

AR LANDCRAFT LLP

LLPIN: AAF-6499

REGD. OFF: U. M. HOUSE, 3rd Floor, Tower A, Plot No 35, Sector 44, Gurgaon, Haryana 122002

To
The Additional Director
(IA Division), MoEF & CC, GoI
Indira Paryavaran Bhawan, ZorBagh Road
Delhi- 110003.

Date:

Subject: Submission of Six Monthly Compliance Report of Stipulated Conditions of Environmental Clearance for Recreational Entertainment Park at Plot No.REP-1, Sector-27, Greater Noida, (Uttar Pradesh) by M/s. AR Land craft LLP for the period of December 2024

Reference Number:F.No.21-250/2017-IA-III on Dated: 15/05/2018

Sir,

In accordance to the environmental clearance for the above project received from the State Environmental Impact Assessment Authority, vide letter no.F.No.21-250/2017-IA-III on Dated: 15/05/2018; we are submitting herewith six monthly compliance report of stipulated conditions of Environment Clearance (soft copy) for the submission period of **December 2024**.

Thanking You,

**Yours Sincerely,
M/s. AR Landcraft LLP**

AR LANDCRAFT LLP


Authorized Signatory

Authorized Signatory

Name - Rajat Pathak
Designation- Sr. Manager
E-mail - rajat.pathak@godrejproperties.com
Contact No.- 8800010790

Copy to:

1. The Director (S), Ministry of Environment Forests& Climate Change, Regional Government Office, 5th Floor, Kendriya Bhawan, Sector-H, Aliganj Lucknow-226024.
2. The Member Secretary, U.P. Pollution Control Board, Building No.-TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010.
3. Member Secretary, State Environment Impact Assessment Authority (SEIAA), Directorate of Environment, Govt. of UP, Vineet Khand-1, Gomti Nagar, Lucknow-226010.

**SEMI ANNUAL ENVIRONMENTAL COMPLIANCE REPORT OF
STIPULATED CONDITIONS OF ENVIRONMENTAL CLEARANCE
(Period- April 2024 to September 2024)**

FOR

**Recreational Entertainment Park
at Plot No.-REP-1,
Sector-27, Greater Noida, UP**

**For Submission to:
Ministry of Environment and Forests (MOEF)**

Submitted by:

**M/s AR Landcraft LLP
A-66, Sector-63, Noida,
Uttar Pradesh-201307**

TABLE OF CONTENTS

Description		Page No.
Chapter-1	Introduction	1-2
Chapter-2	Adherence To Specific And General Conditions	3-6
Chapter 3	Details of Environmental Monitoring	7-21
List of Annexure		
1.	Lab Reports	

1

INTRODUCTION

1.1 Introduction

M/s AR Landcraft LLP has proposed Recreational Entertainment Park at Plot No. REP-1, Sector 27, Greater Noida, Uttar Pradesh.

This Project has obtained its Environmental Clearance from MoEF & CC, Delhi with certain conditions.

Status of project:

The project is in construction phase and construction has been carried out as per the EC conditions.

1.2 Purpose of the Report

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

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

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

The Environmental assessment has been carried out to verify:

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

1.3 Methodology for Preparation of Report is as follows:

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

1.4 Generic Structure of Report:

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

2

ADHERENCE TO SPECIFIC AND GENERAL CONDITIONS

Part A- SPECIFIC CONDITIONS

I. Construction Phase

S. No.	Conditions of Environmental Clearance	Status of Compliance
1.	All the condition stipulated in the Environmental Clearance letter No.1937/Praya/SEAC/2999/2015/OSD (T) dated: 15.01.2016 shall be complied with.	<i>Agreed and will be complied.</i>
2.	The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.	<i>Necessary clearances like AAI NOC, Fire NOC, CTE, and other applicable approvals required before start of construction have already been obtained. Copy of CTE is attached as Annexure-2</i>
3.	Sewage shall be treated in the STP (MBBR Technology) with tertiary treatment i.e. Ultra Filtration. The treated effluent from STP shall be recycled/re-used for flushing, horticulture & DG cooling. No treated water will be discharged into municipal drain.	<i>The Sewage Treatment Plant (STP) based on MBBR technology will be installed for the treatment of the sewage to the prescribed standards. Treated effluent will be recycled in flushing, horticulture & miscellaneous purposes. Only excess treated water from STP shall be discharged to sewer. Discharge of treated sewage will conform to the norms and standards of CPCB/ UPPCB.</i>
4.	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. As proposed, 77 nos. of rain water harvesting pits shall be provided as per CGWB guidelines.	<i>77 No. of RWH pits are proposed to be developed for recharging the rain water to ground.</i>
5.	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. Wet garbage shall be composted in Organic Waste Converter. 200 sqm space shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from group housing project will be sent to dumping site.	<i>Separate wet and dry bins will be provided in each unit. Solid waste will be segregated and OWC will be installed for composting the wet garbage and the inert waste from project will be sent to dumping site through authorized vendor only.</i>
6.	An assessment of the cumulative impact of all activities being carried out or proposed to be carried out by the project, shall be made for traffic densities and parking capabilities in a 05 kms radius from the site. A detailed traffic management and a traffic decongestion plan drawn up through an organisation of repute and specialising in Transport Planning shall be implemented to the satisfaction of the State Urban Development and Transport Departments shall also include the consent of all the concerned implementing agencies.	<i>The level of service (LOS) will not be affected by incremental load due to the project. Proper Parking spaces & road network shall be developed within the project to avoid any congestion. Project's Parking & Traffic circulation plan has also been submitted during the EC presentation. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site shall be avoided by providing separate & wide Entry & Exit & by adopting single way traffic movement wherever feasible.</i>

Six Monthly Environmental Compliance Report on EC (EC No. – F.No. 21-250/2017-IA-III) Dated 15/05/2018 Conditions for M/s AR Landcraft LLP, Recreational Entertainment Park at Plot No.REP-1, Sector-27, Greater Noida, (Uttar Pradesh)

II. Operational Phase

S. No.	Conditions of Environmental Clearance	Status of Compliance
1.	Fresh water requirement from GNIDA Supply Water Supply shall not exceed 729 KLD.	<i>Agreed and Noted.</i>
2.	A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. Preference should be given to planting native species. Where the trees need to be cut, compensatory plantation in the ratio of 1:3 (i.e. planting of 3 trees for every 1 tree that is cut) shall be done and maintained. As proposed 162908.4 sqm area shall be provided for green belt development.	<i>Agreed and Noted for the compliance.</i>
3.	An environmental management plan (EMP) shall be prepared and implemented to ensure compliance with the environmental conditions specified above. A dedicated Environment Monitoring Cell with defined functions and responsibility shall be put in place to implement the EMP. The environmental cell shall ensure that the environment infrastructure like Sewage Treatment Plant, Landscaping, Rain Water Harvesting, Energy efficiency and conservation, water efficiency and conservation, solid waste management, renewable energy etc. are kept operational and meet the required standards. The environmental cell shall also keep the record of environment monitoring and those related to the environment infrastructure.	<i>Noted and EMP plan has been submitted already at the time of EC was grant. Environment Monitoring Cell will be complied during operational phase.</i>
4.	The company shall draw up and implement a corporate social Responsibility plan as per the Company's Act of 2013.	<i>Noted and complied at the time of EC was grant.</i>

