

DLF LIMITED.

Correspondence Address: -DLF Gateway Tower, DLF Cyber City, Phase – III, Gurgaon-122 002(INDIA)

To,

Date:06th May 2023

The Joint Director/ Scientist 'D' Northern Regional Office Ministry OF Environment, Forest & Climate Change (MoEF&CC) Bays No. 24-25, Sector 31-A, Dakshin Marg Chandigarh

Sub: Submission of Six-monthly Compliance Report of Stipulated Conditions of Environmental Clearance for Affordable Plotted Housing Colony under Deen Dayal Jan Awas Yojana (DDJAY) over land area measuring 26.91875 acres in Sector 93, Village Hayatpur, Sub Tehsil Hasaru, District Gurugram, Haryana for period of October 2022 to March 2023

Sir,

In accordance to the condition of Environmental Clearance for the above project received from State Environmental Impact Authority (SEIAA), Haryana, vide Identification no. **EC22B039HR127912** File No. **SEIAA/HR/2021/409** dated 28/04/2022; we are submitting herewith six monthly Compliance report of stipulated condition of Environmental Clearance (in soft copy "as notification in Gazette of India on 28th November 2018") for the period of October 2022 to March 2023.

Thanking you! Yours Sincerely. For M/s DLE LIMITED

Copy to:

- 1 Chairman, Haryana State Pollution Control Board (HSPCB), C-11, Sector-6, Panchkula, Haryana.
 - . The Member Secretary, State Environment Impact Assessment Authority (SEIAA), Haryana, Bay no. 55-58, Prayavan Bhawan, Sector-2, Panchkula, Haryana

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

Regd. Office: Shopping Mall Complex, Arjun Marg, DLF City, Phase-1, Gurgaon-122002



DLF LIMITED.

Correspondence Address: -DLF Gateway Tower, DLF Cyber City, Phase – III, Gurgaon-122 002(INDIA)

To,

Date 4th May 2023

The Joint Director/ Scientist 'D' Northern Regional Office Ministry OF Environment, Forest & Climate Change (MoEF&CC) Bays No. 24-25, Sector 31-A, Dakshin Marg Chandigarh

Sub: Submission of Six-monthly Compliance Report of Stipulated Conditions of Environmental Clearance for Affordable Plotted Housing Colony under Deen Dayal Jan Awas Yojana (DDJAY) over land area measuring 26.91875 acres in Sector 93, Village Hayatpur, Sub Tehsil Hasaru, District Gurugram, Haryana for period of October 2022 to March 2023

Sir,

In accordance to the condition of Environmental Clearance for the above project received from State Environmental Impact Authority (SEIAA), Haryana, vide Identification no. **EC22B039HR127912** File No. **SEIAA/HR/2021/409** dated 28/04/2022; we are submitting herewith six monthly Compliance report of stipulated condition of Environmental Clearance (in soft copy "as notification in Gazette of India on 28th November 2018") for the period of October 2022 to March 2023.





Copy to:

- 1. Chairman, Haryana State Pollution Control Board (HSPCB), C-11, Sector-6, Panchkula, Haryana.
- . The Member Secretary, State Environment Impact Assessment Authority (SEIAA), Haryana, Bay
- no. 55-58, Prayavan Bhawan, Sector-2, Panchkula, Haryana



Submission of Six-monthly Compliance Report of Stipulated Conditions of Environmental Clearance for Affordable Plotted Housing Colony under Deen Dayal Jan Awas Yojana (DDJAY) over land area measuring 26.91875 acres in Sector 93, Village Hayatpur, Sub Tehsil Hasaru, District Gurugram, Haryana for period of October 2022 to March 2023

1 message

Six Monthly Report <smcompliancereport@gmail.com>

Thu, May 18, 2023 at 2:55 PM

To: eccompliance-nro@gov.in

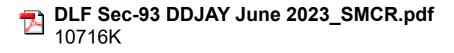
Respected Sir,

In accordance to the condition of Environmental Clearance for the above project received from State Environmental Impact Authority (SEIAA), Haryana, vide Identification no. **EC22B039HR127912** File No. **SEIAA/HR/2021/409** dated 28/04/2022; we are submitting herewith six monthly Compliance report of stipulated condition of Environmental Clearance for the period of October 2022 to March 2023.

Thanking you!

Yours Sincerely,

For M/s DLF LIMITED



M Inbo	ox (1) 🗙 M Reg	gistrat 🗙 M E	EC for D 🗙 📔 😒	WhatsAp x	🥸 Welcom 🗙 🛛 🔇	Welcom: X	🔕 Welcom	× S Welcom	× S Untitled	🗙 附 Gmail	× +	\sim	- 0	×
\leftrightarrow \rightarrow	C 🔒 envir	ronmentclearan	ce.nic.in/state/C	Compliance_repo	ort.aspx?Cat_Id=SIA/H	HR/MIS/63304,	/2021&typ	e=1				e r	r 🔲 🗛	÷
ereite seite "Pro Act	PARIV परिव		iteractive, Virtuo	us and Environme	ntal Singlewindow Hub	_,"			User	nment Impact ID: [ddjayojna gout	Assessment Aut @gmail.com]	hority		
			Proposal No :	SIA/HR/MIS/63	304/2021			Proposal Name :	under Deen Day (DDJAY) over 1					
			Category :	INFRA-2				MoEF File No. :	SEIAA/HR/2021/4	09				
Com	pliance Letter/Rep	oort												
		Yea	ar of Compliance:	-All Years-	~				Date of Compliar	ce*: Select	~			
			Remarks :					Upload Co	mpliance Letter/Rep	ort * : Choose file	e No file chosen		(.pdf only)	1
						SUE	BMIT							
Sno.	Proposal No.		Uploaded copy	of Compliance re	port			Remarks			Uploaded Date	Dele	te	
1	SIA/HR/MIS/63304	4/2021	11302022454879	986DLFSec-93DDJ/	YDec2022_SMCR.pdf			Six Monthly Complia	ance Report of Decem	ber 2022	30/11/2022		×	
2	SIA/HR/MIS/63304	4/2021	05312023961050	017DLFSec-93DDJ/	YJune2023_SMCR.pdf			Six Monthly Complia	ance Report of June 2	023	31/05/2023		×	
4														+
Par	rivesh portal Udo	ocx 🔨 🖉	Parivesh porta	al Udocx \land	Receivings.Pl	DF	^ 🔒	Scan_20230605_10	0pdf 🔨 🔒	Scan_20230605	_10pdf 🔨		Show all	×
• 34' Ho	°C ot weather				Q Search	b		🔮 🧕	- 🛛 💵			<mark>ୁ ମ</mark> ି ଏ)	12:19 05-06-2023	2



DLF LIMITED.

Correspondence Address: -DLF Gateway Tower, DLF Cyber City, Phase – III, Gurgaon-122 002(INDIA)

To,

Date:04th May 2023

The Joint Director/ Scientist 'D' Northern Regional Office Ministry OF Environment, Forest & Climate Change (MoEF&CC) Bays No. 24-25, Sector 31-A, Dakshin Marg Chandigarh

Sub: Submission of Six-monthly Compliance Report of Stipulated Conditions of Environmental Clearance for Affordable Plotted Housing Colony under Deen Dayal Jan Awas Yojana (DDJAY) over land area measuring 26.91875 acres in Sector 93, Village Hayatpur, Sub Tehsil Hasaru, District Gurugram, Haryana for period of October 2022 to March 2023

Sir,

In accordance to the condition of Environmental Clearance for the above project received from State Environmental Impact Authority (SEIAA), Haryana, vide Identification no. **EC22B039HR127912** File No. **SEIAA/HR/2021/409** dated 28/04/2022; we are submitting herewith six monthly Compliance report of stipulated condition of Environmental Clearance (in soft copy "as notification in Gazette of India on 28th November 2018") for the period of October 2022 to March 2023.



Copy to:

- 1. Chairman, Haryana State Pollution Control Board (HSPCB), C-11, Sector-6, Panchkula, Haryana.
- 2. The Member Secretary, State Environment Impact Assessment Authority (SEIAA), Haryana, Bay no. 55-58, Prayavan Bhawan, Sector-2, Panchkula, Haryana

Six-Monthly Environmental Compliance Report of Stipulated Conditions of Environmental Clearance (October 2022 to March 2023)

FOR

Affordable Plotted Housing Colony under Deen Dayal Jan Awas Yojana (DDJAY) over land area measuring 26.91875 acres in Sector 93, Village Hayatpur, Sub Tehsil Hasaru, District Gurugram

M/S DLF LIMITED

Submission to: Ministry of Environment, Forests & Climate Change,

> Submitted by: M/S DLF LIMITED

> > May, 2023

TABLE OF CONTENTS

SI. No.	Contents	Page No.
Chapter 1	Introduction and Project Description	
1.1	Introduction	4
1.2	Project Description	4
1.3	Present Status	4
1.4	Purpose of the Report	4
-		
Chapter 2	Compliance of Stipulated Conditions of Environmental Clearance	
	Specific Conditions for buildings in operational phase	
Part A	Specific Conditions	6
Part B	Standard Conditions	10
Chapter 3	Details of Environmental Monitoring	
3.1	Ambient Air Quality Monitoring	25
3.1.1	Ambient Air Quality Monitoring Stations	25
3.1.2	Ambient Air Quality Monitoring Methodology	25
3.1.3	Ambient Air Quality Monitoring Results	26
3.1.4	Discussion on Ambient Air Quality in the Study Area	26
3.2	Ambient Noise Monitoring	27
3.2.1	Ambient Noise Monitoring Locations	27
3.2.2	Methodology of Noise Monitoring	27
3.2.3	Ambient Noise Monitoring Results	28
3.2.4	Discussion on Ambient Noise Levels in the Study Area	28
3.3	Groundwater Quality Monitoring	28
3.4	Soil Monitoring	28
3.4.1	Soil Monitoring Locations	28
3.4.2	Methodology of Soil Monitoring	28
3.4.3	Soil Monitoring Results	29
3.4.4	Discussion on Soil Characteristics in the Study Area	29
Tables		
3.1	Details of Ambient Air Quality Monitoring Stations	25
3.2	Techniques used for Ambient Air Quality Monitoring	26
3.3	Ambient Air Quality Monitoring Results	26
3.4	Details of Ambient Noise Monitoring Stations	27
3.5	Ambient Noise Monitoring Results	27
3.6	Details of Soil Quality Monitoring Location	28
3.7	Physico-Chemical Characteristics of Soil in the Study Area	29
Figures		
3.1	Location-wise Variation of Ambient Air Quality	26
3.2	Location-wise Variation of Ambient Noise Levels	28

June 2023

SI. No.	Contents	Page No.
Annex		
1.	Environment Clearance Letter	
2.	Revenue Rasta Letter and layout	
3.	Tree Cutting Permission NOC from Forest Department	
4.	CTE Aravali NOC	
5.	NOC from Forest Department & Aravali NOC	
6.	Environment Monitoring Report	
7.	Site Photographs	
8.	Water Assurance letter	
9.	Green Belt Plan	
10.	Public Notice	
11.	Environmental Policy	

CHAPTER-1

INTRODUCTION AND PROJECT DESCRIPTION

1.1 INTRODUCTION

The Proposed Affordable Plotted Housing Colony under Deen Dayal Jan Awas Yojana (DDJAY) over land area measuring 26.91875 acres in Sector 93, Village Hayatpur, Sub Tehsil Hasaru, District Gurugram, M/S DLF LIMITED

This project has been granted environmental clearance **Identification No. EC22B039HR127912** & File no **SEIAA/HR/2021/409 dated 28th April, 2022** by the State Level Environment Impact Assessment Authority, Haryana copy of the same is attached as **annexure-1**.

1.2 PROJECT DESCRIPTION

Sr.	Particulars	
No.		
01	Plot Area	108936.316 sqm
02	Net Plot Area	108831.098 sqm
03	Proposed Ground Coverage	36154.09 sqm(Residential) 2606 sqm (Commercial)
04	Proposed FAR	Residential– 130900.800 sqm Commercial- 7636 sqm
05	Non FAR Area	133051.459 sqm
06	Total Built Up area	271588.259 sqm
07	Total Green Area with %	6524.370sqm (21.467% of net plot area)
08	Rain Water Storage Tanks	27 Nos.
09	STP Capacity	725 KLD
10	Total Parking	1621 ECS
11	Organic Waste Converter	04 No.
12	Total Green Area	15251.08 sqm

Table 1.1: Brief Description of project (As per Approved EC)

1.3 PRESENT STATUS

The Project is in Construction phase.

1.4 PURPOSE OF THE REPORT

This six-monthly report is being submitted as per the condition stipulated in the Environmental Clearance letter.

Further, the study will envisage the environmental impacts that have generated in the local environment due to the project.

The environmental assessment is being carried out to verify:-

- That the project does not have any adverse environmental impacts in the project area and its surrounding
- Compliance with the conditions stipulated in the Environmental Clearance Letter.
- The Project Management is implementing the environmental mitigation measures as suggested in the approved Form-1, Form-1A, Environmental Management Plan (EMP) and building plans.
- The project proponent is implementing the environmental safeguards in true spirit.
- Any non-conformity in the project with respect to the environmental implication of the project.

CHAPTER-2

COMPLIANCE OF STIPULATED CONDITIONS OF ENVIRONMENTAL CLEARANCE

Name of Project	Group Housing Colony at Village Kherki Majra, Sector 102, Gurugram, Haryana
EC Identification No.	EC22B039HR127912 Dated:- 28/04/2022
File No.	SEIAA/HR/2021/409
Period of compliance Report	October 2022 to March 2023

PART A – SPECIFIC CONDITIONS

Ι.	Sewage shall be treated in the STP based on latest Technology with tertiary treatment i.e. Ultra Filtration to achieve standards ordered by NGT. The Treated effluent from STP shall be recycled /reused for flushing. DG cooling and Gardening. The Dimension of the each component of STP should be properly designed as per Norms.	Sewage will be treated in the STP based on latest technology with tertiary treatment i.e. Ultra filtration. The treated effluent from STP will be recycled/re-used for flushing, gardening, car and street washing.
11.	The PP should provide separate services across revenue Rasta or carry out construction after approval of Competent Authority.	Approval from the Commissioner Municipal corporation manesar has been taken. Copy of the same is attached as Annexure 02.
.	The PP shall spent Rs.5 lakhs on various wildlife conservation activities like artificial nests on the tree, digging of ponds and construction of feeding platforms through Environment Management Plan.	Same will be complied in due Course of Time.
IV.	The PP shall handover the 10% of the area for community development to the authorities as per approval.	Agreed, 10% area for community development will be provided to authorities
V.	The PP shall also develop the Miyawaki Forest as proposed in the EMP with the capital cost of 7.5 lakhs in the area of 1200 sqm outside the project area and maintain the same. The Miyawaki forest shall be develop under the guideline of MD forest corporation Haryana	1200 sqm area will be develop under Miyawaki, undertaking/affidavit has already been submitted at the time of appraisal, the same shall be develop after completion of construction activities.
VI.	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.	Noted. Same will be complied in operation phase.

