour monitoring of CO.

End of Report

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Test Report

Page No. 1/1

Sample Number : VEL/03

Name & Address of the Party : M/S DLF Homes Panchkula Private Limited.

*Residential Plotted Colony Village
Bhagwanpur, Sector-3, Pinjore Kalka Urban Complex,
District Panchkula, Haryana

Report No. : VEL/AP/2403280028

Format No : 7.8 F-03

Party Reference No : NIL

Reporting Date : 02/04/2024

Period of Analysis : 29/03/2024-02/04/2024

Receipt Date : 28/03/2024

Name of Sample : AMBIENT AIR

Sample Group : Atmospheric Pollution

General Information

Sampling Location : RKV Site Near Main Gate
Sample Collected By : VEL Representative (Sudhir)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/FPS/08
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/03/2024 To 28/03/2024
Time of Monitoring : 12:00 PM to 12:00 PM
Ambient Temperature (°C) : Min.23°C, Max.30°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS : 5182
Sampling Duration : 24.0 Hrs.
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)	95.12	µg/m ³	100
2	Particulate Matter (as PM - 2.5)	IS:5182 (P- 24)	42.10	µg/m ³	60
3	Nitrogen Dioxides (as NO ₂)	IS 5182 (P- 6)	15.00	µg/m ³	80
4	Sulphur Dioxide (as SO ₂)	IS 5182 (P- 2)	5.24	µg/m ³	80
5	#Carbon Monoxide (as CO)	IS 5182 (P-10), NDIR Method	0.86	mg/m ³	4.0

#Indicates 1 hour monitoring of CO.

End of Report

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Test Report

Sample Number : VEL/04
 Name & Address of the Party : M/S DLF Homes Panchkula Private Limited.
 *Residential Plotted Colony Village
 Bhagwanpur, Sector-3, Pinjra Kalka Urban Complex,
 District Panchkula, Haryana

Report No. : VEL/AP/2403280029
 Format No : 7.8 F-03
 Party Reference No : NIL
 Reporting Date : 02/04/2024
 Period of Analysis : 28/03/2024-02/04/2024
 Receipt Date : 28/03/2024

Name of Sample : AMBIENT NOISE
 Sample Group : Atmospheric Pollution

General Information

Sampling Location : SS Construction Coluster-14&15
 Sample Collected By : VEL Representative (Sudhir)
 Sampling Equipment used : Sound Level Meter
 Instrument Code : VEL/SLM/08
 Instrument Calibration Status : Calibrated
 Meteorological condition during monitoring : Clear Sky
 Date of Monitoring : 27/03/2024 To 28/03/2024
 Time of Monitoring : 06:00 AM to 06:00 AM
 Ambient Temperature (°C) : Min.23°C, Max.30°C
 Surrounding Activity : Human & Vehicular Activities
 Scope of Monitoring : Regulatory Requirement
 Sampling & Analysis Protocol : CPCB
 Sampling Duration : 24.0 Hrs.
 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	52.00	41.10	dB (A)

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

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

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

*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale 'A' which is relatable to human hearing.

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

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Test Report

Page No. 1/1

Sample Number : VEL/05
Name & Address of the Party : M/S DLF Homes Panchkula Private Limited.
*Residential Plotted Colony Village
Bhagwanpur Sector-3, Pinjore Kalka Urban Complex,
District Panchkula, Haryana

Report No. : VEL/AP/2403260030
Format No : 7.8 F-03
Party Reference No : NIL
Reporting Date : 02/04/2024
Period of Analysis : 28/03/2024-02/04/2024
Receipt Date : 28/03/2024

Name of Sample : AMBIENT NOISE
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Cluster-8
Sample Collected By : VEL Representative (Sudhir)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/09
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/03/2024 To 28/03/2024
Time of Monitoring : 06:00 AM to 06:00 AM
Ambient Temperature (°C) : Min.18°C, Max.30°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : CPCB
Sampling Duration : 24.0 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
Discipline : Chemical					
1	Leq	IS-9989	51.23	42.00	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 relative to human hearing

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

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Test Report

Sample Number : VEL/06
 Name & Address of the Party : M/S DLF Homes Panchkula Private Limited.
 *Residential Plotted Colony Village
 Bhagwanpur, Sector-3, Pinjore Kalka Urban Complex,
 District Panchkula, Haryana

Report No. : VEL/AP/2403280031
 Format No : 7.8 F-03
 Party Reference No : NIL
 Reporting Date : 02/04/2024
 Period of Analysis : 28/03/2024-02/04/2024
 Receipt Date : 28/03/2024