PART B-GENERAL CONDOTIONS

S. No.	Conditions of Environmental Clearance	Status of Compliance
1.	A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.	<i>Agreed and complied.</i>
2.	The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.	<i>Agreed and Noted.</i>
3.	Officials from the Regional Office of MoEF&CC, Lucknow who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the APCCF, Regional Office of MoEF&CC, Lucknow.	<i>Noted, we will provide full Cooperation to the officer (s) of the Regional office by furnishing the requisite data/information/monitoring report.</i>
4.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	<i>Agreed and Noted.</i>
5.	The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary,	<i>Noted and Agreed.</i>

Six Monthly Environmental Compliance Report on EC (EC No. – F.No. 21-250/2017-IA-III) Dated 15/05/2018 Conditions for M/s AR Landcraft LLP, Recreational Entertainment Park at Plot No.REP-1, Sector-27, Greater Noida, (Uttar Pradesh)

S. No.	Conditions of Environmental Clearance	Status of Compliance
	and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	
6.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and the Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.	<i>All other statutory clearances such as the approvals NOC from Fire Department, Civil Aviation Department, and Forest Department will be obtained from concerned department as and when required. Copy of AAI Clearance copy is attached as Annexure-3</i>
7.	These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and the EIA Notification, 2006.	<i>Noted.</i>
8.	The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at http://www.envfor.nic.in . The advertisement shall be made within Seven days from the date of receipt of the Clearance letter and a copy of the same shall be forwarded to the Regional Office of this Ministry at Lucknow.	<i>We have already complied with the requirement. Copy of Advertisement has already been submitted with the initial compliance report</i>
9.	Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	<i>Noted.</i>
10.	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	<i>No suggestions/ representations were received from the Municipal Corporations, Urban Local Body and NGOs, thus, the clearance copy has not been sent to any of these departments.</i>
11.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	<i>Noted. We are uploading the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. Also, we are submitting the compliance reports to the concerned departments regularly.</i>
12.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the	<i>Form-V for each financial year shall be submitted every year & shall simultaneously be uploaded on the website, as per the required conditions during operational phase of the project.</i>

**Six Monthly Environmental Compliance Report on EC (EC No. – F.No. 21-250/2017-IA-III) Dated 15/05/2018 Conditions for
M/s AR Landcraft LLP, Recreational Entertainment Park at Plot No.REP-1, Sector-27, Greater Noida, (Uttar Pradesh)**

S. No.	Conditions of Environmental Clearance	Status of Compliance
	Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of EC conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	

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 Project Site of the project to assess the ambient air quality of project site. This will enable to have a comparative analytical understanding about air quality and the changes in the air environment in the study area with respect to the condition prevailing. The locations of the ambient air quality monitoring stations are given in **Table 3.1**.

Table 3.1 Details of Ambient Air Quality Monitoring Stations

S. No.	Location code	Location Name/ Description
1.	AAQ-1	Project Site

AAQ-1: Project Site

The sampler was placed **Project Site** and was free from any obstructions.

3.1.2 Ambient Air Quality Monitoring Methodology

Monitoring was conducted in respect of the following parameters:

- Particulate Matter 2.5 (PM_{2.5})
- Particulate Matter 10 (PM₁₀)
- Sulphur Dioxide (SO₂)
- Oxides of Nitrogen (NO_x)
- Carbon Monoxide (CO)

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

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

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

Table 3.2 Techniques used for Ambient Air Quality Monitoring

S. No.	Parameter	Technique	Technical Protocol
1	Particulate Matter 2.5	Fine Particulate Sampler, Gravimetric Method	SOP No. VEL/SOP/01, Section No. SP 63
2	Particulate Matter 10	Respirable Dust Sampler, with cyclone separator, Gravimetric Method	IS: 5182 (P-23), 2006
3	Sulphur dioxide	Modified West and Gaeke	IS: 5182 (P-6), Reaffirmed-2006
4	Oxides of Nitrogen	Jacob & Hochheiser	IS: 5182 (P-2), Reaffirmed-2012
5	Carbon Monoxide	Gas Chromatography	IS: 5182 (P-10), Reaffirmed-2003

3.1.3 Ambient Air Quality Monitoring Results

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

Table 3.3 Ambient Air Quality Monitoring Results

S. No.	Parameter	Test Result	NAAQS*
		AAQ1	
1.	Particulate Matter (PM _{2.5}), µg/m ³	46.30	60
2.	Particulate Matter (PM ₁₀), µg/m ³	85.10	100
3.	Nitrogen Dioxide (NO ₂), µg/m ³	28.12	80
4.	Sulphur Dioxide (SO ₂), µg/m ³	20.12	80
5.	Carbon Monoxide (CO), mg/m ³	0.86	4.0