June 2023

		-
VII.	The PP shall ensure that total 2% of the cost of project shall be spent on EMP Budget. However, the amount and component shown in EMP table above shall also be included for the purpose of 2% amount. The EMP cost on Socio Economic activities shall be used before the commencement of the project & EMP recurring inside the project shall be implemented throughout the operation of the project. The PP shall establish Environment monitoring cell as per documents submitted.	
VIII.	The PP shall not carry out any construct above and below revenue rasta passing through the project and ensure that permission of the competent authority shall be obtained before carry out any construction above or below the revnue rasta. The PP shall put notice board on the revenue rasta for the passer byes.	No construction will be carried out above or below the revenue rasta.
IX.	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.	Status of the compliance of the basic details will be uploaded on website in due course of time.
Х.	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.	Noted.
XI.	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	Separate wet and dry bins has been provided in each unit at ground level for segregation of waste. Solid waste is being handed over to authorized vendor for disposal and recycle. Organic waste in operation phase will be decomposed in organic waste convertor.

	which will include area for segregation, composting. The Inert waste from the project will be sent to solid waste dumping site through authorized vender.	
XII.	Traffic management plan as submitted shall be implemented in letter and spirit. Apart, a detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is marinated and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habilitation being carried out or purpose to be carried out by the project or other agencies in this 05kms radius of the site in different scenarios of space and time.	Traffic management plan has been submitted with EC application.
XIII.	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 15251.08sqm (14% of net plot area) shall be provided for Green Area development for whole project.	 41. nos of trees has been cut at project site, permission Regarding from Forest department has already been obtained. Copy of the same is attached as Annexure 03 Compensatory trees will be planted in appropriate stage of site development.
XIV.	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.	NOC from town and country planning department has been obtained.
XV.	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.	Consent to Established from State pollution Control Board has been obtained vide letter no. 329962322GUNOCTE24509503 , dated 17/06/2022 valid upto 27/04/2032, before the start of construction. Copy of CTE is attached as Annexure 04 .

XVI.	The Approval of the Competent Authority shall be obtained for structural safety of building code due to earthquakes, adequacy of fire fighting equipments etc. as per National Building Code including protection measures from lightening etc.	NOC from Competent Authority will be obtained.
XVII.	The PP shall obtain the Fire NOC from the Competent Authority before taking the occupation of the building.	NOC from fire department will be obtained before the Operation phase of the Project.
kviii.	The PP shall install the Eco Friendly Green Transformer based on ester oil to reduce the carbon footprint. The PP shall shift to gas based generator set when the gas is available. The PP shall install APCM for the DG set. The PP shall reduce the So2 load by30% if HSD is used. The DG sets will be operated for maximum 04 hours during power failure through Executing Agency	Eco Friendly Green Transformer will be provided at appropriate stage of site development.
XIX.	The PP shall not give occupation or possession before the water supply and sewage connection permitted by the competent authority.	Occupation or possession will be provided after obtaining the permission from competent authority
XX.	The PP shall not give occupation or possession before the electricity connection permitted by the competent Authority.	Occupation or possession will be provided after obtaining the permission from competent authority
XXI.	The PP shall obtain the permission regarding withdrawal of ground water from HWRA/CGWA before the start of the project and also obtained the CTO from HSPCB after the approval from HWRA/CGWA.	Ground water extraction is prohibited in Delhi NCR region. So no Ground water extraction will be done at any stage of project.
XXII.	The PP shall carry out the quarterly awareness programs for the stakeholders of the project	Quarterly awareness programs will be carried out for the stake holders of the project.
XXIII.	27 Rain water harvesting recharge pits shall be provided for ground water recharging as per the CGWB norms including plots.	27 no. of Rain water harvesting pits will be provided at appropriate stage of site development.
KXIV.	The PP shall install Digital water level recorder for monitoring the water recharge and carry out quarterly maintenance and cleaning of 27 RWH pits.	Same will be provided in Operation phase.
XXV.	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.	Anti-smog gun is available at site. Regular water sprinkling is being done to suppress dust generated from project site during construction. Same will be done in operation phase also.