Name of Sample : AMBIENT NOISE
 Sample Group : Atmospheric Pollution

General Information

Sampling Location : RKV Site Near Main Gate
 Sample Collected By : VEL Representative (Sudhir)
 Sampling Equipment used : Sound Level Meter
 Instrument Code : VEL/SLM10
 Instrument Calibration Status : Calibrated
 Meteorological condition during monitoring : Clear Sky
 Date of Monitoring : 27/03/2024 To 28/03/2024
 Time of Monitoring : 06:00 AM to 06:00 AM
 Ambient Temperature (°C) : Min. 23°C, Max. 30°C
 Surrounding Activity : Human & Vehicular Activities
 Scope of Monitoring : Regulatory Requirement
 Sampling & Analysis Protocol : CPCB
 Sampling Duration : 24.0 Hrs.
 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	50.00	41.00	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 reliable to human hearing.

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

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Test Report

Page No. 1/1

Sample Number : VEL07
 Name & Address of the Party : M/S DLF Homes Panchkula Private Limited,
 *Residential Plotted Colony Village
 Bhagwanpur, Sector-3, Pinjore Kalka Urban Complex,
 District: Panchkula, Haryana

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

Report No. : VEL/AP/2403280032
 Format No : 7.8 F-03
 Party Reference No : NIL
 Reporting Date : 02/04/2024
 Period of Analysis : 29/03/2024-02/04/2024
 Receipt Date : 28/03/2024

General Information

Sampling Location : DG Set Area
 Sample Collected By : VEL Representative (Sudhir)
 Date of Sampling : 27/03/2024
 Sampling duration (Minutes) : 40.0
 Stack attached to : DG Set No.1 (125 KVA)
 Make of stack : MS
 Type of Fuel Used : HSD
 Diameter of stack(m) : 0.15 Mtr.
 Height of stack(m) : 2.74 Mtr.
 Instrument calibration status : Calibrated
 Meteorological Condition : Clear Sky
 Ambient Temperature - Ta (°C) : 28.0
 Temperature of Stack Gases - Ts (°C) : 156.0
 Velocity of Stack Gases (m/sec.) : 8.12
 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)	0.245	gm/kw-hr	0.40
3	Total Hydrocarbon (as HC)	VEL/ENV/STP/STIFGA/01, Issue No.-01,01/11/21	0.112	gm/kw-hr	0.19
4	Carbon Monoxide (as CO)	VEL/ENV/STP/STIFGA/01, Issue No.-01,01/11/21	0.362	gm/kw-hr	<3.5

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Test Report

Page No. 1/1

Sample Number : VEL/08
Name & Address of the Party : M/S DLF Homes Panchkula Private Limited,
"Residential Plotted Colony Village
Bhagwanpur, Sector-3, Pinjore Kalka Urban Complex,
District Panchkula, Haryana

Report No. : VEL/AP/2403280033
Format No : 7.8 F-03
Party Reference No : NIL
Reporting Date : 02/04/2024
Period of Analysis : 28/03/2024-02/04/2024
Receipt Date : 28/03/2024

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

General Information

Sampling Location : DG Set Area
Sample Collected By : VEL Representative (Sudhir)
Date of Sampling : 27/03/2024
Sampling duration (Minutes) : 41.0
Stack attached to : DG Set No.2 (125 KVA)
Make of stack : MS
Type of Fuel Used : HSD
Diameter of stack(m) : 0.15 Mtr.
Height of stack(m) : 2.74 Mtr.
Instrument calibration status : Calibrated
Meteorological Condition : Clear Sky
Ambient Temperature - Ta (°C) : 28.0
Temperature of Stack Gases - Ts (°C) : 155.0
Velocity of Stack Gases (m/sec.) : 7.85
Flow rate of PM (LPM) : 21.0
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)	0.015	gm/kw-hr	0.02
2	Oxide of Nitrogen (as NOx)	IS:11255 (P-7)	0.315	gm/kw-hr	0.40
3	Total Hydrocarbon (as HC)	VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21	0.137	gm/kw-hr	0.19
4	Carbon Monoxide (as CO)	VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21	0.267	gm/kw-hr	<3.5

End of Report

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Test Report

Page No. 1/1

Sample Number : VEL/09
 Name & Address of the Party : M/S DLF Homes Panchkula Private Limited.
 "Residential Plotted Colony Village
 Bhagwanpur, Sector-3, Pinjore Kalka Urban Complex,
 District Panchkula, Haryana