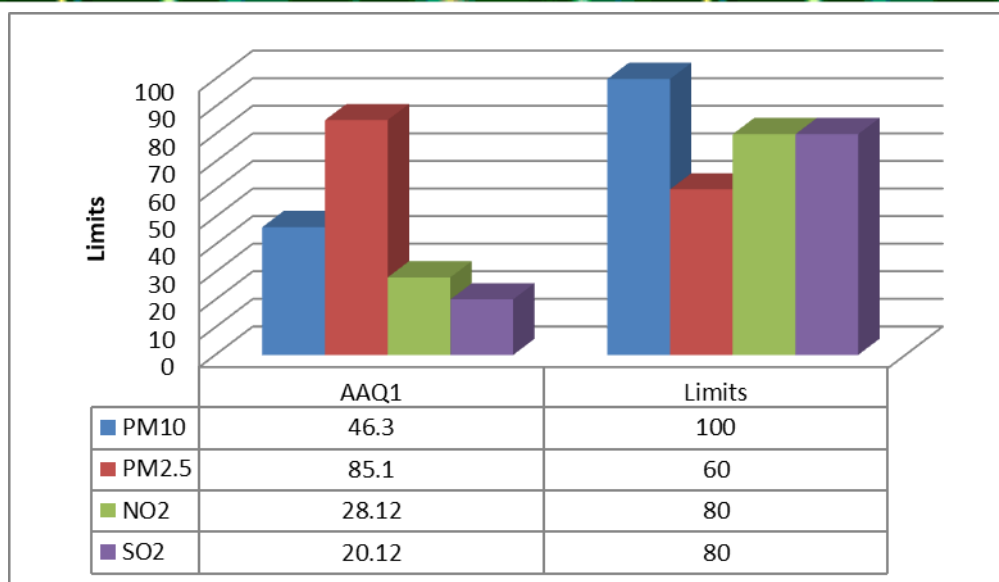


Figure 3.1 Location-wise Variation of Ambient Air Quality

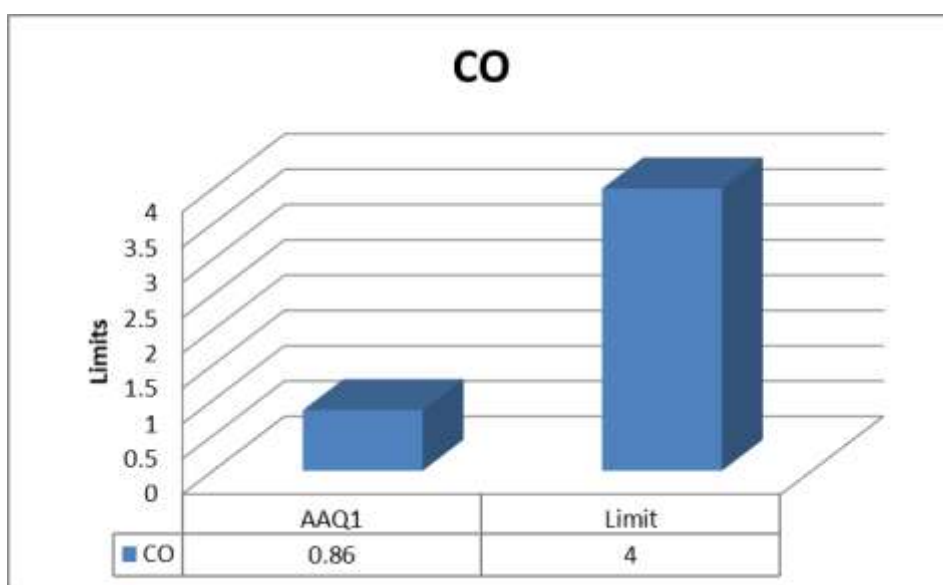


Figure 3.2 Location-wise Variation of CO in Ambient Air Quality

3.1.4 Discussion on Ambient Air Quality in the Study Area

PM10 levels at the project site not exceed the permissible limit of 100 $\mu\text{g}/\text{m}^3$ (for residential, rural and other areas as stipulated in the National Ambient Air Quality Standards). Whereas PM_{2.5}, SO₂, NO_x was observed within the corresponding stipulated limits (Limit for PM_{2.5} is 60 $\mu\text{g}/\text{m}^3$, SO₂ and NO_x: 80 $\mu\text{g}/\text{m}^3$ and limit for CO: 2.0 mg/m^3) at all monitoring locations. Station wise variation of ambient air quality parameters has been pictorially shown in **Figure 3.1. & 3.2**

3.2 AMBIANT NOISE MONITORING

3.2.1 Ambient Noise Monitoring Locations

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

Table 3.4 Details of Ambient Noise Monitoring Stations

S. No.	Location code	Location Name/ Description	Present Land use
1.	N1	Project Site	Residential

3.2.2 Methodology of Noise Monitoring

Noise levels were measured using sound level meter. Noise level monitoring was carried out continuously for 24-hours with one hour interval starting at 06:00 hrs to 06:00 hrs next day. The noise levels were monitored on working days only. During each hour Leq were directly computed by the instrument based on the sound pressure levels. Lmax day, Lmax night and Lmin day, Lmin night 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 location-wise variation of noise levels are graphically presented in **Fig. 3.3**

Table 3.5 Ambient Noise Monitoring Results

PARAMETERS	N1	
	Day Time	Night Time
Leq	50.31	41.30
CPCB Limit Leq in dB(A)	55.00	45.00

3.2.4 Discussion on Ambient Noise Levels in the Study Area

Day Time Noise Levels (L_{day}):

The day time noise level at all the locations was found to within limits prescribed Limits.

Night Time Noise Levels (L_{night}):

The night time noise level at all the locations was found to within limit prescribed Limits.

3.3 WATER QUALITY MONITORING

3.3.1 Water Quality Monitoring Locations

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

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

Table 3.6 Details of Water Quality Monitoring Station

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

3.3.2 Methodology of Water Quality Monitoring

Samples were collected and sampling forms are filled in as per the sampling plan. Sample for chemical analysis was collected in polyethylene carboys. Sample collected for metal content were acidified to <2 pH with 1 ml HNO₃. A sample for bacteriological analysis was collected in sterilized glass bottles.

Soon after the completion of sampling, chain of custody sheets for the samples are filled in and then they were transported by road to Vardan Envirolab, Gurgaon for further analysis. Proper care was taken during packing and transportation of samples. After ensuring the same the samples were forwarded immediately for analysis.

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

3.3.3 Water Quality Monitoring Results

The detailed water quality monitoring results are presented in Table 3.7

Table 3.7 Drinking water Quality Monitoring Results

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source
1.	pH (at 25 °C)	IS3025 (P-11)	7.54	--	6.5 to 8.5	No Relaxation
2.	Colour	IS3025 (P-4)	BLQ(LOQ-1.0)	Hazen	5	15
3.	Turbidity	IS3025 (P-10)	BLQ(LOQ-1.0)	NTU	1	5
4.	Odour	IS3025 (P-5)	Agreeable	--	Agreeable	Agreeable
5.	Taste	IS3025 (P-8)	Agreeable	--	Agreeable	Agreeable
6.	Total Hardness (as CaCO ₃)	IS3025 (P-21)	98.00	mg/l	200	600
7.	Calcium (as Ca)	IS3025 (P-40)	23.10	mg/l	75	200
8.	Alkalinity (as CaCO ₃)	IS3025 (P-23)	64.20	mg/l	200	600
9.	Chloride (as Cl)	IS 3025 (P-32)	41.20	mg/l	250	1000
10.	Cyanide (as CN)	IS 3025 (P-27)	BLQ(LOQ-0.02)	mg/l	0.05	No Relaxation
11.	Magnesium (as Mg)	IS3025 (P-46)	9.78	mg/l	30	100
12.	Total Dissolved Solids	IS3025 (P-16)	164.00	mg/l	500	2000
13.	Sulphate(as SO ₄)	IS3025 (P-24)	BLQ(LOQ-5.0)	mg/l	200	400
14.	Fluoride (as F)	IS 3025 (P-60)	BLQ(LOQ-0.2)	mg/l	1.0	1.5
15.	Nitrate (as NO ₃)	IS3025 (P-34)	BLQ(LOQ-0.2)	mg/l	45	No Relaxation
16.	Iron (as Fe)	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.01)	mg/l	1.0	No relaxation
17.	Aluminum (as Al)	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.002)	mg/l	0.03	0.2
18.	Boron	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.01)	mg/l	0.5	2.4
19.	Total Chromium (as Cr)	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.01)	mg/l	0.05	No Relaxation
20.	Phenolic	IS3025 (P-43)	BLQ(LOQ-0.0005)	mg/l	0.001	0.002

Six Monthly Environmental Compliance Report on EC (EC No. – F.No. 21-250/2017-IA-III) Dated 15/05/2018 Conditions for M/s AR Landcraft LLP, Recreational Entertainment Park at Plot No.REP-1, Sector-27, Greater Noida, (Uttar Pradesh)

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

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

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

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

3.3.4 Discussion on Drinking water Quality in the Study Area

The Drinking water quality in the project area is observed to be alkaline in nature with total alkalinity reaching up to 64.20mg/L against desirable limit of 200 mg/L, however, alkalinity is less than the permissible limit of 600 mg/L. Total dissolved solids in the Drinking water is **164.00** mg/L which is lower than Prescribed limit of 500 mg/L. However, remaining parameters are within the CPCB prescribed limits.