KXVI.	The PP shall take all preventive measures	Regular water sprinkling is being done
	including water sprinkles to control dust	to control dust generation from
	during construction and operational phase.	project site during construction and
		operation phase.
XVII.	Any change in stipulations of EC will lead to	Noted
	Environment Clearance void-ab-initio and	
	PP will have to seek fresh Environment	
	Clearance.	
KVIII.	The excess treated water shall be reused in	Noted.
	nearby DLF Project for construction	
	purpose.	
XXIX.	The PP shall provide the separate services	Approval from the Commissioner
	without crossing the revenue rasta in three	Municipal corporation manesar has
	pocket i.e. zone A, B&C	been taken.
		Copy of the same is attached as
~~~~	The PP shall install Retrofit emission control	Annexure 02.
XXX.		Retrofit emission control devices for
	devices for DG sets approved by CPCB to	DG sets will be provided.
	further reduce the emission by intervening the exhaust. The emission level shall comply	
	with the CPCB guidelines of Norms.	
XXXI.	Adequate studies have been carried out to	Traffic study has been carried out and
	ascertain that there would not be any	same has been submitted along with
	obstruction or impediment in general traffic	EC application.
	in vicinity of the project due to the said	
	expansion of the project	
XXII.	The PP shall install the DG set of 4000 KVA	DG sets of 4000 KVA will be install in
	capacity and reduce the power backup	operation phase of the Project to
	undertaking.	reduce the Power Backup.
xxIII.	The PP shall install the DG set based on	Same will be complied and DG set will
	multi fuel injection system and capacity and	be provided with multi fuel injection
	will shift DG set on the gas as and when	system as and when gas will be
	available.	available at the project site.
κχιν.	before starting of the construction, Project	Permission from competent authority
	proponent shall obtain requisite sewer	will be obtained before operation of
	connection/permission from the competent	the project.
	Authority.	

# PART B- Standard Conditions/Statutory compliance:

1.	The project proponent shall obtain all	All the necessary
	necessary clearance/ permission from all	clearance/permission from all
	relevant agencies including town planning	relevant agencies have been
	authority for ground coverage, FAR and should	obtained before the commencement
	be in accordance with zoning plan approved	of work.
	by competent authority before	
	commencement of work. All the construction	

Page 10 of 29

	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.	NOC from Competent Authority will be obtained.
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.	NOC from forest department has been obtained. Copy of the same is attached as Annexure 05.
4.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not 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 concerned StatePollution Control Board/ Committee.	Consent to Established from State pollution Control Board has been obtained vide letter no. <b>329962322GUNOCTE24509503</b> , dated 17/06/2022 valid upto 27/04/2032, before the start of construction. Copy of CTE is attached as <b>Annexure 04</b> .
6.	The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.	No Ground water extraction will be done at any stage of project.
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, and Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.	Statutory clearance will be obtained at appropriate stage.
9.	The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.	The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 will be followed.
10.	The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly in addition	

	of bylaws of the State Government.		
١.	Air quality monitoring and preservation		
i.	Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.	Dust mitigation measures like water sprinkling, covering of construction material, wind breaking wall, water trough, valid PUC certified vehicles, and metal road has been provide at project site.	
ii.	A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.	Noted.	
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.	Ambient air monitoring has been carried out and monitoring report is attached as <b>annexure 06.</b>	
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 low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.	Low sulphur diesel will be used to run the DG sets. All the DG sets will be of "enclosed type" to prevent noise and should conform to rules made under Environment (Protection) Act 1986, prescribed for air and noise emission standards. Stack height will be kept as per CPCB norms.	
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, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.	Barricades have been provided around the project. Photos is attached as <b>Annexure 07</b> . Water sprinkling, covering of construction material, wind breaking wall, water trough, valid PUC certified vehicles have been provide at project site.	
vi.	Sand, murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.	Sand, murram, loose soil, cement, stored on site is being covered to prevent dust pollution from site.	
vii.	Wet jet shall be provided for grinding and stone cutting	Same will be provided.	

viii.	Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.	Water sprinkling is being done regularly to suppress dust generation from site.
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 Management Pulse 2016	All construction and demolition debris is being stored at the site before they are properly disposed. All demolition and construction waste is being managed as per the norms.
х.	Demolition Waste Management Rules 2016. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.	Low sulphur diesel will be used for DG set operation at construction site.
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. Low sulphur diesel shall be used The location of the DG set and exhaust pipe height shall be as per the provisions o the Central Pollution, Control Board (CPCB) norms.	Proper stack height will be maintained as per CPCB standard for operation of DG sets. Acoustic enclosure will be provided to the DG sets to mitigate the noise pollution.
xii.	For indoor air quality the ventilation provisions as per National Building Code of India.	Same will be complied.
١١.	Water quality monitoring and preservation	
i.	The natural: drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, or wetland and water bodies. Check dams, bio-swales, landscape, other- sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.	unrestricted flow of water. No
ii.	Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.	Noted.
iii.	Total fresh water 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.	Fresh water requirement will not exceed as provided in the project details.
iv.	The quantity of fresh water usage, water recycling and rainwater harvesting shall be	The water balance diagram has already been submitted along with

flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.conservation will be incorporated in this building plan.ix.Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.Dual plumbing system will be used for separation of black and grey water.x.Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.Pre-mixed concrete, curing agents and other best practices referred.xi.The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided forNoted.		District Garagian	
<ul> <li>balance as projected by the project proponent. The record shall be submitted to the Regional Office, MOER&amp;CC along with six monthly Monitoring reports.</li> <li>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, tile quantity of water already committed 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.</li> <li>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.</li> <li>vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing, other for recycled water for fushing, landscape irrigation and for other percycled water for gruphs, thermal cooling, landscape irrigation and for other percycled water for fushing, landscape irrigation and for other proyces will be used.</li> <li>viii. Use of water saving devices, fixtures (viz. Iow flow flushing systems; use of low flow flucts tap aerators etc.) for water conservation shall be incorporated in the building plan.</li> <li>ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.</li> <li>x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.</li> <li>xi</li></ul>		measured and recorded to monitor the water	application.
<ul> <li>proponent. The record shall be submitted to the Regional Office, MoEF&amp;CC along with six monthly Monitoring reports.</li> <li>A certificate shall be obtained from the local authority, the quantity of water already committed, tile quantity of water 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.</li> <li>vi. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass parers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.</li> <li>vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and balting, other for supply of fresh water for drinking, cooking and balting, other for supply of recycled water for flushing, landscape recycled water for flushing, landscape rigation and for other purpose will be used.</li> <li>viii. Use of water saving devices, fixtures (viz. low the flow flushing systems; use of low flow fauctes tap aerators etc) for water conservation shall be incorporated in the building plan.</li> <li>ix. Separation of grey and black water should be reduced by use of fulshing, by giving dual plumbing system be done.</li> <li>x. Water demand during construction should be reduced by use of fulshing by giving dual plumbing system be done.</li> <li>x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.</li> <li>xi. The local bye-law provisions on rain water harvesting recharge should be followed as per the Ministry of Urban</li></ul>			
monthly Monitoring reports.       Viter supply assurance letter has body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, tile quantity of urban provision is not available, adequate provision is notavailable, adequate provide for harvesting recharge ths shall be p			
monthly Monitoring reports.       Viter supply assurance letter has body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, tile quantity of urban provision is not available, adequate provision is notavailable, adequate provide for harvesting recharge ths shall be p			
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, tile 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.       Water supplying with 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.       Same will be complied         vii.       Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bail-ling etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, landscape irrigation, are washing, thermal cooling, landscape irrigation, car washing, thermal cooling, landscape irrigation and for other purpose will be used.         viii.       Use of water saving devices, fixtures (viz. low flow flushing system; use of low flow flaushing system is use of low flow flaushing system will be incorporated in the building plan.       Use of water saving devices for 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.       Dual plumbing system will be used for separation of black and grey water.         xi.       The local bye-law provisions or rain water harvesting should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pts shall be provided for			
<ul> <li>body supplying water, specifying the total annual water availability with the local laintority, the quantity of water already committed, tile quantity of water already committed, tile 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.</li> <li>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.</li> <li>vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bail-ling etc and other for supply of recycled water for flushing, landscape irrigation and for other purpose will be used.</li> <li>viii. Use of water saving devices, fixtures (viz. Iow flow flushing systems; use of low flow flushing systems; use of low flow flushing systems; use of low flow flushing systems supply of resperation and for other purpose will be used.</li> <li>viii. 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.</li> <li>x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.</li> <li>xi. The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided for</li> </ul>	V.		Water supply assurance letter has
<ul> <li>annual water availability with the local authority, the quantity of water already committed, tile quantity of water 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.</li> <li>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.</li> <li>vii. Installation of dual pipe plumbing for supply of fresh water for drinking, cooking and bathing, other for recycled water for flushing, landscape irrigation and for other purpose will be used.</li> <li>viii. Use of water saving devices, fixtures (viz. low flow flushing systems; use of low flow faucest tap aerators etc) for water conservation shall be incorporated in the building plan.</li> <li>ix. Separation of grey and black water should be done by the use of dual plumbing system separate recirculation lines for flushing by giving dual plumbing system be done.</li> <li>x. Water demand during construction should be reduce by use of pre-mixed concrete, curing agents and other best practices referred.</li> <li>xi. The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Mod</li></ul>		body supplying water, specifying the total	
<ul> <li>authority, the quantity of water already committed, tile 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.</li> <li>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.</li> <li>vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bail-ling etc and other for supply of fresh water for drinking, and bail-ling etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.</li> <li>viii. Use of water saving devices, fixtures (viz. low Use of water saving devices for water for water tap aerators etc) for water conservation shall be incorporated in the building plan.</li> <li>ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.</li> <li>x. Water demand during construction should be for separation of black and grey water.</li> <li>x. Water demand during construction should be for separation of black and grey movision 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 pts shall be provided for</li> </ul>			
<ul> <li>committed, tile 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.</li> <li>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.</li> <li>vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bail-ling etc and other for supply of fresh water for drinking, landscape irrigation, car washing, thermal cooling, irrigation, car washing, thermal cooling, irrigation, car washing, thermal cooling, is upply of fresh water for flushing, landscape irrigation and for other purpose will be used.</li> <li>viii. Use of water saving devices, fixtures (viz. low Use of water saving device for water conservation shall be incorporated in the building plan.</li> <li>ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.</li> <li>x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.</li> <li>x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.</li> <li>x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.</li> <li>x. The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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</li> </ul>			
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.Same will be compliedvi.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.Same will be compliedvii.Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bail-ling etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, landscape irrigation and for other purpose will be used.Dual pipe plumbing will be used for supply of fresh water for drinking, cooking and bathing, other for supply of recycled water for flushing, landscape irrigation and for other purpose will be used.viii.Use of water saving devices, fixtures (viz. low flow flushing system; use of low flow flucts tap aerators etc) for water conservation shall be incorporated in the building plan.Use of water saving device for water conservation will be incorporated in this building plan.ix.Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separater reduced by use of pre-mixed concrete, curing agents and other best practices referred.Pre-mixed concrete, curing agents and other best practices referred.xi.The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building By			
<ul> <li>balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.</li> <li>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.</li> <li>vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bail-ling etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.</li> <li>viii. Use of water saving devices, fixtures (viz. low flow flushing systems; use of low flow flaucets tap aerators etc) for water conservation shall be incorporated in the building plan.</li> <li>ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.</li> <li>x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.</li> <li>xi. The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided for</li> </ul>			
<ul> <li>specified separately for ground water and surface water sources, ensuring that there is no impact on other users.</li> <li>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.</li> <li>vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bail-ling etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.</li> <li>viii. Use of water saving devices, fixtures (viz. low flow flushing systems; use of low flow fauction lines for flushing plan.</li> <li>ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.</li> <li>x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.</li> <li>xi. The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided for</li> </ul>			
<ul> <li>surface water sources, ensuring that there is no impact on other users.</li> <li>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.</li> <li>vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bail-ling etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.</li> <li>viii. Use of water saving devices, fixtures (viz. low flow flushing systems; use of low flow flushing systems; use of low flow flushing parts are acros etc) for water conservation shall be incorporated in the building plan.</li> <li>ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.</li> <li>x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.</li> <li>xi. The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided for</li> </ul>			