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

Report No. : VEL/AP/2403280034
 Format No : 7.8 F-03
 Party Reference No : NIL
 Reporting Date : 02/04/2024
 Period of Analysis : 28/03/2024-02/04/2024
 Receipt Date : 28/03/2024

General Information

Sampling Location : DG Set Area
 Sample Collected By : VEL Representative (Sudhir)
 Date of Sampling : 27/03/2024
 Sampling duration (Minutes) : 41.0
 Stack attached to : DG Set No.3 (62.5 KVA)
 Make of stack : MS
 Type of Fuel Used : HSD
 Diameter of stack(m) : 0.15 Mtr.
 Height of stack(m) : 2.74 Mtr.
 Instrument calibration status : Calibrated
 Meteorological Condition : Clear Sky
 Ambient Temperature - Ta (°C) : 30.0
 Temperature of Stack Gases - Ts (°C) : 135.0
 Velocity of Stack Gases (m/sec.) : 8.12
 Flow rate of PM (LPM) : 23.0
 Flow rate of Gas (LPM) : 2.0
 Sampling condition : Isokinetic
 Protocol used : IS 11255 & EPA

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
Discipline : Chemical					
1	Particulate Matter (as PM)	IS:11255 (P-1)	0.023	gm/kw-hr	0.03
2	Oxide of Nitrogen (as NOx)	IS:11255 (P-7)	0.245	gm/kw-hr	4.7**
3	Total Hydrocarbon (as HC)	VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21	0.115	gm/kw-hr	**
4	Carbon Monoxide (as CO)	VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21	0.315	gm/kw-hr	<3.5

**Standard Limit for (NOX+HC)

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Test Report

Page No. 1/1

Sample Number : VEL/10
Name & Address of the Party : M/S DLF Homes Panchkula Private Limited,
"Residential Plotted Colony Village
Bhagwanpur, Sector-3, Pinjore Kalka Urban Complex,
District Panchkula, Haryana

Report No. : VEL/AP/2403280035
Format No : 7.5 F-03
Party Reference No : NIL
Reporting Date : 02/04/2024
Period of Analysis : 28/03/2024-02/04/2024
Receipt Date : 28/03/2024

Name of Sample : DG Noise
Sample Group : Atmospheric Pollution

General Information

Sampling Location : DG Set No-2 (125 KVA)
Sample Collected By : VEL Representative (Sudhir)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM10
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/03/2024
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	99.5	72.5	27.0
2	CPCB Limit in Leq dB (A)	--	--	75.0 (Max.)	25.0 (Min.)

End of Report

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Test Report

Page No. 1/1

Sample Number : VEL/11
Name & Address of the Party : M/S DLF Homes Panchkula Private Limited,
"Residential Plotted Colony Village
Bhagwanpur, Sector-3, Pinjore Kalka Urban Complex,
District Panchkula, Haryana

Report No. : VEL/AP/2403280036
Format No : 7.6 F-03
Party Reference No : NIL
Reporting Date : 02/04/2024
Period of Analysis : 28/03/2024-02/04/2024
Receipt Date : 28/03/2024

Name of Sample : DG Noise
Sample Group : Atmospheric Pollution

General Information

Sampling Location : DG Set No-1(125 KVA)
Sample Collected By : VEL Representative (Sudhir)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/10
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/03/2024
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	98.6	72.5	26.1
2	CPCB Limit in Leq dB (A)	--	--	75.0 (Max.)	25.0 (Min.)

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Test Report

Page No. 1/1

Sample Number : VEL/12
Name & Address of the Party : M/S DLF Homes Panchkula Private Limited.
*Residential Plotted Colony Village
Bhagwanpur, Sector-3, Pinjora Kalka Urban Complex,
District Panchkula, Haryana

Report No. : VEL/AP/2403280037
Format No : 7.8 F-03
Party Reference No : NIL
Reporting Date : 02/04/2024
Period of Analysis : 28/03/2024-02/04/2024
Receipt Date : 28/03/2024

Name of Sample : DG Noise
Sample Group : Atmospheric Pollution

General Information

Sampling Location : DG Set No.-3 (62.5 KVA)
Sample Collected By : VEL Representative (Sudhir)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/11
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/03/2024
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	97.2	72.0	25.2
2	CPCB Limit in Leq dB (A)	--	--	75.0 (Max.)	25.0 (Min.)