3.4 SOIL MONITORING

3.4.1 Soil Monitoring Locations

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

To assess impacts of ongoing project activities on the soil in the area, the physico-chemical characteristics of soils were examined by obtaining soil samples from selected points and analysis of the same. One sample of soil was collected from the project site for studying soil characteristics, the location of which is listed in **Table 3.8**.

Table 3.8 Details of Soil Quality Monitoring Location

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

3.4.2 Methodology of Soil Monitoring

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

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

3.4.3 Soil Monitoring Results

The physic - chemical characteristics of the soil, as obtained from the analysis of the soil sample, are presented in **Table 3.9**

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

S. No.	Parameter	Test-Method	Result	Unit
1.	pH (at 25 °C)	IS : 2720 (P-26)	7.65	--
2.	Conductivity	IS:14767	0.345	mS/cm
3.	Soil Texture	VEL/EN/STP/64, Issue No.- 01, 01/11/2023	Sandy Loam	--
4.	Color	VEL/EN/STP/67, Issue No.- 01, 01/11/2023	Yellowish Brown	--
5.	Water holding capacity	VEL/EN/STP/86, Issue No.- 01, 01/11/2023	31.00	%
6.	Bulk density	VEL/EN/STP/59, Issue No.- 01, 01/11/2023	1.32	gm/cc
7.	Chloride as Cl	VEL/EN/STP/69, Issue No.- 01, 01/11/2023	124.10	mg/100g
8.	Calcium as Ca	VEL/EN/STP/72, Issue No.- 01, 01/11/2023	136.00	mg/100g
9.	Sodium as Na	VEL/EN/STP/62, Issue No.- 01, 01/11/2023	120.10	mg/kg
10.	Potassium as K	VEL/EN/STP/61, Issue No.- 01, 01/11/2023	86.00	kg/hect.
11.	Organic Matter	IS 2720 (P-22), Titrimetric Method	0.40	%
12.	Magnesium as Mg	VEL/EN/STP/72, Issue No.- 01, 01/11/2023	32.30	mg/100g
13.	Available Nitrogen as N	IS:14684 Distillation Method	264.31	kg./hect.
14.	Available Phosphorus	VEL/EN/STP/73, Issue No.- 01, 01/11/2023	85.10	kg./hect.
15.	Zinc (as Zn)	VEL/HW/STP/03, Issue No.- 01, 01/11/2023	10.32	mg/kg
16.	Manganese (as Mn)	VEL/HW/STP/03, Issue No.- 01, 01/11/2023	9.10	mg/kg
17.	Lead (as Pb)	VEL/HW/STP/03, Issue No.- 01, 01/11/2023	4.20	mg/kg
18.	Cadmium as Cd	VEL/HW/STP/03, Issue No.- 01, 01/11/2023	BDL(DL- 0.5)	mg/kg
19.	Chromium (as Cr)	VEL/HW/STP/03, Issue No.- 01, 01/11/2023	6.31	mg/kg
20.	Copper (as Cu)	VEL/HW/STP/03, Issue No.- 01, 01/11/2023	3.45	mg/kg

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

3.4.4 Discussion on Soil Characteristics in the Study Area

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

3.5 Stack Emission Monitoring

Table 3.10 Details of Stack Monitoring Stations

S. No.	Location Code	Capacity
1.	DG1	180 KVA

Table 3.11 Stack Monitoring Results

Location- DG1

S. No.	Parameter	Protocol	Result	Unit	Limits (As Per CPCB)
1.	Particulate Matter (as PM)	IS 11255 (P-1):2019	0.018	gm/kw-hr	0.02
2.	Oxide of Nitrogen (as NO _x)	VEL/EN/STP/146,Issue No.-01, Issue Date-01/11/2023	0.264	gm/kw-hr	0.40
3.	Total Hydrocarbon (as HC)	VEL/EN/STP/137,Issue No.-01, Issue Date-01/11/2023	0.065	gm/kw-hr	0.19
4.	Sulphur Dioxide(as SO ₂)	IS 11255 (P-2)	0.078	gm/kw-hr	Not Specified
5.	Carbon Monoxide (as CO)	VEL/EN/STP/146,Issue No.-01, Issue Date-01/11/2023	0.450	gm/kw-hr	3.5

Table 3.13 Details of Point Source Monitoring Stations

S. No.	Location Code	Capacity
1.	DG1	180 KVA

Table 3.14 DG Noise Monitoring Results

S. No.	Parameters	Protocol	Result dB(A)		
			Open the Canopy of DG Set Result dB(A)	Close the Canopy of DG Set (0.5 Meter Distance) Result dB(A)	Insertion Loss
1.	L _{eq}	IS-4758	98.2	72.3	25.9
2.	CPCB Limits in dB (*A)	-	--	75.00	25.00

Note- * A “decibel” is a unit in which noise is measured









Test Report

Page No. 1/1

Sample Number : VEL/AP/01
Name & Address of the Party : M/S A. R. Landcraft LLP.
Plot No.REP -1, Sector -27, Greater Noida, (U.P).

Report No. : VEL/AP/2409070036
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 13/09/2024
Period of Analysis : 07/09/2024-13/09/2024
Receipt Date : 07/09/2024

Name of Sample : AMBIENT AIR
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Project Site
Sample Collected By : VEL Representative (Mr. Mukesh)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/08 & FPS/06
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 05/09/2024 To 06/09/2024
Time of Monitoring : 11:00 AM to 11:00 AM
Ambient Temperature (°C) : Min.25°C, Max.32°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS : 5182
Sampling Duration : 24.0 Hours.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	Limit as per NAAQS
Discipline : Chemical					
1	Particulate Matter (as PM -10)	IS:5182 (P-23) : 2006 RA :2017	85.10	µg/m ³	100
2	Particulate Matter (as PM - 2.5)	IS:5182 (P- 24) :2019	46.30	µg/m ³	60
3	Nitrogen Dioxides (as NO2)	IS 5182 (P- 6) :2006 RA:2022	28.12	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : RA:2023	20.12	µg/m ³	80
5	#Carbon Monoxide (as CO)	IS 5182 (P-10), NDIR Method	0.86	mg/m ³	4.0

Note - # indicates 1 hour monitoring of CO.