no impact on other users.vi.At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.Same will be compliedvii.Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bail-ling etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, irrigation, car washing, thermal cooling, landscapeDual pipe plumbing will be used for supply of fresh water for drinking, cooking and bathing, other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, landscape irrigation and for other purpose will be used.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.Use of water saving device for water conservation will be incorporated in this building plan.ix.Separation of grey and black water should be done by the use of dual plumbing system separate recirculation lines for flushing by giving dual plumbing system be done.Dual plumbing system will be used for separation of black and grey water.xi.The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided for			
<ul> <li>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.</li> <li>vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bail-ling etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.</li> <li>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.</li> <li>ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.</li> <li>x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.</li> <li>xi. The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided for</li> </ul>			
the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.vii.Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bail-ling etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, irrigation, car washing, thermal cooling, conditioning etc. shall be done.Dual pipe plumbing will be used for supply of fresh water for flushing, landscape irrigation and for other purpose will be used.viii.Use of water saving devices, fixtures (viz. low flow flushing systems; use of low flow fluw faucets tap aerators etc) for water conservation shall be incorporated in the building plan.Use of water saving device for water conservation will be incorporated in this building plan.ix.Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.Dual plumbing system will be used for separation of black and grey water.x.Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.Pre-mixed concrete, curing agents and other best practices will be used to reduce water demand.xi.The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided for	vi.	•	Same will be complied
Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.vii.Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bail-ling etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.Dual pipe plumbing will be used for supply of fresh water for flushing, landscape irrigation and for other purpose will be used.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.Use of water saving devices for water conservation will be incorporated in this building plan.ix.Separation of grey and black water should be done by the use of dual plumbing system to case of single stack system separate reduced by use of pre-mixed concrete, curing agents agents and other best practices referred.Pre-mixed concrete, curing agents and other best practices referred.xi.The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 waterNoted.			
50% opening, landscape etc. would be considered as pervious surface.vii.Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bail-ling etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling conditioning etc. shall be done.Dual pipe plumbing will be used for supply of fresh water for drinking, cooking and bathing, other for supply of recycled water for flushing, landscape irrigation and for other purpose will be used.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.Use of water saving device for water conservation will be incorporated in this building plan.ix.Separation of grey and black water should be done by the use of dual plumbing system. case of single stack system separate reduced by use of pre-mixed concrete, curing agents and other best practices referred.Dual plumbing system will be used for separation of black and grey water.xi.The local bye-law 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 pts shall be provided forNoted.			
considered as pervious surface.vii.Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bail-ling etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.Dual pipe plumbing will be used for supply of fresh water for drinking, cooking and bathing, other for supply of recycled water for flushing, landscape irrigation and for other purpose will be used.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.Use of water saving device for water conservation shall this building plan.ix.Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate reduced by use of pre-mixed concrete, curing agents and other best practices referred.Dual plumbing system will be used for separation of black and grey water.xi.The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided for			
<ul> <li>vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bail-ling etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, irrigation, car washing, thermal cooling, conditioning etc. shall be done.</li> <li>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.</li> <li>ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.</li> <li>x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.</li> <li>xi. The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided for</li> </ul>			
supplying fresh water for drinking, cooking and bail-ling etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.supply of fresh water for flushing, landscape irrigation and for other purpose will be used.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.Use of water saving device for water conservation will be incorporated in this building plan.ix.Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.Dual plumbing system will be used for separation of black and grey water.x.Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.Pre-mixed concrete, curing agents and other best practices referred.xi.The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided forNoted.	vii.		Dual pipe plumbing will be used for
<ul> <li>and bail-ling etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.</li> <li>viii.</li> <li>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.</li> <li>ix.</li> <li>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.</li> <li>x.</li> <li>Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.</li> <li>xi.</li> <li>The local bye-law provisions on rain water harvesting should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pts shall be provided for</li> </ul>			
recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.supply of recycled water for flushing, landscape irrigation and for other purpose will be used.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.Use of water saving device for water conservation will be incorporated in this building plan.ix.Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.Dual plumbing system will be used for separation of black and grey water.x.Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.Pre-mixed concrete, curing agents and other best practices referred.xi.The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided forNoted.			
irrigation, car washing, thermal cooling, conditioning etc. shall be done.landscape irrigation and for other purpose will be used.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.Use of water saving device for water conservation will be incorporated in this building plan.ix.Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.Dual plumbing system will be used for separation of black and grey water.x.Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.Pre-mixed concrete, curing agents and other best practices will be used to reduce water demand.xi.The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided forNoted.			-
conditioning etc. shall be done.purpose will be used.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.Use of water saving device for water conservation will be incorporated in this building plan.ix.Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.Dual plumbing system will be used for separation of black and grey water.x.Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.Pre-mixed concrete, curing agents and other best practices will be used to reduce water demand.xi.The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided for			
<ul> <li>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.</li> <li>ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.</li> <li>x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.</li> <li>xi. The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided for</li> </ul>			
tap aerators etc) for water conservation shall be incorporated in the building plan.this building plan.ix.Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.Dual plumbing system will be used for separation of black and grey water.x.Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.Pre-mixed concrete, curing agents and other best practices will be used to reduce water demand.xi.The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided forNoted.	viii.	Use of water saving devices, fixtures (viz. low	Use of water saving device for water
be incorporated in the building plan.ix.Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.Dual plumbing system will be used for separation of black and grey water.x.Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.Pre-mixed concrete, curing agents and other best practices will be used to reduce water demand.xi.The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided forNoted.		flow flushing systems; use of low flow faucets	conservation will be incorporated in
<ul> <li>ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.</li> <li>x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.</li> <li>xi. The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided for</li> </ul>		tap aerators etc) for water conservation shall	this building plan.
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.for separation of black and grey water.x.Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.Pre-mixed concrete, curing agents and other best practices will be used to reduce water demand.xi.The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided forNoted.		be incorporated in the building plan.	
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.for separation of black and grey water.x.Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.Pre-mixed concrete, curing agents and other best practices will be used to reduce water demand.xi.The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided forNoted.	ix.	Separation of grey and black water should be	Dual plumbing system will be used
recirculation lines for flushing by giving dual plumbing system be done.Pre-mixed concrete, curing agents and other demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.Pre-mixed concrete, curing agents and other best practices will be used to reduce water demand.xi.The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided forNoted.		done by the use of dual plumbing system. In	for separation of black and grey
plumbing system be done.Pre-mixed concrete, curing agentsx.Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.Pre-mixed concrete, curing agents and other best practices will be used to reduce water demand.xi.The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided forNoted.		case of single stack system separate	water.
x.Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.Pre-mixed concrete, curing and other best practices will be used to reduce water demand.xi.The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided forPre-mixed concrete, curing agents and other best practices will be used to reduce water demand.		recirculation lines for flushing by giving dual	
reduced by use of pre-mixed concrete, curing agents and other best practices referred.and other best practices will be used to reduce water demand.xi.The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided forNoted.		plumbing system be done.	
agents and other best practices referred.to reduce water demand.xi.The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided forNoted.	х.	Water demand during construction should be	Pre-mixed concrete, curing agents
xi. The local bye-law provisions on rain water harvesting should be followed. If local bye-law 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 pts shall be provided for		reduced by use of pre-mixed concrete, curing	and other best practices will be used
harvesting should be followed. If local bye-law 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 pts shall be provided for		agents and other best practices referred.	to reduce water demand.
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 pts shall be provided for	xi.	The local bye-law provisions on rain water	Noted.
for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pts shall be provided for		harvesting should be followed. If local bye-law	
as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pts shall be provided for		provision is not available, adequate provision	
Model Building Byelaws, 2016. Rain water harvesting recharge pts shall be provided for		for storage and recharge should be followed	
harvesting recharge pts shall be provided for		as per the Ministry of Urban Development	
rain water howesting often filtration on your		harvesting recharge pts shall be provided for	
rain water narvesting after filtration as per		rain water harvesting after filtration as per	

	CGWB guideline.	
xii.	A rain water harvesting plan needs to be designed where the recharge bores of minimum ore 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.	Same will be complied.
xiii.	All recharge should be limited to shallow aquifer.	Noted.
xiv.	No ground water shall be used during construction phase of the project.	Ground water will not be used during the construction phase of the project.
xv.	Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.	Noted.
xvi.	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.	The water balance diagram has already been submitted along with application. Records of fresh water usage, water recycling and rainwater harvesting will be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports during operation phase of the project.
xvii.	Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC makeup water and gardening. As proposed no treated water shall be disposed in to municipal drain.	Sewage will be treated in the STP based on latest technology with tertiary treatment i.e. Ultra filtration. The treated effluent from STP will be recycled/re-used for flushing, AC makeup water, gardening, car and street washing.
xviii.	No sewage or untreated effluent water would be discharged through storm water drains.	No sewage or untreated effluent water will be discharged through storm water drains.
xix.	Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant. (STP) shall be certified by an independent	100% waste water will be treated at onsite STP. Treated water will be used for landscape, flushing, cooling tower.

Page 16 of 29

	expert and a report in this regard shall be	Excess treated water will be reused
	submitted to the Ministry before the project is	in nearby DLF Project for
	commissioned for operation.	construction purpose.
	Treated waste water shall be reused on site	
	for landscape, flushing, cooling tower, and	
	other end-uses. Excess treated water shall be	
	discharged as per statutory norms notified by	
	Ministry of Environment, Forest and Climate	
	Change. Natural treatment systems shall be	
	promoted.	
xx.	Periodical monitoring of water quality of	Noted.
	treated sewage shall be conducted. Necessary	
	measures should be made to mitigate the	
	odour problem from STP.	
xxi.	Sludge from the onsite sewage treatment,	Sludge from onsite sewage will be
	including septic tanks, shall be collected,	collected and used as manure for
	conveyed and disposed as per the Ministry of	landscape and horticulture
	Urban Development, Central Public Health and	development, surplus sludge will be
	Environmental Engineering Organization	disposed as per the Ministry of
	(CPHEEO) Manual on Sewerage and Sewage	Urban Development, CPHEEO
	Treatment Systems, 2013.	manual on sewerage and sewage
		treatment.
- 111.	Noise monitoring and prevention	
	<b>Noise monitoring and prevention</b> Ambient noise levels shall conform to	Noise level confirm to residential
III. i.	Ambient noise levels shall conform to	Noise level confirm to residential standard both during day and night
	Ambient noise levels shall conform to residential area/commercial area/industrial	standard both during day and night
	Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as	standard both during day and night as per Noise pollution rule.
	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)	standard both during day and night
	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	standard both during day and night as per Noise pollution rule. Monitoring report is attached as an
	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 he	standard both during day and night as per Noise pollution rule. Monitoring report is attached as an
	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 he closely monitored during construction phase.	standard both during day and night as per Noise pollution rule. Monitoring report is attached as an
	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 he closely monitored during construction phase. Adequate measures shall be made to reduce	standard both during day and night as per Noise pollution rule. Monitoring report is attached as an
	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 he closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during	standard both during day and night as per Noise pollution rule. Monitoring report is attached as an
	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 he 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	standard both during day and night as per Noise pollution rule. Monitoring report is attached as an