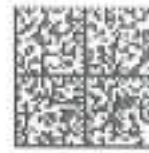
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Test Report

Page No. 1/2

Sample Number : VEL/012
Name & Address of the Party : M/S DLF Homes Panchkula Private Limited.
Residential Plotted Colony Village
Bhagwanpur, Sector-3, Pinjre Kalka Urban Complex,
District Panchkula, Haryana

Report No. : VEL/PE/2403280011
Format No : 7.8 F-03
Party Reference No : NIL
Reporting Date : 02/04/2024
Period of Analysis : 28/03/2024-02/04/2024
Receipt Date : 28/03/2024
Sampling Date : 27/03/2024
Sampling Quantity : 2.0 Kg
Sampling Type : Composite
Packing Status : Team Sealed

Name of Sample : SOIL
Sample Group : Pollution & Environment
Location : Project Site
Sample Collected By : VEL Representative (Sudhir)
Environmental Condition : 25±2°C
Parameter Required : As per work order
Sampling and Analysis Protocol : IS 2720, APHA & USDA

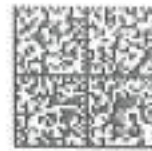
S.No.	Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH (at 25°C)	IS : 2720 (P-26)	7.62	--
2	Electrical Conductivity	IS :14767	0.305	mS/cm
3	Colour	VEL/STP/EN/67, Issued No.- 01, 01/11/2021	Yellowish Brown	--
4	Water holding capacity	VEL/STP/EN/86, Issued No.- 01, 01/11/2021	35.20	%
5	Bulk density	VEL/STP/EN/59, Issued No.- 01, 01/11/2021	1.90	gm/cc
6	Chloride (as Cl)	VEL/STP/EN/69, Issued No.- 01, 01/11/2021	125.20	mg/kg
7	Calcium (as Ca)	VEL/STP/EN/72, Issued No.- 01, 01/11/2021	129.20	mg/kg
8	Sodium (as Na)	VEL/STP/EN/62, Issued No.- 01, 01/11/2021	120.20	mg/kg
9	Potassium (as K)	VEL/STP/EN/61, Issued No.- 01, 01/11/2021	45.20	mg/kg
10	Organic Matter	IS 2720 (P-22)	0.42	%
11	Magnesium (as Mg)	VEL/STP/EN/72, Issued No.- 01, 01/11/2021	12.20	mg/kg
12	Available Nitrogen (as N)	IS 14684	125.42	kg./hec.
13	Available Phosphours	VEL/STP/EN/73, Issued No.- 01, 01/11/2021	25.12	kg./hec.
14	Total Zinc (as Zn)	VEL/STP/HW/03, Issued No.- 01, 01/11/2021	6.20	mg/kg
15	Total Manganese (as Mn)	VEL/STP/HW/03, Issued No.- 01, 01/11/2021	5.12	mg/kg
16	Total Chromium (as Cr)	VEL/STP/HW/03, Issued No.- 01, 01/11/2021	0.25	mg/kg
17	Total Lead (as Pb)	VEL/STP/HW/03, Issued No.- 01, 01/11/2021	0.65	mg/kg
18	Total Cadmium (as Cd)	VEL/STP/HW/03, Issued No.- 01, 01/11/2021	BLQ(LOQ-0.5)	mg/kg

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Test Report

Page No. 2/2

Sample Number : VEL/D12

Report No. : VEL/PE/2403280011

S.No.	Parameters	Test Method	Results	Units
19	Total Copper (as Cu)	VEL/STP/HW/03, Issued No.- 01, 01/11/2021	2.12	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.

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Test Report

Page No. 1/3

Sample Number : VEL/01
Name & Address of the Party : M/S DLF Homes Panchkula Private Limited.
Residential Plotted Colony Village
Bhagwanpur, Sector-3, Pinjore Kalka Urban Complex,
District Panchkula, Haryana

Report No. : VEL/W/2403280006
Format No : 7.8 F 03
Party Reference No : NIL
Reporting Date : 02/04/2024
Period of Analysis : 28/03/2024-02/04/2024
Receipt Date : 28/03/2024
Sampling Date : 27/03/2024
Sampling Quantity : 2.0 Ltr.+250ml
Sampling Type : Grab