End of Report

Reviewed By


13/09/2024

Authorized Signatory


Pradeep Singh

Terms & Conditions

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

www.vardan.co.in



Test Report

Page No. 1/1

Sample Number : VEL/AP/02
Name & Address of the Party : M/S A. R. Landcraft LLP.
Plot No.REP -1, Sector -27, Greater Noida, (U.P).

Report No. : VEL/AP/2409070037
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 13/09/2024
Period of Analysis : 07/09/2024-13/09/2024
Receipt Date : 07/09/2024

Name of Sample : AMBIENT NOISE
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Project Site
Sample Collected By : VEL Representative (Mr. Mukesh)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/05
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 05/09/2024 To 06/09/2024
Time of Monitoring : 10:30 AM to 10:30 AM
Ambient Temperature (°C) : Min.25°C, Max.32°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : CPCB
Sampling Duration : 24.0 Hours.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
Discipline : Chemical					
1	Leq	IS:9989 RA:2020	50.31	41.30	dB (A)

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

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

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

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

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

End of Report

Reviewed By

Kumar
13/09/2024

Authorized Signatory
Pooja Singh

Terms & Conditions

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

www.vardan.co.in



Test Report

Page No. 1/1

Sample Number : VEL/AP/03

Name & Address of the Party : M/S A. R. Landcraft LLP.

Plot No.REP -1, Sector -27, Greater Noida, (U.P).

Report No. : VEL/AP/2409070038

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 13/09/2024

Period of Analysis : 07/09/2024-13/09/2024

Receipt Date : 07/09/2024

Name of Sample : Stack Emission Monitoring

Sample Group : Atmospheric Pollution

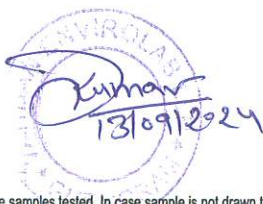
General Information

Sampling Location : DG Set Area
Sample Collected By : VEL Representative (Mr. Mukesh)
Date of Sampling : 05/09/2024
Sampling duration (Minutes) : 34.0
Stack attached to : DG Set (180 KVA)
Make of stack : MS
Type of Fuel Used : HSD
Diameter of stack(m) : 0.07 Mtr.
Height of stack(m) : 2.43 Mtr.
Instrument calibration status : Calibrated
Meteorological Condition : Clear Sky
Ambient Temperature - Ta (°C) : 32.0
Temperature of Stack Gases - Ts (°C) : 171.0
Velocity of Stack Gases (m/sec.) : 9.28
Flow rate of PM (LPM) : 27.0
Flow rate of Gas (LPM) : 2.0
Sampling condition : Isokinetic
Protocol used : IS 11255 & EPA

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
Discipline : Chemical					
1	Particulate Matter (as PM)	IS 11255 (P-1) :2019	0.018	g/kw-hr	0.02
2	Oxide of Nitrogen (as NOx)	VEL/EN/STP/146,Issue No.-01, Issue date 01/11/2023	0.264	g/kw-hr	0.40
3	Total Hydrocarbon (as HC)	VEL/EN/STP/137,Issue No.-01, Issue date 01/11/2023	0.065	g/kw-hr	0.19
4	Sulphur Dioxide (as SO2)	IS 11255 (P-2)	0.078	g/kw-hr	Not Specified
5	Carbon Monoxide (as CO)	VEL/EN/STP/146,Issue No.-01, Issue date 01/11/2023	0.450	g/kw-hr	3.5

End of Report

Reviewed By


13/09/2024

Terms & Conditions

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


Authorized Signatory
Anoop Singh

www.vardan.co.in



Test Report

Page No. 1/1

Sample Number : VEL/AP/04
Name & Address of the Party : M/S A. R. Landcraft LLP.
Plot No.REP -1, Sector -27, Greater Noida, (U.P).

Report No. : VEL/AP/2409070039
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 13/09/2024
Period of Analysis : 09/09/2024-13/09/2024
Receipt Date : 07/09/2024

Name of Sample : DG Noise
Sample Group : Atmospheric Pollution

General Information
Sampling Location : DG Set (180 KVA)
Sample Collected By : VEL Representative (Mr. Mukesh)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/06
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 05/09/2024
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS 4758
Sampling duration (Minutes) : 30.0
Parameter Required : As per work order

S.No.	Parameters	Test Method	Open the canopy of DG Set Results dB(A)	Close the canopy of DG Set (1.0 mtr. Distance) Result dB(A)	Insertion Loss
Discipline : Chemical					
1	Leq	IS: 4758	98.2	72.3	25.9
2	CPCB Limit in Leq dB (A)	--	--	75.0 (Max.)	25.0 (Min.)

End of Report

Reviewed By


13/09/2024

Authorized Signatory


Pradeep Singh

Terms & Conditions

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

www.vardan.co.in



Test Report

Page No. 1/2

Sample Number : VEL/PE/01

Name & Address of the Party : M/S A. R. Landcraft LLP.

Plot No.REP -1, Sector -27, Greater Noida, (U.P).

Report No. : VEL/PE/2409070008

Format No : 7.8 F-03

Party Reference No : NIL

Reporting Date : 13/09/2024

Period of Analysis : 07/09/2024-13/09/2024

Receipt Date : 07/09/2024

Sampling Date : 05/09/2024

Sampling Quantity : 2.0 Kg

Sampling Type : Composite

Packing Status : Temp. Sealed

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

S.No.	Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH (at 25°C)	IS : 2720 (P-26)	7.65	--
2	Electrical Conductivity	IS :14767	0.345	mS/cm
3	Colour	VEL/EN/STP/67, Issue No.- 01, Issue date 01/11/2023	Yellowish Brown	--
4	Water holding capacity	VEL/EN/STP/86, Issue No.- 01, Issue date 01/11/2023	31.00	%
5	Bulk density	VEL/EN/STP/59, Issue No.- 01, Issue date 01/11/2023	1.32	gm/cc
6	Chloride (as Cl)	VEL/EN/STP/69, Issue No.- 01, Issue date 01/11/2023	124.10	mg/kg
7	Calcium (as Ca)	VEL/EN/STP/72, Issue No.- 01, Issue date 01/11/2023	136.00	mg/kg
8	Sodium (as Na)	VEL/EN/STP/62, Issue No.- 01, Issue date 01/11/2023	120.10	mg/kg
9	Potassium (as K)	VEL/EN/STP/61, Issue No.- 01, Issue date 01/11/2023	86.00	mg/kg
10	Organic Matter	IS 2720 (P-22)	0.40	%
11	Magnesium (as Mg)	VEL/EN/STP/72, Issue No.- 01, Issue date 01/11/2023	32.30	mg/kg
12	Available Nitrogen (as N)	IS:14684	264.31	kg. /hec.