i.	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 he 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.	standard both during day and night as per Noise pollution rule. Monitoring report is attached as an <b>Annexure 06.</b>
	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 he 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. Noise level survey shall be carried as per the	standard both during day and night as per Noise pollution rule. Monitoring report is attached as an Annexure 06. Same has been complied and
i.	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 he 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. Noise level survey shall be carried as per the prescribed guidelines and report in this regard	standard both during day and night as per Noise pollution rule. Monitoring report is attached as an Annexure 06. Same has been complied and monitoring report is attached as
i.	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 he 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. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the	standard both during day and night as per Noise pollution rule. Monitoring report is attached as an Annexure 06. Same has been complied and
i.	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 he 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. 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	standard both during day and night as per Noise pollution rule. Monitoring report is attached as an Annexure 06. Same has been complied and monitoring report is attached as
i. ii.	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 he 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. 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.	standard both during day and night as per Noise pollution rule. Monitoring report is attached as an Annexure 06. Same has been complied and monitoring report is attached as annexure 06.
i.	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 he 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. 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. Acoustic enclosures for DG sets, noise barriers	standard both during day and night as per Noise pollution rule. Monitoring report is attached as an Annexure 06. Same has been complied and monitoring report is attached as annexure 06. Same will be complied as and when
i. ii.	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 he 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. 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. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating	standard both during day and night as per Noise pollution rule. Monitoring report is attached as an Annexure 06. Same has been complied and monitoring report is attached as annexure 06.
i. ii.	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 he 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. 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. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation	standard both during day and night as per Noise pollution rule. Monitoring report is attached as an Annexure 06. Same has been complied and monitoring report is attached as annexure 06. Same will be complied as and when
i. ii.	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 he 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. 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. 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	standard both during day and night as per Noise pollution rule. Monitoring report is attached as an Annexure 06. Same has been complied and monitoring report is attached as annexure 06. Same will be complied as and when
i. ii. iii.	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 he 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. 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. 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.	standard both during day and night as per Noise pollution rule. Monitoring report is attached as an Annexure 06. Same has been complied and monitoring report is attached as annexure 06. Same will be complied as and when
i. ii.	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 he 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. 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. 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	standard both during day and night as per Noise pollution rule. Monitoring report is attached as an Annexure 06. Same has been complied and monitoring report is attached as annexure 06. Same will be complied as and when

	Building Code (ECBC) of Bureau of Energy Efficiency as per ECBC act 2017 read with	
	ECBC rule, 2018 shall be ensured. Buildings in	
	the States which have notified their own	
	ECBC, shall comply with the State ECBC also is	
	in no case should be less than 25% as prescribed.	
ii.	Outdoor and common area lighting shall be	LED is being used for common area
	LED.	lightening
iii.	Concept of passive solar design that minimize	Noted.
	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 u-values shall be as per	
iv.	ECBC specification. Energy conservation measures like installation	Energy efficient luminaries like LEDs
IV.	of CFLs/ LED for the lighting the area outside	is being used within project site.
	The building should be integral part of the	Used/damaged LEDs will be stored
	project design and should be part of the	at designated places within site and
	project commissioning.	handed over to authorized recycler
		for proper disposal as per norms.
v.	Solar, wind or other Renewable Energy shall	Same will be complied.
	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.	Neted
vi.	Solar power shall be used for lighting in the apartment to reduce the power load on grid.	Noted.
	Separate electric meter shall be installed for	
	solar power. Solar water heating provided to	
	meet 20% of the hot water demand of the	
	commercial building or as per the requirement	
	of the local building whichever is higher.	
	Residential buildings are also recommended	
	to meet its hot water demand from solar	
	water heaters, as far as possible.	
vii.	The PP will submit report indicating	Noted.
	compliance of each parameters of ECBC requirement and submit quantification saving	
	report for each component.	
V.	Waste Management	
i.	A certificate from the competent authority	Noted.
	handling municipal solid wastes, indicating the	

	exiting civic capacities of handling and their	
	adequacy to cater to the M.S.W, generated	
	from project shall be obtained.	
ii.	Disposal of muck during construction phase	Disposal of muck during
	shall not create any adverse effect on the	construction phase is not creating
	neighboring communities and be disposed	any adverse effect on the
	taking the necessary precautions for general	neighboring communities and is
	safety and health aspects of people, only in	being disposed by taking the
	approved sites with the approval of	necessary precaution for general
	competent authority.	safety and health aspect.
iii.	Separate wet and dry bins must be provided in	Separate wet and dry bins has been
	each unit and at the ground level for	provided in each unit at ground level
	facilitating segregation of waste. Solid waste	for segregation of waste Solid waste
	shall be segregated into wet garbage and inert	is being handed over to authorized
	materials.	vendor for recycle and disposal.
		Organic waste will be decomposed
		in organic waste convertor in
		operation phase.
iv.	Organic Waste Converter within the	4 no. of organic waste converter will
	premises with a minimum capacity of 0.5 kg	be provided at site at appropriate
	/person/day must be installed. Leaves to be	stage of site development.
	put in earmarked pits for converting them into	
	compost to be used as manure.	
v.	All non-biodegradable waste shall be handed	All non biodegradable waste will be
	over to authorized recyclers for which a	handed over to authorized recycler
	written tie up must be done with the	for disposal as per norms.
	authorized recyclers.	
vi.	Any hazardous waste generated during	Hazardous waste generated during
	construction phase, shall be disposed off as	construction phase will be disposed
	per applicable rules and norms with necessary	
	approvals of the State Pollution Control Board.	with necessary approval by SPCB.
vii.	Use of environment friendly materials in	Noted
VII.	bricks, blocks and other construction	Noted
	materials, shall be required for at least 20% of	
	the construction material quantity. These	
	include Fly Ash bricks, hollow bricks, AACs, Fly	
	Ash Lime Gypsum blocks, Compressed earth	
	blocks, and other environment friendly	
	materials.	
viii.	Fly ash should be used as building material in	Fly ash is being used as building
	the construction as per the provision of Fly	material in the construction of
	Ash Notification of September, 1999 and	building.
	amended as on 27th August, 2003 and 25th	Ready mix concrete is being used in
	January, 2016. Ready mixed concrete must be	building construction.
	used in building construction.	

	District Gurugram	
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.	Noted.
х.	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.	E waste will be collected separately and provided to authorized recycler for safe disposal.
VI.	Green Cover	
i. 	No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the forest department. Plantation to be ensured species (cut) to species (planted).	41. nos of trees has been cut at project site, permission Regarding from Forest department has already been obtained. Copy of the same is attached as <b>Annexure 03.</b> Compensatory trees will be planted in appropriate stage of site development.
ii.	A minimum of 1 tree (5' tall) for every 80 sqm. of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and or invasive species should not be used for landscaping.	Noted.
iii.	Where the trees need to be cut with prior permission from the concerned local authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantation to be ensured species (cut) to species (planted). Area of green belt development shall be provided as per the details provided in the project document.	Noted. Green belt plan is attached as <b>Annexure 09.</b>
iv.	Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the Proposed vegetation on site.	Excavated soil has been stored at separate place and will be used for site leveling, back filling/filling raft and road construction. Top layer of soil has been stored and will be used for landscaping/ horticulture development work.
VII.	Transport	
i.	A comprehensive mobility plan, as per MoUD	Noted.
i.	A comprehensive mobility plan, as per MoUD	Noted.

	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. Vehicles hired for bringing construction	No construction activity is being
	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 nonpeak hours.	carried out during night time during construction phase. Pollution check certified vehicle is being used for construction work. All vehicles, equipments and construction machines will be idle when not in use.
iii.	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habilitation 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 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.	Noted.
VIII.	Human health issues	
i.	All workers working at the construction site	Adequate facility will be provided to
	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.	labours at construction site.
ii.	For indoor air quality the ventilation	Noted

	provisions as per National Building Code of India.	
iii.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan has already been submitted along with application.
iv.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to he removed after the completion of the project.	All the necessary and requisite facility will be provided to the construction labours.
v.	Occupational health surveillance of the workers shall be done on a regular basis.	Health checkups of construction labours is being done on regular basis.
vi.	A First Aid Room shall be provided in the project both during construction and operations of the project.	First Aid Room has been provided at site during construction phase and same will be provided during operation phase.
IX.	Corporate Environment Responsibility	
i.	The project proponent shall comply with the provisions of CER, as applicable.	Noted
ii.	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental Policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/ violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six- monthly report.	Noted
iii.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly	Noted.
<u> </u>	to the head of the organization. Action plan for implementing EMP and	Same has already been submitted at
iv.		

	environmental conditions along with	the time of EC application.
	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 to 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.	
Х	Miscellaneous	
i.	The project proponent shall prominently	Advertisement of Environment
	advertise it at least in two local newspapers of	clearance has been done in two local
	the District or State, of which one shall be in	newspaper, copy of the same is
	the vernacular language within seven days	attached as <b>Annexure 10.</b>
	indicating that the project has been accorded	
	environment clearance and the details of	
	MoEFCC/SEIAA website where it is displayed.	Como boo alvoodu boon comulicat
ii.	The copies of the environment clearance shall	Same has already been complied.
	be submitted by the project proponents to the	
	Heads of local bodies, Panchayats and	
	Municipal Bodies in addition to the relevant	
	offices of the Government who in turn has to	
	display the same for 30 days from the date of	
	receipt.	
iii.	The project proponent shall upload the status	Same will be been complied.
	of compliance of the stipulated environment	
	clearance conditions, including results of	
	monitored data on their website and update	
	the same on half-yearly basis	
iv.	The project proponent shall submit six-	Submission of six monthly
	monthly reports on the status of the	compliance reports is being
	compliance of the stipulated environmental	submitted on 1 st June and 1 st Dec of
	conditions on the website of the ministry of	every year.
	Environment, Forest and Climate Change at	
	environment clearance portal.	
٧.	The project proponent shall submit the	Environmental statement for each
	environmental statement for each financial	financial year in Form-V will be
	year in Form-V to the concerned State	submitted in Operation phase of the
	Pollution Control Board as prescribed under	Project.
	the Environment (Protection) Rules, 1986, as	
	amended subsequently and put on the	
	website of the company.	
vi.	The project proponent shall inform the	Same will be complied.
	Regional Office as well as the Ministry, the	· ·

	date of financial closure and final approval of	
	the project by the concerned authorities,	
	commencing the land development work and	
	start of production operation by the project.	
vii.	The project authorities must strictly adhere to	Noted.
	the stipulations made by the State Pollution	
	Control Board and the State Government.	
viii.	The project proponent shall abide by all the	Environmental safeguards contained
	commitments and recommendations made in	in the application form 1, Form 1A
	the Form I-A, conceptual plan also that during	and in environmental clearance
	their presentation to the Expert Appraisal	order are being implemented in true
	Committee.	spirit.
ix.	No further expansion or modifications in the	Noted.
	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 environment	
	clearance under EIA notification 2006, if at any	
	· · · · ·	
	stage there is a change of area of this project.	
х.	Any change in planning of approved plan will	Noted.
	lead to Environment Clearance void-ab-initio	
	and PP will have to seek fresh environmental	
	clearance.	
xi.	The PP should give unambiguous affidavit	Noted
	giving land promoters in accordance with your	
	ownership and possession of land legal the	
	case referred for environment clearance to	
	SEIAA.	
xii.	Concealing factual data or submission of	Noted.
AII.	false/fabricated data may result in revocation	
	of this environmental clearance and attract	
	action under the provisions of Environment	
	(Protection) Act, 1986.	
xiii.	The Ministry/SEIAA may revoke or suspend	Noted.
	the clearance, if implementation of any of the	
	above conditions is not satisfactory.	
xiv.	The Ministry/SEIAA reserves the right to	Noted.
	stipulate additional conditions if found	
	necessary. The Company in a time bound	
	manner shall implement these conditions.	
xv.	The Regional Office of this Ministry shall	Noted
	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.	
xvi.	The above conditions shall be enforced, inter-	Noted.
	alias under the provisions of the Water	
	(Prevention & Control of Pollution) Act, 1974,	
	the Air (Prevention & Control of Pollution) Act,	
	1981, the Environment (Protection) Act, 1986,	
	Hazardous and Other Wastes (Management	
	and Trans boundary Movement) Rules, 2016	
	and the Public Liability Insurance Act, 1991	
	along with their amendments and Rules and	
	any other orders passed by the Hon'ble	
	Supreme Court of India / High Courts and any	
	other Court of Law relating to the subject	
	matter.	
xvii.	The validity of this environment clearance	Noted
	letter is valid up to 10 years from the date of	
	issuance of EC letter as per MoEF & CC, Gol	
	notification No. S.O. 1807 (E) 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.	
xviii.	If project is not completed within the validity	Noted.
	period then the project proponent shall	
	submit the application for extension of	
	validity within validity period of Environment	
	Clearance i.e. 10 years.	
	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.	
		4

#### Chapter 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 one location at project site in the month of March, 2023 to assess the ambient air quality. 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.	Locn. Code	Location Name/ Description	Environmental Setting
1.	AAQ-1	Project Site	Residential

#### 3.1.2 Ambient Air Quality Monitoring Methodology

Monitoring was conducted in respect of the following parameters:

- Particulate Matter (PM10)
- Particulate Matter (PM2.5)
- Sulphur Dioxide (SO₂)