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

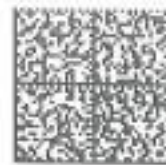
S.No.	Test Parameters	Test Method	Results	Units	Requirement as per IS:10500-2012#	
					Acceptable Limits	Permissible Limits
Discipline : Chemical						
1	pH (at 25°C)	IS 3025 (P-11)	7.60	--	6.5 to 8.5	No Relaxation
2	Colour,max	IS 3025 (P-4)	BLQ(LOQ-1.0)	Hazen	5	15
3	Turbidity,max	IS 3025 (P-10)	BLQ(LOQ-1.0)	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)	115.00	mg/L	500	2000
7	Calcium (as Ca),max	IS 3025 (P-40)	18.20	mg/L	75	200
8	Alkalinity (as CaCO3)	IS 3025 (P-23)	72.20	mg/L	200	600
9	Chloride (as Cl),max	IS 3025 (P-32)	15.90	mg/L	250	1000
10	Magnesium (as Mg),max	APHA,3500 Mg B	9.62	mg/L	30	100
11	Total Hardness (as CaCO3),max	IS 3025 (P-21)	85.10	mg/L	200	600
12	Sulphate (as SO4),max	IS 3025 (P-24)	8.20	mg/L	200	400
13	Fluoride (as F),max	APHA 4500 F D	BLQ(LOQ-0.2)	mg/L	1.0	1.5
14	Nitrate (as NO3),max	IS: 3025(P-34) Chromotropic Method	BLQ(LOQ-1.0)	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-0.0 1)	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-0.0 05)	mg/L	0.03	0.2

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Test Report

Sample Number : VEL/01

Report No. : VEL/W/2403280008

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-60)	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

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Test Report

Sample Number : VEL/01

Report No. : VEL/W/2403280006

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



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MUNICIPAL CORPORATION CHANDIGARH
C&D WASTE PROCESSING PLANT,
INDUSTRIAL AREA ,PHASE-1,CHANDIGARH.

SERIAL NO.: 022086 VEH. NO. : CH01TB7825 VEH.TYPE : P
CHARGE 1ST: 0/- MATERIAL : C&D WASTETD PARTY REF.: AMERABATI DLF

GROSS WEIGHT : 3920 Kg 25/03/23,11:38
TARE WEIGHT : 2155 Kg 25/03/23,12:02
NET WEIGHT : 1765 Kg

THANKS TO SAVE ENVIRONMENT



Shot on OnePlus
By Sumitprasad





Environment Policy

25th January 2023

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

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

We are committed to:

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

A handwritten signature in black ink, appearing to read 'P. Ramakrishnan'.

P. Ramakrishnan

Chief Technical Officer, DLF LTD

PUBLIC NOTICE

General Public is hereby informed that the State Environment Impact Assessment Authority (SEIAA), Haryana, Bay No. 55-58, Prayatan Bhawan, Sector-2, Panchkula, Haryana, vide its EC Identification No. EC22B039HR139137 dt 19/09/2022 has been accorded Environmental Clearance for the "Proposed Residential Plotted Colony" over an land area measuring 34.229 acers in the revenue estate of Village Bhagwanpur, Sector 3, Pinjore Kalka Urban Complex, District Panchkula, Haryana is being Developed by M/s DLF Homes Panchkula Pvt. Ltd in accordance with the provisions of the EIA Notification, 2006 under the Environment (Protection) Act, 1986. General Public is further informed that details of the aforesaid Environmental Clearance Letter are displayed at website of MoEF&CC / SEIAA, Haryana (<http://www.environmentclearance.nic.in>). This public notice is issued in compliance to the Miscellaneous Condition no. X (i) of the above mentioned Environment Clearance Letter.

Place: Chandigarh
Date: 22.09.2022

Authorized Signatory
For DLF Home Panchkula Pvt. Ltd.,
Bhagwanpura, Surajpur, Panchkula,
Haryana - 133301



Directorate of Handicrafts, HoD Building, Unit Expression of Interest

No. 4440

In continuation to the advertisement (three) leading English dailies, "Express", "The Indian Express" and "The New Indian Express" through reputed Agencies / Institutions for Geographical Indication (GI) Registration assignment. The sealed EOI may be sent to the Directorate of Handicrafts as per the address mentioned above by speed post / registered post only for details of EOI for GI Registration of Handicrafts visit our website <https://crafts.odisha.gov.in> and submit response to advertisement published on 22.09.2022. No application will be accepted after the deadline. Apply again.