Reviewed By

[Signature]
13/09/2024

Authorized Signatory

[Signature]
Saurav
Pitrap Singh

Terms & Conditions

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

www.vardan.co.in



Test Report

Page No. 2/2

Sample Number : VEL/PE/01

Report No. : VEL/PE/2409070008

S.No.	Parameters	Test Method	Results	Units
13	Available Phosphours	VEL/EN/STP/73, Issue No.- 01, Issue date 01/11/2023	85.10	kg. /hec.
14	Total Zinc (as Zn)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	10.32	mg/kg
15	Total Manganese (as Mn)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	9.10	mg/kg
16	Total Chromium (as Cr)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	6.31	mg/kg
17	Total Lead (as Pb)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	4.20	mg/kg
18	Total Cadmium (as Cd)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-5.0)	mg/kg
19	Total Copper (as Cu)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	3.45	mg/kg
20	Soil Texture	VEL/EN/STP/64, Issue No.- 01, Issue date 01/11/2023	Sandy Loam	--

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

End of Report

Reviewed By


13/09/2024

Authorized Signatory


Gaurav
Pratap Singh

Terms & Conditions

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

www.vardan.co.in



Test Report

Page No. 1/4

Sample Number : VEL/W/01

Name & Address of the Party : M/S A. R. Landcraft LLP.

Plot No.REP -1, Sector -27, Greater Noida, (U.P).

Report No. : VEL/W/2409070007

Format No : 7.8 F 03

Party Reference No : By Mail

Reporting Date : 13/09/2024

Period of Analysis : 07/09/2024-13/09/2024

Receipt Date : 07/09/2024

Sampling Date : 05/09/2024

Sampling Quantity : 5.0 Ltrs.+250 ml

Sampling Type : Grab

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

S.No.	Test Parameters	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limits	Permissible Limits
Discipline : Chemical						
1	pH (at 25°C)	IS:3025 (Part 11):2022 (Using by Electrode)	7.54	--	6.5 to 8.5	No Relaxation
2	Colour,max	IS:3025 (Part-4) :2021 (Visual Comparison Method)	BLQ(LOQ-1.0)	Hazen	5	15
3	Turbidity,max	IS:3025:P-10: 2023 (Nephelometric	<1.0	NTU	1	5
4	Odour	IS:3025 Part-5: 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS 3025 (Part 8): 2023	Agreeable	--	Agreeable	Agreeable
6	Total Dissolved Solids (at 180°C ± 1°C),max	IS:3025:P-16: 2023 (Gravimetric Method)	164.00	mg/L	500	2000
7	Calcium (as Ca),max	IS:3025:Part-40: 1991 (EDTA Titrimetric Method)	23.10	mg/L	75	200
8	Alkalinity (as CaCO3)	IS:3025:Part 23:2023 (Indicator Method)	64.20	mg/L	200	600
9	Chloride (as Cl),max	IS:3025:Part-32:1988 (Argentometric Method)	41.20	mg/L	250	1000
10	Magnesium (as Mg),max	IS:3025:P-46:2023 (Volumetric method using EDTA)	9.78	mg/L	30	100
11	Total Hardness (as CaCo3),max	IS:3025:P-21:2009 (EDTA Method)	98.00	mg/L	200	600
12	Sulphate (as SO4),max	IS:3025: (Part 24/Sec-1):2022(Turbidity Method)	BLQ(LOQ-5.0)	mg/L	200	400

Reviewed By

Authorized Signatory

Terms & Conditions

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

www.vardan.co.in



Test Report

Page No. 2/4

Sample Number : VEL/W/01

Report No. : VEL/W/2409070007

S.No.	Test Parameters	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limits	Permissible Limits
13	Fluoride (as F),max	APHA 4500 F-D: 24th Edition : 2023 (SPADNS Method)	BLQ(LOQ-0.2)	mg/L	1.0	1.5
14	Nitrate (as NO ₃),max	IS :3025 P-34/Sec1)2023: (Screening Method)	BLQ(LOQ-1.0)	mg/L	45.0	No Relaxation
15	Iron (as Fe),max	VEL/W/STP/03, Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.0 1)	mg/L	1.0	No Relaxation
16	Aluminium (as Al),max	VEL/W/STP/03, Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.0 05)	mg/L	0.03	0.2
17	Boron (as B),max	VEL/W/STP/03, Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.0 1)	mg/L	0.5	2.4
18	Total Chromium (as Cr),max	VEL/W/STP/03, Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.0 02)	mg/L	0.05	No Relaxation
19	Phenolic Compounds (C ₆ H ₅ OH),max	Clause-6 of IS:3025 (P-43/Sec-1):2022, (With Chloroform Extraction Method)	BLQ(LOQ-0.0 01)	mg/L	0.001	0.002
20	Mineral Oil,max	IS 3025 (Part 39),Infrared Spectroscopic Method	BLQ(LOQ-0.5)	mg/L	1.0	No Relaxation
21	Anionic Detergents (as MBAS),max	IS:3025:P-68:2019 (Methylene Blue Method)	BLQ(LOQ-0.0 5)	mg/L	0.2	1.0
22	Zinc (as Zn),max	VEL/W/STP/03, Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.0 1)	mg/L	5.0	15.0
23	Copper (as Cu),max	VEL/W/STP/03, Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.0 02)	mg/L	0.05	1.5
24	Manganese (as Mn),max	VEL/W/STP/03, Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.0 1)	mg/L	0.1	0.3
25	Selenium (as Se),max	VEL/W/STP/03, Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.0 01)	mg/L	0.01	No Relaxation
26	Cadmium (as Cd),max	VEL/W/STP/03, Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.0 02)	mg/L	0.003	No Relaxation
27	Lead (as Pb),max	VEL/W/STP/03, Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.0 02)	mg/L	0.01	No Relaxation
28	Cyanide (as CN),max	IS 3025 (P-27/Sec1) :2021(Pyridine Barbituric Acid Method)	BLQ(LOQ-0.0 2)	mg/L	0.05	No Relaxation

Reviewed By

[Signature]
13/09/2024

Authorized Signatory

[Signature]
Gaurav Pratap Singh

Terms & Conditions

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

www.vardan.co.in



Test Report

Page No. 3/4

Sample Number : VEL/W/01

Report No. : VEL/W/2409070007

S.No.	Test Parameters	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limits	Permissible Limits
29	Arsenic (as As),max	VEL/W/STP/03, Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.01	No Relaxation
30	Mercury (as Hg),max	VEL/W/STP/03, Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.001	No Relaxation

Reviewed By

[Signature]
13/09/2024

Authorized Signatory

[Signature]
Gaurav Prasad Singh

Terms & Conditions

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

www.vardan.co.in



Test Report

Page No. 4/4

Sample Number : VEL/W/01

Report No. : VEL/W/2409070007

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

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

End of Report



Terms & Conditions

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

www.vardan.co.in



उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड
टी सी 12 वी, विभूति खण्ड,
गोमती नगर लखनऊ