- Oxides of Nitrogen (NO₂)
- Carbon Monoxide (CO)

The duration of sampling of PM10, PM2.5, SO₂ and NO₂ was 24 hourly continuous sampling per day and CO was sampled for 1 hour 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 APM 550 instrument have used for monitoring Particulate Matter (PM2.5) i.e. <2.5 micron Respirable Dust Samplers APM-451 instruments have been used for monitoring Particulate Matter (PM10), Respirable fraction (<10 microns) and gaseous pollutants like SO₂, and NO₂. Pulse pumps and mylar bags were used for collection of 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	Parameter	Technique	<b>Technical Protocol</b>
No	•		

S. No.	Parameter	Technique	Technical Protocol
1	Particulate Matter (PM 2.5)	Fine particulate sampler APM 550 Gravimetric Method)	IRDH/SOP/AAQM/01
2	Respirable Particulate Matter	Respirable Dust Sampler (Gravimetric method)	IS-5182 (Part-23)
3	Sulphur dioxide	Modified West and Gaeke	IS-5182 (Part- 2)
4	Oxides of Nitrogen	Jacob & Hochheiser	IS-5182 (Part-6)
5	Carbon Monoxide	Gas Chromatography	IRDH/SOP/AAQM/08

#### 3.1.3 Ambient Air Quality Monitoring Results

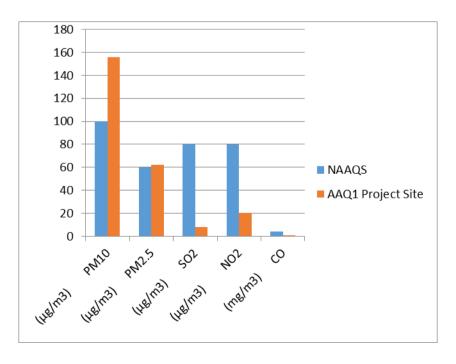
The detailed on-site monitoring results of PM2.5, PM10,  $SO_2$ ,  $NO_2$  and CO are presented in **Table 3.3**.

S. No.	Locn. Code	Location	PM10 (μg/m³)	PM2.5 (μg/m³)	SO₂ (µg/m³)	NO₂ (µg/m³)	CO (mg/m ³ )
		LIMIT	100	60	80	80	4
1.	AAQ1	Project Site	156.0	62.0	08.2	20.4	0.82

**Table 3.3 Ambient Air Quality Monitoring Results** 

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

PM10 is observed higher than the limit 100  $\mu$ g/m³ & PM2.5 is found within the limit 60  $\mu$ g/m³ (for residential, rural and other areas as stipulated in the National Ambient Air Quality Standards). SO₂, NO₂ and CO was observed within the corresponding stipulated limits (Limit for SO₂ and NO₂: 80  $\mu$ g/m³ and limit for CO: 4 mg/m³) at all monitoring locations. Station wise variation of ambient air quality parameters has been pictorially shown in **Figure 3.1**.



# Figure 3.1 Ambient Air Qualities at project site

## 3.2 AMBIENT NOISE MONITORING

## 3.1.1 Ambient Noise Monitoring Locations

The main objective of noise monitoring in the study area is to assess the present ambient noise levels in project site due to various construction allied activities around the site and increased vehicular movement. A preliminary reconnaissance survey has been undertaken to identify the major noise generating sources in the area. Ambient noise monitoring has been conducted at the boundary of the project site in the month of March, 2023 as given in **Table 3.4**.

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

S. No.	Locn. Code	Location Name/ Description	Present Land use
1.	ANQ1	Project Site	Residential

# 3.2.2 Methodology of Noise Monitoring

Noise levels were measured using integrated sound level meter manufactured by Envirotech Instrument Pvt. Ltd. The integrating sound level meter is an integrating/ logging type with frequency range of 'A' type as per IS 15675 (Part 1) 2005. This instrument is capable of measuring the Sound Pressure Level (SPL), Leq and SEL on digital display.

Noise level monitoring was carried out continuously for 24-hours with one hour interval starting at 10:00 hrs to 09:00 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. Lday (Ld), Lnight (Ln) and Ldn values were computed using corresponding hourly Leq. 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 locationwise variation of noise levels are graphically presented in **Figure 3.2**.

		Day Time - dB(A)		Night Time - dB(A)	
Sr. No.	Test Locations	Results	Limits as per CPCB guideline	Results	Limits as per CPCB guideline
ANQ-1	Near Main Gate	52.6	55	42.3	45

## **Table 3.5 Ambient Noise Monitoring Results**

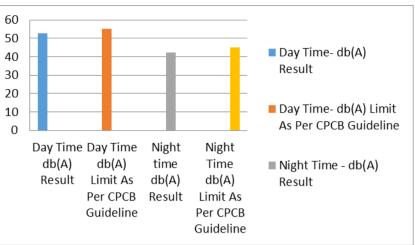


Figure 3.2 Ambient Noise Levels at project site

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

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

The day time noise level was found to within limit prescribed for Residential area i.e. 55 db(A).

#### Night Time Noise Levels (Lnight):

The night time noise level was found to within limit prescribed for Residential area i.e. 45 dB (A).

#### 3.3 GROUNDWATER QUALITY MONITORING

As the ground water extraction is restricted in Gurugram, so the ground water sample could not be taken within or around the project site.

#### 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 point and analysis of the same. One sample of soil was collected from the project site in the month of March, 2023 for studying soil characteristics, the location of which is listed in **Table 3.6**.

Table 3.6 Details of Soil Quality Monitoring Loca	ation
---------------------------------------------------	-------

S. No.	Locn. Code	Location Name/ Description
1.	S1	Project Area

#### 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 samples have been analyzed as per the established scientific methods for physico-chemical parameters. The heavy metals have been analyzed by using Atomic Absorption Spectro-photometer and Inductive Coupled Plasma Analyzer.

#### 3.4.3 Soil Monitoring Results

The physico-chemical characteristics of the soil, as obtained from the analysis of the soil sample, are presented in **Table 3.7**.

S. No.	Parameter	Test Method	Results	Unit
1.	рН	IS 2720 P-26 (1987)	7.85	
2.	Conductivity	IS 14767 (RA 2016)	502.0	μS/cm
3.	Moisture	IS 2720 P-25 (1972)	14.6	% by mass
4.	Water Holding Capacity	IRDH/SOP-SL/07	20.2	%
5.	Specific Gravity	IS 2720 P-3 (1980)	1.87	-
6.	Bulk density	IRDH/SOP-SL/06	1.39	gm/cc
7.	Chloride	IRDH/SOP-SL/14	270.0	mg/kg
8.	Calcium	IRDH/SOP-SL/17	1816.0	mg/kg
9.	Sodium	IRDH/SOP-SL/11	136.0	mg/kg
10.	Potassium	IRDH/SOP-SL/12	50.2	mg/kg
11.	Magnesium	IRDH/SOP-SL/16	192.0	mg/kg
12.	Organic matter	IS 2720 P-22 (1972)	0.58	% by mass
13.	Cation Exchange Capacity(CEC)	IRDH/SOP-SL/09	13.2	meq/100gm
14.	Available nitrogen	IS 14684	53.0	mg/kg
15.	Available Phosphorous	IRDH/SOP-SL/10	8.07	mg/kg
16.	Iron as Fe	IRDH/SOP-SL/22	1250.0	mg/kg
17.	Copper as Cu	IRDH/SOP-SL/21	12.0	mg/kg
18.	Zinc as Zn	IRDH/SOP-SL/20	24.5	mg/kg
	Texture			
4.0	Sand		60.3	04 1
19.	Clay	IRDH/SOP-SL/08	26.5	% by mass
	Silt		13.2	
20.	Sodium Absorption Ratio(SAR)	IRDH/SOP-SL/13	0.81	By calculation

#### Table 3.7 Physico-Chemical Characteristics of Soil in the Study Area

#### 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.

# **ANNEXURE I**

	ENVIRONMENTAL	Ministry of Environme (Issued by the State Environme Authority	rnment of India ent, Forest and Climate Change nvironment Impact Assessment (SEIAA), Haryana)
		The Authorized Signatory M/S DLF LIMITED DLF Gateway Tower, R Block	DLF City Phase III, Gurugram -122002
	Interactive, low <b>H</b> ub <b>)</b>	in respect of project submitted t	fication 2006-regarding pplication for Environmental Clearance (EC) to the SEIAA vide proposal number 2021. The particulars of the environmental
PARIVESH	and Responsive Facilitation by Interactive, ous Environmental Single-Window Hub)	<ol> <li>EC Identification No.</li> <li>File No.</li> <li>Project Type</li> <li>Category</li> <li>Project/Activity including Schedule No.</li> <li>Name of Project</li> </ol>	EC22B039HR127912 SEIAA/HR/2021/409 New B1 8(b) Townships and Area Development projects. Affordable Plotted Housing Colony under Deen Dayal Jan Awas Yojana (DDJAY) over land area measuring 26.91875 acres in Sector 93, Village Hayatpur, Sub Tehsil Hasaru, District Gurugram
đ	Res Envii	7. Name of Company/Organization 8. Location of Project	M/S DLF LIMITED Haryana
		9. TOR Date	26 Oct 2021
	(Pro-Active and Virtu	The project details along with terms and no 2 onwards.	conditions are appended herewith from page
	Ja)	Date: 28/04/2022	(e-signed) S. Narayanan, IFS Member Secretary SEIAA - (Haryana)
	PANPARSH PANPARSH ATTENT		e shall be one that has EC identification PARIVESH.Please quote identification ce.

This is a computer generated cover page.

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY HARYANA Bay No. 55-58, PrayatanBhawan, Sector-2, PANCHKULA. Tel: 0172-2565232, 4043956 E-mail Id: seiaa-21.env@hry.gov.in

### Project: EC for project "Affordable Plotted Housing Colony under Deen Dayal Jan Awas Yojana (DDJAY)" over land area measuring 26.91875 acres in Sector 93, Village Hayatpur, Sub Tehsil Hasaru, District Gurugram, Haryana by M/S DLF LIMITED.

This has reference to your proposal No. SIA/HR/MIS/63304/2021 dated 07.12.2021 and subsequent **letters dated 28.05.2021** for seeking prior Environmental Clearance (EC) for the above project under the EIA Notification, 2006 along with submission of required scrutiny fee amounting to Rs. 2,00,000 vide DD No. 519899 dated 27.10.2021 in compliance of Haryana Government, Environment & Climate Change Notification No. DE&CCH/3060 dated 14th October, 2021. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., Form-1, Form1-A, Conceptual Plan and additional clarifications furnished in response to the observations of the State Expert Appraisal Committee (SEAC) constituted by MoEF & CC, GoI vide their Notification dated 21.02.2022, in its meeting held on 08.04.2022 awarded "Gold" rating / grading to the Project.

2. It is inter-alia, noted that the project involves in the "Affordable Plotted Housing Colony under Deen Dayal Jan Awas Yojana (DDJAY)" over land area measuring 26.91875 acres in Sector 93, Village Hayatpur, Sub Tehsil Hasaru, District Gurugram, Haryana.

		and the second
Sr. No.	Particulars	
1.	Online Proposal Number	SIA/HR/MIS/63304/2021
2.	Latitude	28°25'1.05"N
3.	Longitude	76°55'53.56"E
4.	Plot Area	108,936.316 m ²
5.	Net Plot Area	108,831.098 m ²
6.	Proposed Ground Coverage	36154.09 m ² (65.99 % of residential
		area)
		2,606 m ² (59.74 % of commercial
		area)
7.	Proposed FAR	Residential- 1,30,900.800 m ²
		Commercial- 7,636 $m^2$
8.	Non FAR Area	133,051.459 m ²
9.	Total Built Up area	2,71,588.259 m ²
10.	Total Green Area with %	15,251.08 m ² (14% of Net plot area)
11.	Rain Water Harvesting Pits (with size)	27 No. (5 m x 3.5 m x 3.72 m)
12.	STP Capacity	725 KLD

3. The details of the Project as given below:

## Table1: Basic Details

13.       14.       15.	Total ParkingOrganic Waste	Commenter	1621 ECS	
15.	organie (ruste	Converier	4 no.	
	Maximum Height of the Building (m)		15 m	
16.	Power Requirer		7.100 KW	
17.	Power Backup		3 x 2000 kVA	
18.	Total Water Re	quirement	757 KLD	
19.	Domestic Wate		455 KLD	
20.	Fresh Water Re	-	455 KLD	
21.	Treated Water	1	495 KLD	
22.	Waste Water G	enerated	550 KLD	
23.	Solid Waste Ge	nerated	3,616 kg/day	
24.	Biodegradable	Waste	2,186 kg/day	
25.	Number of Tow		-	
26.	Dwelling Units		No. of Residential Plots- 367 no.	
	E .	Adv. Same	Commercial- 1 No.	
	1		Community- 1 No. will be handover to	
	~	7. <b>S</b> S U	authorities.	
27.	Basement		4 basement in commercial	
28.	Community Cer	nter	1 No.	
29.	Stories		B+S+4	
			(For Residential Plot Development)	
30.	R+U Value of N	Material used (Glass)	R Value: 0.176 W/m ² .K	
			U Value: 5.67 W/m ² .K	
21	Total Cost of th	i) Land Cost	Rs. 102.26 Crore	
31.	project:	1.3.1.5.1		
	211	ii) Construction Cost	Rs 560.51 Crore	
32.	CER		15 Lakhs	
33.	EMP Budget		Capital Cost: Rs 329 Lakhs	
	100		Recurring Cost: 21.5 Lakh/year	
34.	Incremental	Load in i) PM 2.5	Onsite NW - 0.103 $\mu$ g/m ³	
	respect of:	ii) PM 10	Onsite NW - 0.249 $\mu$ g/m ³	
		iii) SO ₂	Onsite NW - 1.93 $\mu g/m^3$	
		iv) NO ₂	Onsite NW - 0.999 $\mu$ g/m ³	
		v) CO	Onsite NW - 0.001 $\mu$ g/m ³	
35.	Construction Phase:	i) Power Back-up	2 x 125 kVA	
		ii) Water Requirement &	Requirement: 14 KLD	
		Source	Source : STP treated Water	
		iii) STP (Modular)		
		iv) Anti-Smoke Gun		

## Table 2:EMP BUDGET

S. No.	Description	Capital Cost(in Lakhs)
5.110.		
1	Landscaping	65
2	Water Management (725 KLD STP)	90
3	Rain water harvesting(No. 27)	54
	Air Management (3 x 2000 kVA capacity DG Stack &	
4	Acoustic Treatment)	30
5	Solid Waste Management	50
6	Social Activities	15
7	Solar Panel	20
8	Miscellaneous	5
	Total Carlo Contra Cont	Rs 329 Lakhs

#### **Capital Cost**

Tangible cost breakup of Social Activities:

S No.	Description of Social Cost	Capital Cost(in Lakhs)
а	Miyawaki Plantation	7.5
	Infrastructure development at Govt. Primary School	
b	sector-93, Hayatpur	7.5
	Total	15

# Recurring Cost

	Recurring Cost	13
S. No.	Description	Recurring Cost (In Lakhs/year)
1	Landscaping	6.0
2	Water Management (STP)	4.0
3	Rain water harvesting	4.5
4	Environment Monitoring	2.0
5	Solid Waste Management	3.0
6	Miscellaneous	2.0
	Total	Rs 21.5 Lakh/year

**4.** The State Expert Appraisal Committee, Haryana after due consideration of the relevant documents submitted by the project proponent and additional clarification furnished in response to its observations, have recommended the grant of environmental clearance for the project mentioned above, subject to compliance with the stipulated conditions. Accordingly, the State Environment Impact Assessment Authority in its **139th meeting held on 18.04.2022** decided to agree with the recommendations of SEAC to accord necessary environmental clearance for the

project under **Category 8(a)** of EIA Notification 2006 subject to the **strict compliance with the following stipulations depicted below:-**

## A. Specific conditions:-

- 1. Sewage shall be treated in the STP based on latest Technology with tertiary treatment i.e. Ultra Filtration to achieve standards ordered by NGT. The Treated effluent from STP shall be recycled /reused for flushing. DG cooling and Gardening. The dimension of each component of STP should be properly designed as per Norms.
- 2. The PP should provide separate services across revenue rasta or carry out construction after approval of Competent Authority.
- 3. The PP shall spent Rs.5Lakhs on various wildlife conservation activities like artificial nests on the trees, digging of ponds and construction of feeding platforms through Environment Management Plan
- 4. The PP shall handover the 10% of the area for community development to the authorities as per approval.
- 5. The PP shall also develop the Miyawaki Forest as proposed in the EMP with the capital cost of 7.5 lakhs in the area of 1200 sqm. outside the project area and maintain the same. The Miyawaki forest shall be developed under the guidance of MD Forest corporation Haryana
- 6. 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.
- 7. The PP shall ensure that total 2% of the cost of project shall be spent on EMP Budget. However, the amount and component shown in EMP table above shall also be included for the purpose of 2% amount. The EMP cost on Socio Economic activities shall be used before the commencement of the project & EMP recurring inside the project shall be implemented throughout the operation of the project. The PP shall establish Environment monitoring cell as per documents submitted.
- 8. The PP shall not carry out any construct above and below revenue rasta if passing through the project and ensure that permission of the competent authority shall be obtained before carry out any construction above or below the revnuerasta. The PP shall put notice board on the revenue rasta for the passer byes.
- 9. 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.
- 10. 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.
- 11. 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.
- 12. Traffic management plan as submitted shall be implemented in letter and spirit. Apart, a detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is marinated and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habilitation being carried out or purpose to be carried out by the project or other agencies in this 05kms radius of the site in different scenarios of space and time

- 13. 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 15,251.08 m2 (14% of Net plot area) of total plot area shall be provided for Green Area development for whole project, excluding plot areas.
- 14. 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.
- 15. 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.
- 16. The Approval of the Competent Authority shall be obtained for structural safety of building code due to earthquakes, adequacy of fire fighting equipments etc. as per National Building Code including protection measures from lightening etc.
- 17. The PP shall obtain the Fire NOC from the Competent Authority before taking the occupation of the building.
- 18. The PP shall install the Eco Friendly Green Transformer based on ester oil to reduce the carbon footprint. The PP shall shift to gas based generator set when the gas is available. The PP shall install APCM for the DG set. The PP shall reduce the So2 load by30% if HSD is used. The DG sets will be operated for maximum 04 hours during power failure through Executing Agency
- 19. The PP shall not give occupation or possession before the water supply and sewage connection permitted by the competent authority.
- 20. The PP shall not give occupation or possession before the electricity connection permitted by the competent Authority.
- 21. 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.
- 22. The PP shall carry out the quarterly awareness programs for the stakeholders of the project.
- 23. 27 Rain water harvesting recharge pits shall be provided for ground water recharging as per the CGWB norms.
- 24. The PP shall install Digital water level recorder for monitoring the water recharge and carry out quarterly maintenance and cleaning of 27 RWH pits.
- 25. 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.
- 26. The PP shall take all preventive measures including water sprinkles to control dust during construction and operational phase.
- 27. Any change in stipulations of EC will lead to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance.
- 28. The excess treated water shall be reused in nearby DLF Projects for construction purpose
- 29. The PP shall provide the separate services without crossing the revenue rasta in three pockets i.e. zone A,B and C
- 30. The PP shall install Retrofit emission control devices for DG sets approved by CPCB to further reduce the emission by intervening the exhaust. The emission level shall comply with the CPCB guidelines or norms
- 31. The PP shall shall install the DG set of 4000KVA capacity and reduce the power backup undertaking
- 32. The PP shall install the DG set based on multi fuel injection system and capacity and will shift DG set on the gas as and when available.
- 33. Before starting of the construction, PP shall obtain requisite sewer connection/permission from the competent Authority