सार्वजनिक सूचना

आम जनता को एतद्वारा सूचित किया जाता है कि राज्य पर्यावरण प्रभाव मूल्यांकन प्राधिकरण (एसईआईए), हरियाणा, बे नं. 55-58, पर्यटन भवन, सेक्टर-2, पंचकुला, हरियाणा ने अपनी पर्यावरणीय स्वीकृति पहचान संख्या ईसी22बी039एचआर139137 दिनांक 19/09/2022 के तहत पर्यावरण (संरक्षा) अधिनियम, 1986 के अधीन ईआईए अधिसूचना, 2006 के प्रावधानों के अनुरूप ग्राम भगवानपुर, सेक्टर 3, पिंजौर कालका शहरी परिसर, जिला पंचकुला, हरियाणा की राजस्व संपत्ति में 34.229 एकड़ भूमि क्षेत्र में "प्रस्तावित आवासीय प्लॉट कॉलोनी" मैसर्स डीएलएफ होम्स पंचकुला प्राइवेट लिमिटेड द्वारा विकसित की जा रही है। आम जनता को आगे सूचित किया जाता है कि उपर्युक्त पर्यावरणीय स्वीकृति पत्र पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय/एसईआईए, हरियाणा की वेबसाइट: (<http://www.environmentclearance.nic.in>) प्रदर्शित किया गया है। यह सार्वजनिक सूचना ऊपर वर्णित पर्यावरणीय स्वीकृति पत्र की विविध शर्त सं. X(i) के अनुपालन में जारी की गई है।

अधिकृत हस्ताक्षरी

कृते डीएलएफ होम पंचकुला प्राइवेट लिमिटेड

भगवानपुरा, सूरजपुर, पंचकुला,

हरियाणा, 133301.

स्थान-चंडीगढ़

दिनांक: 22.09.2022



न्यूक्लियर पावर कॉर्पोरेशन ऑफ इंडिया लिमिटेड

Nuclear Power Corporation of India Limited



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

To,

The Authorized Signatory
DLF HOMES PANCHKULA PRIVATE LIMITED
DLF Gateway Tower, 2nd Floor, R-Block, DLF City Phase-III, Gurugram-
122002 Haryana -122002

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

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)
in respect of project submitted to the SEIAA vide proposal number
SIA/HR/MIS/77517/2022 dated 09 Jul 2022. The particulars of the environmental
clearance granted to the project are as below.

- | | |
|---|---|
| 1. EC Identification No. | EC22B039HR139137 |
| 2. File No. | SEIAA/HR/2022/194 |
| 3. Project Type | New |
| 4. Category | B1 |
| 5. Project/Activity including
Schedule No. | 8(b) Townships and Area Development
projects. |
| 6. Name of Project | "Proposed Residential Plotted Colony"
over an land area measuring 34.0104
acres in the revenue estate of Village-
Bhagwanpur, Sector-3, Pinjore Kalka
Urban Complex, District Panchkula ,
Haryana is being developed by M/s DLF
Homes Panchkula Pvt. Ltd. |
| 7. Name of Company/Organization | DLF HOMES PANCHKULA PRIVATE
LIMITED |
| 8. Location of Project | Haryana |
| 9. TOR Date | 06 Jun 2022 |

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

Date: 19/09/2022

(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)



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

Tel: 0172-2565232, 4043956

E-mail Id: seiaa-21.env@hry.gov.in

Subject: EC for Project “Proposed Residential Plotted Colony” over land measuring 34.229 acres in the Revenue Estate of Village Bhagwanpur, Sector 3, Pinjore Kalka Urban Complex, District Panchkula, Haryana by M/s DLF Homes Panchkula Private Limited.

This has reference to your Proposal No. SIA/HR/MIS/77517/2022 on 09.07.2022 for seeking prior Environmental Clearance (EC) for the above project under the EIA Notification, 2006 along with submission of required Scrutiny Fee amounting of Rs. 2,00,000/- vide DD. No.069544 dated 09.12.2021 in compliance of Haryana Government, Environment & Climate Change Notification No. DE&CCH/3060 dated 14th October, 2021. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., Form-1, Form1-A, Conceptual Plan, EIA/EMP Report 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 22.08.2022 and 06.09.2022 awarded “Gold” rating / grading to the Project.

2. It is inter-alia, noted that the project involves in Proposed Residential Plotted Colony” over land measuring 34.229 acres in the Revenue Estate of Village Bhagwanpur, Sector 3, Pinjore Kalka Urban Complex, District Panchkula, Haryana.

3. The details of project are as under:

Sr. No.	Particulars	
1.	Online Proposal Number	SIA/HR/MIS/77517/2022
2.	Latitude	30°45'11.54"N
3.	Longitude	76°55'1.93"E
4.	Plot Area	1,38,519.8 m ² / 34.229 Acres
5.	Net Plot Area	1,06,509.8 m ² / 26.31 Acres
6.	Proposed Ground Coverage	46,600 m ²
7.	Proposed FAR	1,57,644 m ²
8.	Non FAR Area	1,15,161 m ²
9.	Total Built Up area	2,72,805 m ²
10.	Total Green Area with %	11,269 m ² (25% of Balance plot area=total site area – (area under plots + area under sector road)
11.	Rain Water Harvesting Pits (with size)	For General Plots of 418.22 m ² area- 107 RWH Pits (L=3.0M x B=1.8M x D=1.52M) For General Plots of 225 m ² area- 56 RWH Pits (L=2.0M x B=1.5M x D=1.47M) For Balance area of 26.328 m ² (including EWS Plots, commercial area & Community area) - 11 RWH pits (Dia-4.2 m and depth -4 m) Total RWH 174
12.	STP Capacity	600 KLD
13.	Total Parking	Within the plots