संदर्भ संख्या: F99538 सी-1 / एनओसी-1212 / 2016

पंजीकृत
दिनांक: 7/1/17

सेवा में,

मै0 ए0आर0लैण्डकाफ्ट एल0एल0पी,
ग्रुप हाउसिंग परियोजना-“इस्टेट वन”
प्लॉट नं0-आर0ई0पी0-01, सेक्टर-27,
ग्रेटर नोएडा।

विषय: पर्यावरणीय प्रदूषण की दृष्टि से ग्रुप हाउसिंग परियोजना की स्थापना हेतु अनापत्ति प्रमाण पत्र निर्गमन।

महोदय,

कृपया उपरोक्त विषयक अपने आवेदन पत्र के सम्बन्ध में प्रेषित पत्र, का संदर्भ लें। आपके आवेदन पर विचार किया गया है तथा कृपया अवगत हो कि परियोजना को पर्यावरणीय प्रदूषण के दृष्टिकोण से निम्नलिखित विशिष्ट शर्तों एवं सामान्य शर्तों के समुचित अनुपालन के साथ जल (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1974 एवं वायु (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1981 के अंतर्गत स्थापनार्थ सहमति (एनओसी) स्वीकृत की जाती है।

1. अनापत्ति प्रमाण पत्र निम्नलिखित विशिष्ट विवरणों के लिये ही निर्गत किया जा रहा है:-

(क) स्थल:- मै0 ए0आर0लैण्डकाफ्ट एल0एल0पी, ग्रुप हाउसिंग प्रोजेक्ट-“ इस्टेट वन”, प्लॉट नं0-आर0ई0पी0-01, सेक्टर-27, ग्रेटर नोएडा, गौतमबुद्ध नगर।

(ख) उत्पादन:-प्रस्तावित 403575.00 वर्गमीटर भूमि क्षेत्रफल पर बिल्टअप एरिया 684001.44 वर्गमीटर का निर्माण कार्य।

ग) मुख्य कच्चे माल:- बिल्डिंग मैटेरियल।

(घ) घरेलू उत्प्रवाह की मात्रा:- 809 कि०ली०/दिन

(ङ) प्रयुक्त ईंधन:- 810 केवीए क्षमता का 04, 750 केवीए क्षमता का 08 एवं 500 केवीए के 4 डी०जी० सेट हेतु डीजल।

उपर्युक्त विषय वस्तु में किसी भी प्रकार से परिवर्तन करने पर पुनः अनापत्ति प्रमाण पत्र प्राप्त करना आवश्यक होगा।

2. परियोजना/उद्योग में सभी आवश्यक यंत्र, संयंत्र, हरित पट्टिका, उत्प्रवाह शुद्धिकरण संयंत्र तथा वायु प्रदूषण नियंत्रण व्यवस्था में की गयी प्रगति रिपोर्ट इस कार्यालय में प्रत्येक माह की दसवीं तारीख तक निरंतर प्रेषित करें।

3. परियोजना/उद्योग इकाई में परीक्षण उत्पादन/संचालन तब तक प्रारम्भ नहीं करें जब तक कि वह बोर्ड से जल एवं वायु अधिनियमों के अन्तर्गत सहमति प्राप्त न कर लें। जल एवं वायु सहमति प्राप्त करने हेतु इकाई में उत्पादन/संचालन प्रारम्भ करने की तिथि से कम से कम 2 माह पहले निर्धारित सहमति आवेदन पत्रों को उत्पादन/संचालन पूर्व प्रथम आवेदन का उल्लेख करते हुये इस कार्यालय में अवश्य ही जमा कर दिया जाये। यदि परियोजना/उद्योग उपरोक्त का अनुपालन नहीं करता है तो उक्त अधिनियमों के वैधानिक प्राविधानों के अन्तर्गत परियोजना/उद्योग के विरुद्ध बिना किसी पूर्व सूचना के विधिक कार्यवाही की जा सकती है।

4. परियोजना/उद्योग में परीक्षण उत्पादन/संचालन के पूर्व हमारे क्षेत्रीय कार्यालय द्वारा इकाई का निरीक्षण सुनियोजित किया जाये।

5. संस्था द्वारा प्रस्तावानुसार 809 किली०/दिन जनित घरेलू उत्प्रवाह के शोधन हेतु 1250 किली०/दिन क्षमता का फ़ैब तकनीक पर आधारित एस०टी०पी० स्थापित किया जाये। एस०टी०पी० से शोधित सीवेज उत्प्रवाह की गुणता सी०पी०सी०बी० द्वारा निर्धारित अद्यतन मानको के अनुरूप किया जाये। शुद्धिकृत सीवेज को फलशिंग, कूलिंग, हरित पट्टिका की सिंचाई तथा अन्य प्रयोजनों में अधिकाधिक रिसाइकिल किया जायेगा। यदि अवशेष सीवेज को अथॉरिटी के सीवर लाइन में निस्तारित किया जाता है तो अथॉरिटी से पूर्व अनुमति प्राप्त कर बोर्ड को प्रेषित किया जाये।
6. परियोजना के निर्माण में पर्यावरणीय क्लीयरेंस दिनांक 15.01.2016 की शर्तों का अनुपालन किया जाना सुनिश्चित किया जाये।
7. परियोजना निर्माण के दौरान डस्ट नियंत्रण हेतु वाटर स्प्रेकलर की व्यवस्था की जाये एवं पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय द्वारा जारी गाइड लाइन मेमोरण्डम 2010 का पालन किया जाना अनिवार्य है।
8. निर्माण गतिविधियों में लगे अस्थायी श्रमिकों के भोजन निर्माण हेतु एल०पी०जी० की व्यवस्था की जाये तथा उनके सीवेज के निस्तारण हेतु सेप्टिक टैंक/सोकपिट की व्यवस्था की जाये।
9. संस्था द्वारा सीवेज शुद्धिकरण व्यवस्थाओं हेतु अलग से डी०जी० सेट स्थापित किया जायेगा तथा उक्त हेतु अलग से विद्युत मीटर स्थापित किया जाये।
10. सालिड वेस्ट मैनेजमेंट एम०एस०डब्ल्यू० रूल्स, 2016 के प्राविधानों के अनुसार किया जाये।
11. नगरीय ठोस अपशिष्ट को एकत्रित करके सेग्रीगेट किया जायेगा जिससे प्राप्त बायोडिग्रेडेबिल वेस्ट को कम्पोस्ट अथवा आर्गेनिक वेस्ट कनवर्टर के माध्यम से बायो कम्पोस्ट तैयार किया जाये।
12. प्रस्तावित परियोजना में 810 केवीए क्षमता का 04, 750 केवीए क्षमता का 08 एवं 500 केवीए के 4 डी०जी०सेट स्थापित किया जाना प्रस्तावित है जिस पर वायु प्रदूषण नियंत्रण हेतु एकास्टिक इनक्लोजर एवं बोर्ड मानको के अनुरूप चिमनी स्थापित किया जाये।
13. परियोजना द्वारा मा० राष्ट्रीय हरित अधिकरण द्वारा समय-समय पर दिए गए निर्देशों का अक्षरशः अनुपालन किया जाये।
14. अथॉरिटी द्वारा अनुमोदित/स्वीकृत नक्शा की छाया प्रति एक माह के अन्दर प्रेषित किया जाये एवं परियोजना का निर्माण स्वीकृति नक्शे के अनुसार ही किया जाये
15. भू-स्वामित्व सम्बन्धी वाद विवाद होने तथा सरकारी भूमि पाये जाने की स्थिति में परियोजना स्वयं उत्तरदायी होगी तथा यह अनापत्ति प्रमाण पत्र निरस्त कर दी जायेगी।
16. परियोजना द्वारा प्रस्तावानुसार रेन वाटर हार्वेस्टिंग व्यवस्था स्थापित किया जाये।
17. परियोजना स्थल पर ग्रेटर नोयडा अथॉरिटी के नियमानुसार हरित पट्टिका विकसित की जाये।
18. भूमिगत जल के दोहन हेतु केन्द्रीय भूजल प्राधिकरण से अनापत्ति प्रमाण पत्र प्राप्त किया जायेगा।
19. Unit will put tarpaulin on scaffolding around the area of construction and the building for effective and efficient control of dust emission generated during construction of the project.
20. Storage of any construction material particularly sand will not be done on any part of street and roads in the projects area. The construction material of any kind stored on site will be fully covered in all respect so that it does not disperse in the air in any form.
21. All the construction material & debris will be carried in trucks or vehicles which are fully covered and protected so as to ensure that the construction debris or construction material does not get dispersed in to the air or atmosphere in any form whatsoever.
22. The dust emission from the construction sites will be completely controlled and all precautions will be taken in that behalf.
23. The vehicles carrying construction debris or construction material of any kind will be cleaned before it is permitted to ply on the road after unloading of such material