### **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 Rules2001 as amended in 2020) shall be followed.
- [10] The project proponent shall follow the ECBC Act/ECBC-Rules prescribed by Bureau of Energy Efficiency, Ministry of Power strictly in addition of bylaws of the State Government.

## I Air Quality Monitoring and Preservation

- i. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.
- iv. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of ultra lowsulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand,

cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.

- vi. Sand, murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
- x. The diesel generator sets to be used during construction phase shall be ultra lowsulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Ultra low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

#### II Water Quality Monitoring and Preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iii. Total fresh water use shall not exceed the proposed requirement as provided in the project details. The per capita supply should adhere to NBC 2016 and CGWA Notification dated 12.12.2018.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete,

curing agents and other best practices referred.

- xi. The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain Water Harvesting pits shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xiii. All recharge should be limited to shallow aquifer.
- xiv. No ground water shall be used during construction phase of the project.
- xv. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xvi. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- xvii. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
- xviii. No sewage or untreated effluent water would be discharged through storm water drains.
- xix. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
- xx. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- xxi. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

### III Noise Monitoring and Prevention

- i. Ambient noise levels shall conform to residential area/commercial area both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
- 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.
- Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

### IV Energy Conservation Measures

i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency as per ECBC Act, 2017 read with ECBC Rules, 2018 shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC also which is in no case should be less than 25% as prescribed.

- ii. Outdoor and common area lighting shall be LED.
- iii. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof R & Uvalues shall be as per ECBC specifications.
- iv. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- v. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
- vi. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
- vii. The PP will submit report indicating compliance of each parameter of ECBC requirement and submit quantification saving report for each component.

#### V Waste Management

- i. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
- ii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iii. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
- iv. Organic Waste Converter within the premises with a minimum capacity of 0.5 kg /person/day must be installed. Leaves to be put in earmarked pits for converting them into compost to be used as manure.
- v. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- vi. Any hazardous waste generated during construction phase, shall be disposed of as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
- viii. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016.Ready mixed concrete must be used in building construction.
- ix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- x. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

## VI Green Cover

i. No tree can be felled/transplant unless exigencies demand. Where absolutely

necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).

- ii. A minimum of 1 tree (5' tall) for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- iii. Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- iv. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

#### VII Transport

- A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), i. 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.
  - Proper design of entry and exit points. c)
  - d) Parking norms as per local regulation.
- e * ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

#### VIII Human Health Issues

- i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- For indoor air quality the ventilation provisions as per National Building Code of ii. India.
- Emergency preparedness plan based on the Hazard identification and Risk iii. Assessment (HIRA) and Disaster Management Plan shall be implemented.
- Provision shall be made for the housing of construction labour within the site with all iv. 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.
- Occupational health surveillance of the workers shall be done on a regular basis. v
- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

#### IX **Corporate Environment Responsibility**

i. The project proponent shall comply with the provisions of CER, as applicable.

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

- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

## X Miscellaneous

ii.

- i. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- v. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.

- vi. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- vii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- viii. The project proponent shall abide by all the commitments and recommendations made in the form-IA, Conceptual Plan and also that during their presentation to the Expert Appraisal Committee.
- ix. No further expansion or modifications in the plan shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)/SEIAA, Haryana. The project proponent shall seek fresh environmental clearance under EIA notification 2006 if at any stage there is change of area of this project.
- Any change in planning of the approved plan will leads to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance
- xi. The PP should give unambiguous affidavit giving land promoters in accordance with your ownership and possession of land legal the case referred for Environment Clearance to SEIAA.
- xii. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiii. The Ministry/SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiv. The Ministry/SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xv. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xvi. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvii. The validity of this environment clearance letter is valid up to10 years from the date of issuance of EC letter as per MoEF & CC, GoI notification No. S.O. 1807 (E) 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.

xviii. If project is not completed within the validity period then the project proponent shall submit the application for extension of validity within the validity period of Environment Clearance i.e. 10 years.

The Project Proponent should intimate to the Authority as well as to the quarter concerned in case of any change in the present communication address.

> (S. Narayanan, IFS) Member Secretary, State Level Environment Impact ssessment Authority, Haryana, Panchkula.

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

- Director (IA Division), MoEF& CC, GoI, Indira Paryavaran Bhavan, Zorbagh Road-New 1. 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 with a request to issue necessary permissions/approvals after the unit complies with the condition of having sewer connection.
- 4. Director, Environment & Climate Change Department, Haryana, SCO 1-3, Sector-17 D, Chandigarh-160017
- Director General, Town & Country Planning Haryana, Plot No. 3, Sector 18A, 5. Madhya Marg, Chandigarh- 160018 with a request to issue necessary permissions/approvals after the unit complies with the condition of having sewer connection.
- Regional Office, Ministry of Environment, Forests & Climate Change, Govt. of India, 6. Bay's No. 24-25, Sector 31-A, Dakshin Marg, Chandigarh-160018.
- Concerned File/ Office Copy 7.

(S. Naravanan, IFS) Member Secretary, State Level Environment Impact Assessment Authority, Haryana, Panchkula.

# **ANNEXURE II**

**DLF Limited** 

DLF Gateway Tower, R Block, DLF City, Phase III, Gurugram-122 002, Haryana Tel.: (+91-124) 4396000

Receipt No: - 8298/16/03/2022

Ack



File Ref. VI/DDJAY/93/8

March 15, 2022

The Commissioner, Municipal Corporation, Manesar

Subject: Laying of services through the Revenue Rastas within the Affordable Plotted Colony under DDJAY area measuring 26.91875 acres, in Sector 93, Gurugram.

Sir,

- Kindly refer to Director, Town & Country Planning, Haryana, Endst no. LC-4223/Asstt. (MS)/2021/29053 dated 16.11.2021, wherein licence no. 94 of 2021 dated 12.11.2021 has been granted for setting up of Affordable Plotted Colony under Deen Dayal Jan Awas Yojana over area measuring 26.91875 acres in Sector 93, Gurugram.
- 2. In pursuance of the licence granted, we are carrying out development works in the colony. The colony is consisting of 2 nos. revenue rastas. Approved layout plan showing the revenue rastas marked as <u>"A to B, C to D & E to G"</u> is enclosed herewith for your perusal and ready reference as <u>Annexure "A"</u>.

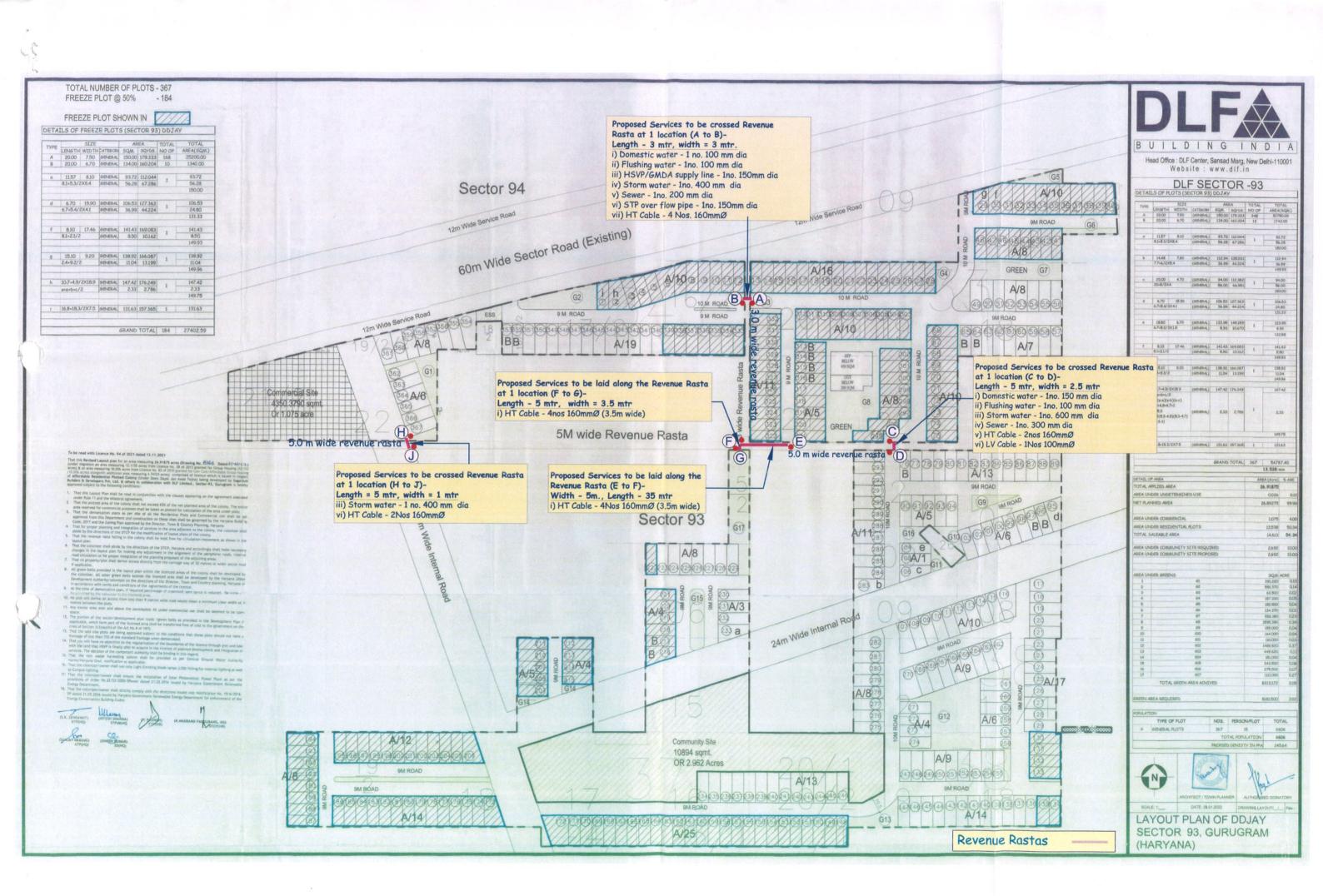
We are required to lay the utility services through these two revenue rastas.

3. In view of the above, it is requested that the necessary approval may kindly be accorded to utilize the revenue rasta for laying the utility services. We further undertake that, roads will be restored back to original condition after laying of services.

Thanking you,

Yours faithfully, For DLF Limited,

(DEEPAK BHANDARI) Authorized Signatory Encl: As above



# **ANNEXURE III**



## प्रभागीय वन अधिकारी द्वारा अनुमति पत्र Permission letter by Concerned Divisional Forest Officer हरियाणा सरकार / Government of Haryana



हरियाणा भू-परिक्षण अधिनियम, 1900 (1900 का पंजाब का अधिनियम II) की धारा-4 के अधीन अधिसूचित भूमि में वृक्षों की कटाई की अनुमति। Permission for felling of trees in areas notified under general section-4 of Haryana Land and Preservation Act, 1900 (Punjab Act II of 1900).

नाम Name	सुनील कुमार अरोरा Sunil Kumar Arora
संगठन का नाम Organisation Name	DLF Limited
वर्तमान पता Current Address	Dlf Gateway Tower, R Block, Dlf City, Phase Iii, Gurugram-122 002, Haryana
भूमि स्थान Land Location	Hayatpur , Gurgaon (Haryana),
भूमि मापन Land Measurements	26.9187(Acre)
खसरा/ प्लाट नम्बर Khasra/Plot Number	33//13/2, 33//14/1/2 Min, 34//19/2/2, 34//20/2/2, 37//13/2, 37//14/1, 33//18, 33//19, 34//16/2, 34//17/2, 34//18/11/2, 34//19/1/2, 34//21/2, 34//22, 37//16, 37//20/1, 37//19/2, 38//2, 38//3, 38//20/1, 33//20, 33//21, 33//22, 38//8,38//9, 38//13, 38//13/1, 37//5/2, 37//6, 37//15. 37//16, 37//17, 37//18, 37//19/1, 38//14/5, 38//18, 38//19, 37//24/1, 37//25/1, 38//20/2, 38//21/1
रेंज अफसर का नाम Range Officer Name	Karamvir Malik
Reference No. (SRN):-I जारी करने की तिथि / Date ( जारी करने का स्थान / Place	of Issuance: 21-10-2022
	Issuing Authority: Divisional Forest Officer (Rajeev Tejyan,)

https://164.100.137.243/eservices/mobileapi/verify/forest/PJ0YW4B9A8



## प्रभागीय वन अधिकारी द्वारा अनुमति पत्र Permission letter by Concerned Divisional Forest Officer हरियाणा सरकार / Government of Haryana



हरियाणा भू-परिक्षण अधिनियम, 1900 (1900 का पंजाब का अधिनियम II) की धारा-4 के अधीन अधिसूचित भूमि में वृक्षों की कटाई की अनुमति। Permission for felling of trees in areas notified under general section-4 of Haryana Land and Preservation Act, 1900 (Punjab Act II of 1900).

Species		Classwise number of trees						Total	Total	
	V	IV	III	IIA	IIB .	IA	IB	Under Size Trees	no. of trees	Volume (M3)
Kikar	3	2	0	0	0	0	0	0	5	0.46
Shisham	9	2	1	0	. 0	0	0	0	12	1.39
Neem	0	0	0	1	1	0	0	0	2	3.11
Alastonia	0	1	0	0	0	0	0	0	1	0.14
Safeda	1	7	3	0	0	0	0	0	11	2.75
Alanthas	0	2	1	0	0	0	0	0	3	0.85
Sahtoot	5	2	0	0	0	0	0	0	7	0.58
Total	18	16	5	1	1	0	0	0	41	9.28
CC B. C.	•			10	S.C.		2.3			
		Single .								
		11	18	35 L 3	12					the second
	A fire		4 13	tit.			4.52			2

जारी करने की तिथि / Date of Issuance: 21-10-2022 जारी करने का स्थान / Place of Issuance: Gurgaon जारी करने वाला प्राधिकरण / Issuing Authority: Divisional Forest Officer (Rajeev Tejyan,)



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

https://164.100.137.243/eservices/mobileapi/verify/forest/PJ0YW4B9A8

10 AST -	प्रभागीय वन्	ा अधिकारी द्वारा अनुमति पत्र 👘
*	Per	mission letter by
PA FAM	Concerned	Divisional Forest Officer
-	हरियाणा सरव	गर / Government of Haryana
	ाणा भू-परिक्षण अधिनियम, 1900 (1900 का पंजाब का अ nission for felling of trees in areas notified 1900 (Punjab Act II of 1900).	अधिनियम II) की धारा-4 के अधीन अधिसूचित भूमि में वृक्षों की कटाई की अनुमति। d under general section-4 of Haryana Land and Preservation
	licant <u>Sunil Kumar Arora</u> located at vi oposal to fell trees on this land with Khası report submitted by RFO, <u>Karamvir Malik</u>	llage <u>Hayatpur</u> district <u>Gurgaon</u> made ra/ Plot number rade
1. 01	nly the numbered trees will be felled.	CONDITIONS OF PERMIT
2. Tr	ees to be felled will not be uprooted excep	t in case of developmental works/ Individual plots.
	o dragging of wood will be permitted.	
4. Fel	lling after sun set and before the sun rise v	will not be permitted.
	fire will be allowed.	
as det	termined by DFO for any such illicit felling.	ny illicit felling in the area and he will have to pay the compensati
8. No	forest produce will be removed without a	Rawana Challan from concerned Range Officer.
9. The the ap	permit is liable to be cancelled at any tim plication for permit are found incorrect. T	ne if any violations of conditions of permit take place / facts given The decision of DFO in this regard will be final.
10. Th the lar	e forest department does not hold any re nd.	esponsibility for distribution of sale proceeds among the owners
11. No	separate permit for timber transit as per	Indian Forest Act,1927 is required within the territory of Haryana.
12. Per The Us	mission Is Granted For Felling Of 41 Trees er Agency Will Plant 10 Times Of Felling T e To The Concerned Rfo Permission Is Vali	s Of Dfo Subject To The Condition That Trees Applicant Must Submit The Proof
ate:	21-10-2022	_Rajeev Tejyan,
lace:	Gurgaon	(Divisional Forest Officer)

https://164.100.137.243/eservices/mobileapi/verify/forest/PJ0YW4B9A8

# **ANNEXURE IV**



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

Website: www.hrocmms.nic.in E-Mail - hspcbho@gmail.com Telephone No.: 0172-2577870-73

No. HSPCB/Consent/: 329962322GUSOCTE24509503

Dated:17/06/2022

To.

M/s : Affordable Plotted Housing under Deen Dayal Jan awas Yojana (DDJAY) over 26.91875 acers in sector 93, Gurugram

DLF Gateway Tower GURGAON 122505

## Sub. : Grant of consent to Establish to M/s Affordable Plotted Housing under Deen Dayal Jan awas Yojana (DDJAY) over 26.91875 acers in sector 93, Gurugram HARYANA STATE

Please refer to your application no. 24509503 received on dated 2022-05-27 in regional office Gurgaon South.

With reference to your above application for consent to establish,M/s Affordable Plotted Housing under Deen Dayal Jan awas Yojana (DDJAY) over 26.91875 acers in sector 93, Gurugram is here by granted consent as per following specification/Terms and conditions.

Consent Under	AIR/WATER
Period of cons <mark>ent</mark>	17/06/2022 - 27/04/2032
Industry Type	Building and Construction projects having waste water generation more than 100 KLD in respective of their built-up area
Category	RED
Investment(In Lakh)	39655.0
Total Land Area (Sq. meter)	108936.31
Total Builtup Area (Sq. meter)	271588.25
Quantity of effluent	
1. Trade	0.0 KL/Day
2. Domestic	550.0 KL/Day
Number of outlets	1.0
Mode of discharge	
1. Domestic	Recycling/Reuse
2. Trade	0
Permissible Domestic E	ffluent Parameters
1. BOD	30 mg/l

2. COD	250 mg/l
3. TSS	100 mg/l
4. Oil & Grease	10 mg/l
5. pH	5.5-9.0
Permissible Trade Efflu	ent Parameters
1. NA	mg/l
Number of stacks	1
Height of stack	
1. Attached to D.G.Set above ground level	30 meter
Permissible Emission pa	arameters
1. NA	
Capacity of boiler	
1. N.A.	Ton/hr
Type of Furnace	A second s
1. N.A.	
Type of Fuel	
1. Diesel	0.2 KL/day

## HARYANA STATE

Regional Officer, Gurgaon South

Haryana State Pollution Control Board.

## **Terms and conditions**

1.

2.

- The industry has declared that the quantity of effluent shall be 550 KL/Day i.e 0KL/Day for Trade Effluent, 0 KL/Day for Cooling, 550 KL/Day for Domestic and the same should not exceed .
- The above 'Consent to Establish' is valid for 60 months from the date of its issue to be extended for another one year at the discretion of the Board or till the time the unit starts its trial production whichever is earlier. The unit will have to set up the plant and obtain consent during this period.
- 3. The officer/official of the Board shall have the right to access and inspection of the industry in connection with the various processes and the treatment facilities being provided simultaneously with the construction of building/machinery. The effluent should conform the effluent standards as applicable
- 4. That necessary arrangement shall be made by the industry for the control of Air Pollution before commissioning the plant. The emitted pollutants will meet the emission and other standards as laid/will be prescribed by the Board from time to time.
- 5. The applicant will obtain consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21/22 of the Air (Prevention & Control of Pollution) Act, 1981 as amended to-date-even before starting trial production
- 6. The above Consent to Establish is further subject to the conditions that the unit complies with all the laws/rules/decisions and competent directions of the Board/Government and its functionaries in all respects before commissioning of the operation and during its actual working strictly.
- 7. No in-process or post-process objectionable emission or the effluent will be allowed, if the scheme furnished by the unit turns out to be defective in any actual experience

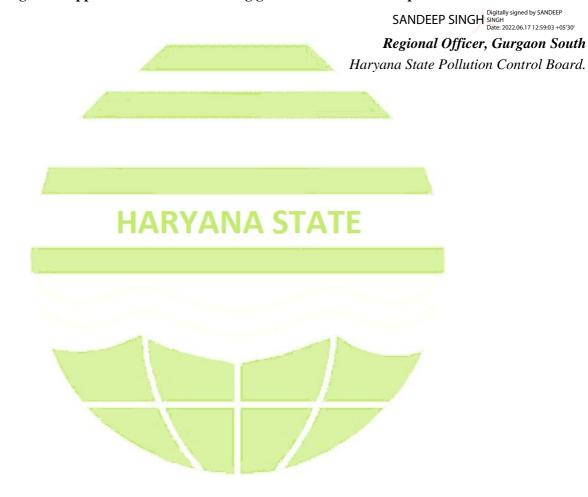
- 8. The Electricity Department will give only temporary connection and permanent connection to the unit will be given after verifying the consent granted by the Board, both under Water Act and Air Act.