14.	Organic Waste Converter	Total 3 nos. of OWC of capacity 1,650 Kg/day (1×1,250 Kg/day+1× 250Kg/day + 1 x 150 Kg/day)
15.	Maximum Height of the Building (m)	15.65
16.	Power Requirement	4,675 KW.
17.	Power Backup	1 nos. DG sets of total capacity of 4000 KVA i.e. (1×4,000 KVA)
18.	Water Requirement	597 KLD
19.	Domestic Water Requirement	344 KLD
20.	Fresh Water Requirement	344 KLD
21.	Treated Water	253 KLD
22.	Waste Water Generated	501 KLD
23.	Solid Waste Generated	2,284 Kg/day
24.	Biodegradable Waste	1,370 Kg/day
25.	Basement	1 basement per plot
26.	Number of Towers	NA
27.	Dwelling Units/ EWS	General Plots-163 nos EWS Plots-42 nos
28.	Community Center area	810 m ²
29.	Commercial area	5,544 m ²
30.	Aganwadi cum Crenche	NA
31.	Stories	B+S+4 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:	i) Land Cost
		ii) Construction Cost
		Total Cost of Project: 806 Cr.
34.	EMP Budget	EMP Budget: 2,332.5 Lakhs
35.	Incremental Load in respect of:	i) PM 2.5
		ii) PM 10
		iii) SO ₂
		iv) NO ₂
		v) CO
36.	Construction Phase:	i) Power Back-up
		ii) Water Requirement & Source
		iii) STP (Modular)
		iv) Anti-Smoke Gun
		Temporary electrical connection of 19 KW & 01 DG of 125 KVA
		Fresh water – 10 KLD for drinking & sanitation. Treated wastewater 30 KLD for construction Source: Fresh water – HSVP Construction Water – HSVP
		1 Nos of 5 KLD
		01 Nos of Anti-smoke gun

EMP Budget Table

Description	During Construction Phase			Description	During Operation Phase		
	Capital Cost	Recurring Cost			Capital Cost	Recurring Cost	
	(In Lakhs)	(In Lakhs for 3 Year)	Per Annum		(in Lakhs)	(In Lakhs for 10 Year)	Per Annum
Sanitation and Wastewater Management	2	3	1	Solid Waste Management (Dust bins & OWC)	35	60	6
Mobile Toilet	2.00	6.00	2				

Disinfection / pest control	2.00	6.00	3.00				
Dust Mitigation Measures water sprinkling	10	15	5	Green Belt Development	100.00	170	20.00
Traffic management	3	1.5	.5	Monitoring for Air, Water, Noise & Soil	0.00	7.00	1.00
Waste Management	4	6	2				
PPE for workers & welfare	4	9	3	Rainwater harvesting system	80	72	8.00
Medical cum First Aid facility	1.00	3	1	DG Sets including stack height and acoustics	70	80	10
wheel washing	2.00	4.5	1.5	Sewerage Treatment plant	100	120	15.00
Barricading of site	180	4.5	1.5	Horticulture works	650	500	50
Anti-Smog gun with complete assembly	4	6	2				
Monitoring / testing (air, noise, water, soil, stack emission, STP effluent, DG noise)	2	3	1				
Horticulture works	2	3	1				
Total	218	70.5	24.50	Total	1035	1009	110

4. The State Expert Appraisal Committee, Haryana after due consideration of the relevant documents submitted by the project proponent and additional clarification furnished in response to its observations, have recommended this project for grant of environmental clearance. Accordingly, the State Environment Impact Assessment Authority in its **145th meeting held on 8th – 9th September 2022** decided to agree with the recommendations of SEAC to accord necessary Environmental Clearance for the project under **Category 8(b)** of EIA Notification 2006 subject to the **strict compliance with the following stipulations depicted below:-**

A. Specific conditions:-

1. That the project proponent shall maintain 25% green area of total plot area as submitted in the proposal of the said project.
2. That the project proponent will install 650 KLD STP for the proposed project.
3. 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
4. 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.
5. 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.
6. 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.