- 9. Unit will raise the stack height of DG Set/Boiler as per Board's norms.
- 10. Unit will maintain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

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

## **Specific Conditions**

## **Other Conditions :**

1. Unit will take Consent to Operate before starting the occupation/ operation of the project. 2. The unit will install the project only on the premises for which unit has applied for NOC. 3. The unit will install adequate acoustic enclosures/ chambers on their D.G. sets with proper stack height as per prescribed norms to meet the prescribed standards under EP Rules, 1986. 4. Unit will comply the conditions mentioned in the letter dated 25-10-2019 of CPCB regarding mechanism for Environmental management. 5. Unit will register on Dust control & management app and will install anti smog gun and will submit the proof of the same.



# **ANNEXURE V**



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

00.7a

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

नाम Name	आकांक्षा Akanksha	
संगठन का नाम Organisation Name * वर्तमान पता	M/s Akina Builders & Developers Private Limited & Collaboration With Dlf Limited.	Others In
Current Address	2nd Floor, Gateway Tower, Dlf Cyber City Phase Iii	
भूमि स्थान Land Location	Hayatpur,Gurgaon,Hayatpur	
भूमि मापन Land Measurements	26.956 (Acre)	41 2012
आयत नम्बर / मुरबा नम्बर Rectangle No./ Murba No.	33, 34, 37, 38;	
		24 24
•		
er e		
	2	
-	•	225
Reference No. (SRN):- KI जारी करने की तिथि / Date of जारी करने का स्थान / Place c जारी करने वाला प्राधिकरण / Is	Issuance: 26-10-2021	

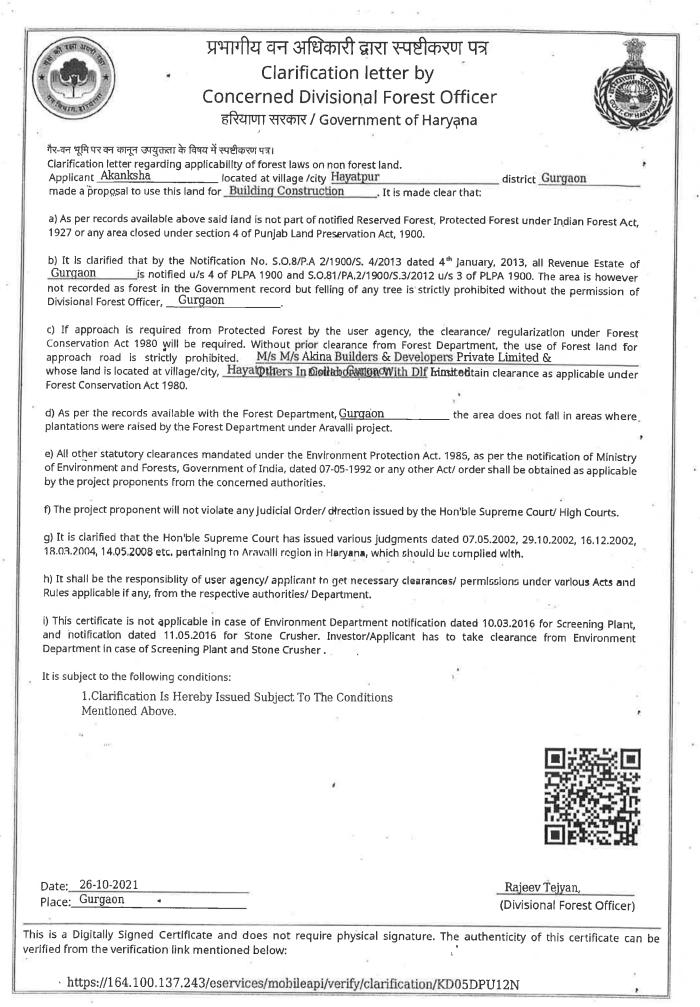
verified from the verification link mentioned below:

https://164.100.137.243/eservices/mobileapi/verify/clarification/KD05DPU12N

all TEN MARY	प्रभागीय वन अधिकारी द्वारा स्पष्टीकरण पत्र Clarification letter by					
SP.	Concerned Divisional Forest Officer					
Addin 211	हरियाणा सरकार / Government of Haryana	Cor Ham				
गैर-वन भमि पर वन कानन उप	युक्तता के विषय में स्पष्टीकरण पत्र।					
	arding applicability of forest laws on non forest land.	12				
- किला नम्बर	Khasra No Not Applicable And Applicable Rectangle & Kila I	Nos · Rectangle No 33 Kila				
Killa Number	No .18 (8-0), 19 (8-0), 13/2 (6-18), 14/1/2min (2-7), 2Q(8-0), 2 34, Kila No 16/2(7-10), 17/2(6-5), 18/1/1/2min(1-16),18/1/1/2 21/2(6-16), 22(7-7), 19/2/2(1-14),20/2/2(0-2). Rectangle No 3 No5/2(1-13),6(8-0),15(8-0),17(8-0),18(8-0),19/1(0-2),16(8-0), 15),14/1(4-0),24/1(1-13),25/1(1-13) Rectangle No 38, Kila No (7-15-9),13/1(7-12),14/5(0-4),18(8-0),19(8-0),20/1(5-7),12(8-0)	21(7-7), 22(7-7), Rectangle min (1-1),19/1/2(0-2), 7, Kila 20/1(3-10),19/2(7-18),13/2(1- 0 2(7-15),3(8-0),8(7-18),9min				
		4				
ĩ						
	ч ^а ,	<u>_</u>				
*						
ग्योजन Purpose	Building Construction					
·····	4					
	12					
	x 17 542					
	2	8				
		12				
17 1420						
जारी करने की तिथि / Date o		<b>新教教主任</b>				
जारी करने का स्थान / Place	of Issuance: Gurgaon 🔒					
जारा करने वाला प्राधिकरण / ि	ssuing Authority: Divisional Forest Officer					

https://164.100.137.243/eservices/mobileapi/verify/clarification/KD05DPU12N

.



प्रेषक,

उपायुक्त, गुरूग्राम।

सेवा मे

M/s DLF Limited, Gateway Tower (2nd Floor), DLF City, Phase-III, Gurugram.

> 75 / एम0बी0 कुमांक

दिनांक 17/11/2021

Report of the Tehsildar Gurugram through the office of DC that the land of the विषयः– project does not fall under MoEF Aravalli Notification S.O 319(E) dated 7th May 1992: NOC Forest and Aravalli Certificate for project site of "Affordable Plotted Housing Colony under Deen Dayal Jan Awas yojna. Sector 93, Village Hayatpur, Gurugram.".

उपरोक्त विषय के संदर्भ में।

विषयाधीन मामले मे उक्त के सम्बन्ध मे नायब तहसीलदार, हरसरू व उप वन संरक्षक, गुरूग्राम से रिर्पोट प्राप्त की गई जो निम्न प्रकार है:–

नायब तहसीलदार, हरसरू ने अपने कार्यालय के पत्र कमाकं 571/रीडर दिनांक 21.09.2021 के द्वारा रिर्पोट इस कार्यालय में प्रेषित की है जिसमें लिखा है कि रिर्पोट पटवारी हल्का से ली गई। रिर्पोट पटवारी हल्का अनुसार किला नम्बरान/खसरा नम्बरान 33//13/2(6–18), 14/1/2(2–7), 34 / / 16 / 2(7-10), 17/2(6-5), 22(7-7), 21(7—7), 20(8–0), 19(8-0), 18(8-0),  $18/1/1/2(2-17), \quad 19/1/2(0-2), \quad 19/2/2(1-14), \quad 20/2/2(0-2), \quad 21/2(6-16), \quad 22(7-7),$ 37 / / 13 / 2(1-5), 14 / 1(4-0), 5 / 2(1-13), 6(8-0), 15(8-0), 17(8-0), 18(8-0), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2), 19 / 1(0-2),24/1(1-13), 25/1(1-13), 38/20/2(2-13), 21/1(1-12), 37//19/2(7-18), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-10), 20/1(3-1016(8-0), 38//2(7-15), 3(8-0), 18(8-0), 8(7-18), 9用可(7-16), 13/1(7-12), 12(8-0), 14/5(0-4), 19(8-0), 20/1(5-7) मौजा हयातपुर उप तहसील हरसरू जिला गुरूग्राम का राजस्व रिकार्ड से अवलोकन किया गया। अवलोकन उपरान्त मांगी गई रिर्पोट बिन्दुवार निम्न प्रकार है:--

- 1. उपरोक्त अराजी पर नोटिफिकेशन दिनाकं 07.05.1992 के अनुसार जमाबंदी में अरावली क्षेत्र में होने का इन्द्राज दर्ज नही है।
- 2. नोटिफिकेशन से पूर्व व उसके पश्चात उपरोक्त पर किस्म गैर मुमकिन पहाड, गैर मुमकिन राडा, गैर मुमकिन बीहड, बंजर बीहड या रुद्र का इन्द्राज जमाबंदी में दर्ज नही है।
- 3. नोटिफिकेशन दिनाकं 07.05.1992 से पूर्व उपरोक्त अराजी की किस्म चाही व हाल किस्म किला न0 38 / / 14 / 5, 37 / / 18, 33 / / 20, 21, 22 की किस्म गैर मुमकिन व बाकी अराजी की किस्म चाही जमाबन्दी में दर्ज है।
- 4. उपरोक्त अराजी पर मिसल हकियत ता हाल कभी भी ग्राम पंचायत/शामलात देह/नगर पालिका/नगर निगम की मलकियत नही रही है।
- 5. उपरोक्त अराजी पर जमाबंदी के खाना कैफियत मे किसी केस आदि का इन्द्राज दर्ज नही है।
- 6. उपरोक्त अराजी का SEZ (Special Economical Zone) मे होने का इन्द्राज जमाबंदी के खाना कैफियत में दर्ज नही है।
- 7. उपरोक्त अराजी पर जमाबंदी के खाना कैफियत में धारा 4, 6 व अवार्ड मे होने का इन्द्राज दर्ज नही है।

**उप वन संरक्षक, गुरुग्राम** ने अपने कार्यालय के पत्र क्रमांक 2239—जी0 दिनांक 03.11.2021 के द्वारा अवगत कराया है कि उनके कार्यालय द्वारा ऑनलाईन दिनाकं 26.10.2021 (M/s Akina Builders & Developers Private Limited & Others in Collabration With DLF Limited) को गावं हयातपुर की 26.956 एकड की फोरेस्ट क्लेरिफिकेशन जारी की जा चुकी है जिसकी छाया प्रति इस कार्यालय में प्रेषित की है जिसमें लिखा है कि Applicant M/s Akina Builders & Developers Private **limited & Others in Collabration With DLF Limited** Land Measuring 26.956 (Acre) having Rect No. 33 killa No. 18(8-0), 19(8-0), 13/2(6-18), 14/1/2min(2-7), 20(8-0), 21(7-7), 22(7-7), Rect. No. 34 Killa No. 16/2(7-10), 17/2(6-5), 18/1/1/2min (1-16), 18/1/1/2min(1-1), 19/1/2(0-2), 21/2(6-16), 22(7-7), 19/2/2(1-14), 20/2/2(0-2), Rect. No. 37 Killa No. 5/2(1-13), 6(8-0), 15(8-0), 17(8-0), 18(8-0), 19/1(0-2), 16(8-0), 20/1(3-10), 19/2(7-18), 13/2(1-15), 14/1(4-0), 24/1(1-13), 25/1(1-13), Rect No. 38 Killa No. 2(7-15), 3(8-0), 8(7-18), 9min(7-15-9), 13/1(7-12), 14/5(0-4), 18(8-0), 19(8-0), 20/1(5-7), 12(8-0), 20/2(2-13), 21/1(1-12) Land located at village Hayatpur District Gurugram made a proposal to use this land for Building Construction. It is made clear that:-

- A) As per records available above said land is not part of notified Reserved Forest, protected Forest under Indian Forest Act, 1927 or any area closed under section 4 of Punjab Land Preservation Act 1900.
- B) It is clarified that by the Notification No. S.O 8/P.A 2/1900/S. 4/2013 dated 04-01-13 all Revenue Estate of Gurgaon is notified u/s 4 of PLPA 1900 and S.O 81/PA.2/1900/S.3/2012 u/s 3 of PLPA 1900. The area is however not recorded as Forest in the Government record but felling of any tree is strictly prohibited without the permission of Divisional Forest officer, Gurgaon.
- C) If approach is required from Protected forest by the user agency, the clearance/regularization under Forest Conservation Act 1980 will be required. Without prior clearance from Forest Department, the use of Forest land for approach road is strictly prohibited. M/s Akina Builders & Developers Private Limited & Others in Collabration With DLF Limited whose land is located at Village/City Hayatpur District Gurgaon must obtain clearance as applicable under Forest Conservation Act. 1980.
- D) As per the records available with the Forest Department **Gurgaon** the area does not fall in areas where plantations were raised by the Forest Department under Aravali project.
- E) All other statutory clearances mandated under the Environment protection Act. 1986, as per the notification of Ministry of Environment and Forest, Government of India dated 07-05-1992 or any other Act/Order shall be obtained as applicable by the project proponents from the concerned authorities.
- F) The project proponent will not violate any Judicial Order/Direction issued by the Hon'ble Supreme Court/High Courts.
- G) It is clarified that the Hon'ble Supreme Court has issued various judgments dated 07-05-2002, 29-10-2002, 16-12-2002, 18-03-2004, 14-05-2008 etc. pertaining to Aravali region in Haryana, which should be complied with.
- H) It shall be the responsibility of user agency/applicant to get necessary clearances/ permissions under various Acts and Rules applicable if any, from the respective authorities/department.
- 1) This certificate is not applicable in case of Environment Department notification dated 10.03.2016 for Screening Plant, and notification dated 11.05.2016 for Stone Crusher. Investor/Applicant has to take clearance from Environment Department in case of Screening Plant and Stone Crusher.

It is subject to the following conditions:

- 1. Clarification Is Hereby Issued Subject To Conditions
  - Mentioned Above.

अतः नायब तहसीलदार, हरसरू व उप वन संरक्षक, गुरूग्राम की रिर्पोट अनुसार आपको Village Hayatpur, Sector-93, District Gurugram की उक्त वर्णित भूमि की Aravalli Clearance/Non Forest Land रिर्पोट इस शर्त पर जारी की जाती है कि कि प्रार्थी कम्पनी को दी गई एन0ओ0सी में यदि किसी नम्बरो पर हरियाणा सरकार के किसी भी विभाग द्वारा किसी प्रकार की भूमि अर्जन कार्यवाही धारा 4, 6 व अवार्ड आदि राजस्व रिकार्ड अनुसार पाया गया तो सम्बधित नम्बरो की अरावली एन0ओ0सी0 स्वतः रद् समझी जावेगी जिसके लिए प्रार्थी कम्पनी स्वयं जिम्मेवार होगी।

कृतेः उपायुक्त, गुरूग्राम।

# **ANNEXURE VI**



(MOEF&CC Recognized Laboratory) (ISO 9001:2015/ISO14001:2015/ ISO 45001:2018) C-10, 2nd Floor, Sector-6, Noida-201301 (U.P.)



Tel. : +91 120 4215489, E-mail : contact.irdh@gmail.com

## TEST REPORT

(Soil)

Report No. :	IRDH-0323-COM-SL-555	
Date of Reporting	28/03/2023	
Issued to	M/s Ind Tech House Consult, G-8/6, Ground Floor, Sector-11, Rohini, Delhi- 110085	
Project Name	Affordable Plotted Housing Colony Under DDJAY, Sector-93, Village Hayatpur, Sub Tehsil- Hasaru, District- Gurugram, Haryana	
Nature of Sample	Soil	
Identification of Sample	Soil Sample collected from Project Site	
Date of Sampling	21/03/2023	
Method of sampling	As per standard method	
Date of testing:	21/03/2023 To 28/03/2023	
Sampled by	IR&DH - Team	

D	ESI	TS
1	LO	ID

S. No.	Parameter	Test Method	Results	Unit
1.	pH	IS 2720 P-26 (1987)	7.85	
2.	Conductivity	IS 14767 (RA 2016)	502.0	μS/cm
3.	Moisture	IS 2720 P-25(1972)	14.6	% by mass
4.	Water Holding Capacity	IRDH/SOP-SL/07	20.2	%
5.	Specific Gravity	IS 2720 P-3 (1980)	1.87	-
6.	Bulk density	IRDH/SOP-SL/06	1.39	gm/cc
7.	Chloride	IRDH/SOP-SL/14	270.0	mg/kg
8.	Calcium	IRDH/SOP-SL/17	1816.0	mg/kg
9.	Sodium	IRDH/SOP-SL/11	136.0	mg/kg
10.	Potassium	IRDH/SOP-SL/12	50.2	mg/kg
11.	Magnesium	IRDH/SOP-SL/16	192.0	mg/kg
12.	Organic matter	IS 2720 P-22 (1972)	0.58	% by mass
13.	Cation Exchange Capacity(CEC)	IRDH/SOP-SL/09	13.2	meq/100gm
14.	Available nitrogen	IS 14684	53.0	mg/kg
15.	Available Phosphorous	IRDH/SOP-SL/10	8.07	mg/kg





(MOEF&CC Recognized Laboratory) (ISO 9001:2015/ISO14001:2015/ ISO 45001:2018) C-10, 2nd Floor, Sector-6, Noida-201301 (U.P.)



Tel. : +91 120 4215489, E-mail : contact.irdh@gmail.com

### Report No. - IRDH-0323-COM-SL-555

Page: 2/2

S. No.	Parameter	Test Method	Results	Unit
16.	Iron as Fe	IRDH/SOP-SL/22	1250.0	mg/kg
17.	Copper as Cu	IRDH/SOP-SL/21	12.0	mg/kg
18.	Zinc as Zn	IRDH/SOP-SL/20	24.5	mg/kg
	Texture			
10	Sand		60.3	0/ hrs moor
19.	Clay	IRDH/SOP-SL/08	26.5	- % by mass
	Silt		13.2	
20.	Sodium Adsorption Ratio(SAR)	IRDH/SOP-SL/13	0.81	By calculation

*End of Report*

Dr. SNA Rizvi Authorized Signatory

Test Report is limited to the invoice raised/item tested
 Test Report cannot be reproduced in a part or as whole in court without laboratory permission.
 Samples shall be retained for 4 weeks after test report submitted.





(MOEF&CC Recognized Laboratory) (ISO 9001:2015/ISO14001:2015/ ISO 45001:2018) C-10, 2nd Floor, Sector-6, Noida-201301 (U.P.)



Tel. : +91 120 4215489, E-mail : contact.irdh@gmail.com

**TEST REPORT** 

1 4		
1 Am	bient	ATT
	UIVILL	
•		/

Report No	IRDH-0323-COM-AAQ-555	
Date of Reporting	28/03/2023	
Issued to	M/s Ind Tech House Consult, G-8/6, Ground Floor, Sector-11, Rohini, Delhi-110085	
Project Name	Affordable Plotted Housing Colony Under DDJAY, Sector-93, Village Hayatpur, Sub Tehsil- Hasaru, District- Gurugram, Haryana	
Location	Project site	
Date of Sampling	21/03/2023 to 22/03/2023	
Type of Monitoring	Ambient Air Monitoring (24 hourly)	
Parameters to be sampled	PM _{2.5} , PM ₁₀ , SO ₂ , NO ₂ , CO	
Weather condition	Clear sky	
Method of sampling	As per standard Method	
Sample drawn by	IR&DH Team	
	RESULTS	

RESULTS

S. No	Parameter	Method	Results	Unit	Requirement (CPCB limits)*
1.	Particulate Matter as PM _{2.5}	IRDH/SOP/AAQM/01	62.0	μg/m³	60
2.	Particulate Matter as PM ₁₀	IS 5182 P- 23 (2006)	156.0	µg/m³	100
3.	Sulphur dioxide as SO ₂	IS 5182 P-02 (2001)	08.2	µg/m³	80
4.	Nitrogen dioxide as NO ₂	IS 5182 P-06 (2006)	20.4	µg/m³	80
5.	Carbon monoxide as CO	IRDH/SOP/AAQM/08	0.82	mg/m ³	4.0

*Gazette notification published by MoEF&CC, New Delhi on 18 Nov. 2009 *End of Report*



1- Test Report is limited to the invoice raised/item tested

2-Test Report cannot be reproduced in a part or as whole in court without laboratory permission.

3- Samples shall be retained for 4 weeks after test report submitted.





(MOEF&CC Recognized Laboratory) (ISO 9001:2015/ISO14001:2015/ ISO 45001:2018) C-10, 2nd Floor, Sector-6, Noida-201301 (U.P.)



Tel. : +91 120 4215489, E-mail : contact.irdh@gmail.com

## TEST REPORT (Ambient Noise)

	(Amblent Hoise)	
Report No	IRDH-0323-COM-ANQ-555	
Date of Reporting	28/03/2023	
Issued to	M/s Ind Tech House Consult, G-8/6, Ground Floor, Sector-11, Rohini, Delhi-110085	
Project Name	Affordable Plotted Housing Colony Under DDJAY, Sector-93, Village Hayatpur, Sub Tehsil- Hasaru, District- Gurugram, Haryana	
Location	Project site	
Date of Sampling	21/03/2023 to 22/03/2023	
Type of Monitoring	Ambient Air Monitoring (24 hourly)	
Method of sampling	As per standard Method	
Sampling Protocol	IRDH/SOP-NS/22	
Duration of Monitoring	24 hourly	
Sample drawn by	IR&DH Team	

	RESI	ULTS	All values are in dB (A)
Sr. No.	Locations	Day Time (Lday) 06:00AM - 10:00PM	Night Time (Lnight) 10:00PM - 06:00AM
ANQ -1	Project site	52.6	42.3

CPCB Limits			
Sr. No		Day Time	Night Time
1.	Industrial area	75	70
2.	Commercial area	65	55
3.	Residential area	55	45
4.	Silence Zone	50	40

*End of Report*

Dr. SNA Rizvi Authorized Signatory

1- Test Report is limited to the invoice raised/item tested

2-Test Report cannot be reproduced in a part or as whole in court without laboratory permission.

3- Samples shall be retained for 4 weeks after test report submitted.



# **ANNEXURE VII**

#### Site Photographs

















# **ANNEXURE VIII**



#### GURUGRAM METROPOLITAN DEVELOPMENT AUTHORITY

Ta.

M/s DLF Limited DLF Shopping Mall, 3rd Floor, Arjun Marg, DLF City, Phase-I, Gurugram – 122002, Haryana

Memo No. 684

Dated: 19-10-2021

Sub:-

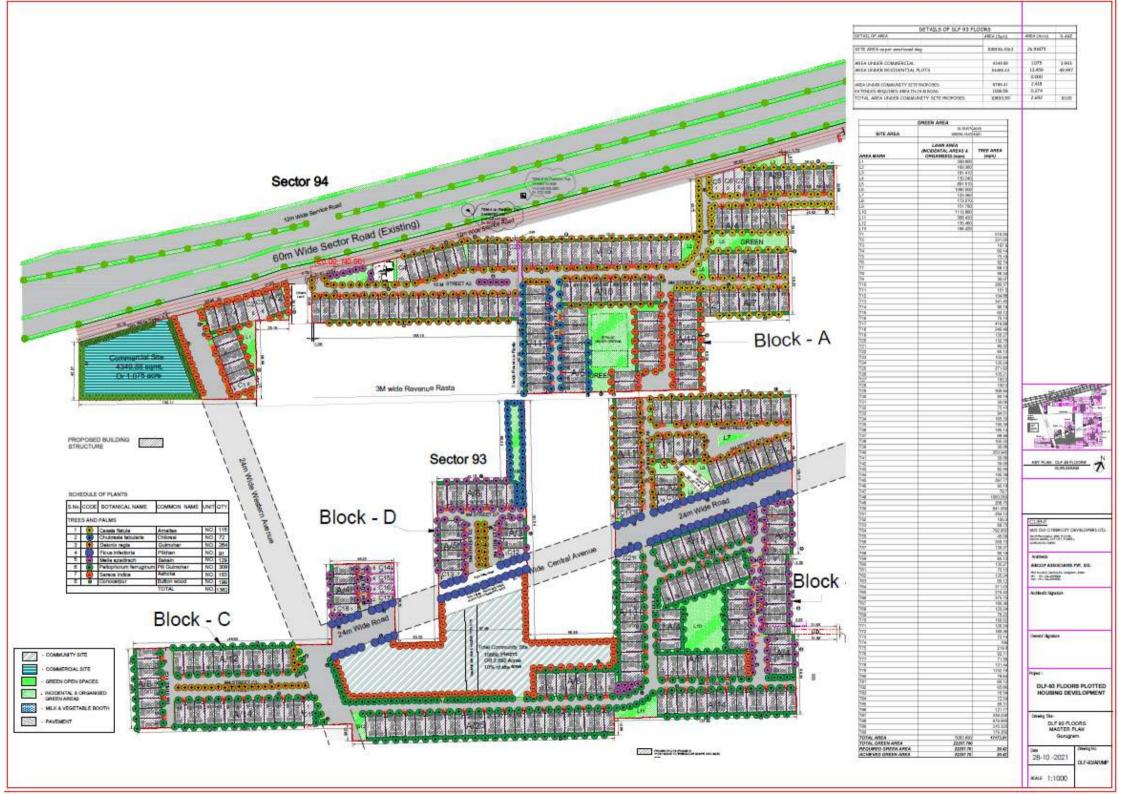
Assurance for fresh water supply of 845 KLD for drinking purpose for Affordable Plotted Residential Colony under DDJAY- 2016, Area measuring 26.91875 acres, Sector-91, Gurugram (LOI issued by DTCP vide No. LC-4223/Asstt.(M5)/2021/23431 dated 20.09.2021.

Ref- Your application dated 08.10.2021

With reference to the cited subject, it is intimated that the portable water is available in the area. The water connection can be taken by your firm from the existing master water supply line of this area. Further after receiving occupation certificate to your said project, new connection can be released after completing the required formalities for its release from GMDA.

Executive Engineer-1 W/S, Division, GMDA. Gurugram

# **ANNEXURE IX**



### **ANNEXURE X**

#### PUBLIC NOTICE

General Public is hereby informed that the State Environment Impact Assessment Authority (SEIAA), Harvana, Bay No. 55-58, Pravatan Bhawan, Sector-2, Panchkula, Harvana, vide its EC Identification No. EC22B039HR127912, dt 28/04/2022 has accorded Environmental Clearance for the Affordable Plotted Housing Colony under Deen Daval Jan Awas Yojana (DDJAY) over land area measuring 26.91875 acers in Sector 93, Village Havatour, Sub tehsil Hasaru, District Gurugram by DLF Limited 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, Harvana (http://www. environment clearance.nic.in). This public notice is issued in compliance to the Miscellaneous Condition no. X (i) of the above mentioned Environment Clearance Letter.

Authorized Signatory For DLF Limited Gateway Tower (2nd Floor), DLF City Phase III, Gurugram- 122002, Haryana

Place: Gurugram Date: 02/05/2022

सार्वजनिक सचना

आम जनता को एतद्द्वारा सूचित किया जाता है कि राज्य पर्यावरण प्रभाव मल्यांकन प्राधिकरण (एसईआईएए), हरियाणा, बे नं. 55–58, पर्यटन भवन, सेक्टर–2, पंचकुला, हरियाणा ने अपनी पर्यावरणीय स्वीकृति पहचान संख्या ईसी22बी039एचआर127912 दिनांक 28 / 04 / 2022 के तहत पर्यावरण (संरक्षा) अधिनियम, 1986 के अधीन ईआईए अधिसूचना, 2006 के प्रावधानों के अनुरूप डीएलएफ लिमिटेड द्वारा सेक्टर 93, ग्राम हयातपुर, उप तहसील हसरू, जिला गुरुग्राम में 26.91875 एकड़ जमीन पर दीन दयाल जन आवास योजना (डीडीजेएवाई) के तहत किफायती प्लॉटेड हाउसिंग कॉलोनी के लिए पर्यावरणीय स्वीकृति प्रदान कर दी है। आम जनता को आगे सूचित किया जाता है कि उपर्युक्त पर्यावरणीय स्वीकृति पत्र पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय / एसईआईएए, हरियाणा की वेबरसाइटः (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 हैं। अधिकत हस्ताक्षरी कृते डीएलएफ लिमिटेड गेटवे टावर (दूसरा तल), डीएलएफ सिटी फेस III, स्थान–गुरूग्राम दिनांकः 02 / 05 / 2022 गुरूग्राम. 122002, हरियाणा

### **ANNEXURE XI**



0

#### **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.

P. Ramakrishnan Chief Technical Officer, DLF LTD



#### पर्यावरण नीति 25 जनवरी 2023

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

हम इसके लिए प्रतिबद्ध हैं:

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

पी. रामकृष्णन चीफ टेक्निकल ऑफिसर, डीएलएफ लिमिटेड