7. 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.
8. 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.
9. Traffic management plan as submitted shall be implemented in letter and spirit. Apart, a detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is marinated and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habilitation being carried out or purpose to be carried out by the project or other agencies in this 05 kms radius of the site in different scenarios of space and time
10. 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 $11,269 \text{ m}^2$ (25% of Balance plot area = total site area – (area under plots + area under sector road)) shall be provided for Green Area development for whole project, excluding plot areas.
11. 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.
12. 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.
13. 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 lightning etc.
14. The PP shall obtain the Fire NOC from the Competent Authority before taking the occupation of the building.
15. 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
16. The PP shall enhance solar power capacity upto 3% total power demand.
17. PP has submitted an undertaking that they have applied for Wildlife Clearance from the standing Committee of National Board for Wildlife (NBWL) for the project. PP further enclosed acknowledgement to the effect that proposal (No. FP/HR/Others/6266/2022 dated 04.04.2022) seeking prior approval of Central Government under the Forest (Conservation) Act 1980 has been uploaded on the portal of MoEF&CC for necessary permission/approval for Eco Sensitive Zone of National Wildlife Sanctuary. There are three nearby WLS namely, Bir Shikargah WLS, Khol Hai Raitan WLS and Sukhna WLS.
18. The PP shall not give occupation or possession before the water supply and sewage connection permitted by the competent authority.
19. The PP shall not give occupation or possession before the electricity connection permitted by the competent Authority.
20. 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.
21. The PP shall carry out the quarterly awareness programs for the stakeholders of the project.
22. 174 Rain water harvesting recharge pits shall be provided for ground water recharging as per the CGWB norms
23. The PP shall install Digital water level recorder for monitoring the water recharge and carry out quarterly maintenance and cleaning of RWH pits

24. The PP shall ensure the compliance of provisions of Plastic Waste Management (Amendment) Rules, 2022 relevant for the project.
25. The PP may provide electric charging stations to facilitate electric vehicle commuters.
26. 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.
27. The PP shall take all preventive measures including water sprinkles to control dust during construction and operational phase.
28. Any change in stipulations of EC will lead to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance.
29. The PP shall get agreement with individual plot holder to plant one tree in each plot.

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

1. 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.
2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
3. 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.
4. 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 lowsulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board
5. 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.
6. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
 7. Wet jet shall be provided for grinding and stone cutting.
 8. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
 9. 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.
 10. 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.
 11. 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.
 12. For indoor air quality the ventilation provisions as per National Building Code of India.

II Water Quality Monitoring and Preservation

1. 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.
2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
11. 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.
12. 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.

13. All recharge should be limited to shallow aquifer.
14. No ground water shall be used during construction phase of the project.
15. 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.
16. 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.
17. 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.
18. No sewage or untreated effluent water would be discharged through storm water drains.
19. 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.
20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
21. 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

1. 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.
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 as a part of six-monthly compliance report.
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.

IV Energy Conservation Measures

1. 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.
2. Outdoor and common area lighting shall be LED.
3. 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.
4. 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.
5. 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.
6. 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.

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

V Waste Management

1. 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.
2. 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.
3. 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.
4. 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.
5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
6. 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.
7. 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.
8. 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.
9. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
10. 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

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).
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.
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 green belt development shall be provided as per the details provided in the project document.
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.

VII Transport

1. 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.
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.
 3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

VIII Human Health Issues

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

IX Corporate Environment Responsibility

1. The project proponent shall comply with the provisions of CER, as applicable.
2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions and/ or shareholders/ stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
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.
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 along with the Six Monthly Compliance Report.

X Miscellaneous

- 1) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days

indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.

- 2) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- 3) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- 4) 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.
- 5) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- 6) The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- 7) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- 8) 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.
- 9) No further expansion or modifications in the plan shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)/SEIAA, Haryana. The project proponent shall seek fresh environmental clearance under EIA notification 2006 if at any stage there is change of area of this project.
- 10) Any change in planning of the approved plan will leads to Environment Clearance voidab-initio and PP will have to seek fresh Environment Clearance
- 11) 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.
- 12) 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.
- 13) The Ministry/SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- 14) The Ministry/SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- 15) 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.
- 16) 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.
- 17) The validity of this environment clearance letter is valid up to 10 years from the date of issuance of EC letter (As per MoEF & CC, GoI Notification dated 12.04.2022). 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.

- 18) 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.
- 19) 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, Zor bagh 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, Bay No. 55-58, Prayatan Bhawan, Sector-2, Panchkula, Haryana
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