मै0 ए0आर0लैण्डकाफ्ट एल0एल0पी, हाउसिंग गुप हाउसिंग प्रोजेक्ट-“ इस्टेट वन”, प्लॉट नं0- प्लॉट नं0-आर0ई0पी0-01, सेक्टर-27, ग्रेटर नोएडा, गौतमबुद्ध नगर।

24. Every worker working on the construction site and involved in loading, unloading and carriage of construction debris or construction material shall be provided with mask to prevent inhalation of dust particle.
25. All medical help, investigation and treatment will be provided to the workers involved in the construction of building and carrying of construction of building and carrying of construction debris or construction material related to dust emission.
26. The transportation of construction material and debris waste to construction site, dumping site or any other place will be carried out in accordance with rules.
27. Fixing of sprinklers and creation of green air barriers will be done to control fugitive dust emission and improve environment.
28. Compulsory use of wet jet in grinding and stone cutting will be practiced.
29. Wind breaking walls will be constructed around the construction site.
30. Green belt will be developed around the buildings as per Rules.
31. All approach roads & incampus roads should be sprinkled with water to suppress the dust emission.
32. अनापत्ति प्रमाण पत्र में वर्णित शर्तों एवं बोर्ड में जमा बैंक गारण्टी सं0 0003GT02170200033 दिनांक 20.1.2017 रु0 10.0 लाख मात्र में वर्णित समस्त शर्तों का अक्षरशः अनुपालन करना सुनिश्चित करें। अनुपालन न करने की दशा में संस्था द्वारा प्रेषित बैंक गारण्टी बोर्ड के पक्ष में अवमुक्त की जा सकती है, जिसकी पूर्ण जिम्मेदारी स्वयं संस्था के जिम्मेदार पदाधिकारियों की होगी।

कृपया ध्यान दें कि उपर्युक्त लिखित विशिष्ट शर्तों एवं सामान्य शर्तों का प्रभावी एवं संतोषजनक अनुपालन न करने पर बोर्ड द्वारा निर्गत अनापत्ति प्रमाण पत्र निरस्त कर दिया जायेगा। बोर्ड का अधिकार सुरक्षित है कि अनापत्ति प्रमाण पत्र की शर्तों में संशोधन किया जाये अथवा निरस्त कर दिया जाये। उपर्युक्त विशिष्ट एवं सामान्य शर्तों के सम्बन्ध में उद्योग/परियोजना द्वारा इस कार्यालय में दिनांक 30.04.2017 तक प्रथम अनुपालन आख्या अवश्य प्रेषित की जाये। अनुपालन आख्या नियमित प्रेषित की जाये अन्यथा अनापत्ति निरस्त कर दी जायेगी।

भवदीय

(एस0सी0यादव)
सदस्य सचिव

पृष्ठांकन सं0.

एन0ओ0सी0 तद दिनांक

प्रतिलिपि : क्षेत्रीय अधिकारी(प्रभारी), उ0प्र0 प्रदूषण नियंत्रण बोर्ड, ग्रेटर नोएडा को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

मुख्य पर्यावरण अधिकारी (वृत्त-1)

①

भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

No. AAI/RHQ/NR/ATM/NOC/2015/120-12351-54

Date: 20/4/2015

M/s A R Landcraft Pvt Ltd

A-66, Sector-63,
Noida, U.P.-201301**NO Objection Certificate for Height Clearance**

This NOC is issued by Airports Authority of India (AAI) in pursuance of responsibility conferred by and as per the provisions of Govt. of India (Ministry of Civil Aviation) order SO84 (E) dated 14th Jan. 2010 for Safe and Regular Aircraft Operations.

1. References:

NOCID: SAFD/NORTH/B/032815/107175

Applicant
Letter Dated 30.03.2015

AAI Reference

2. NOC Details for Height Clearance:

Applicant Name M/s A R Landcraft Pvt Ltd

Type of Structure Building

Site Address Plot-No.-REP-01, Sec-27, Greater Noida, G B Nagar

Site Coordinates
28 28 38N -77 32 13E
28 28 25N -77 32 22E
28 28 7N -77 32 6E
28 28 26N -77 31 53E

Site Elevation
AMSL in Mtrs 200.0 Mtrs Two Hundred onlyPermissible
height above
Ground Level in
Mtrs 146.20 Mtrs One Hundred forty Six Decimal Two Zero onlyPermissible Top
Elevation AMSL
In Mtrs 346.20 Mtrs Three Hundred Forty Six Decimal Two Zero only**3. This NOC is subject to the terms and conditions as given below:**

- The site elevation and site coordinates provided by the applicant are taken for calculation of the permissible top elevation for the proposed structure. If, however, at any stage it is established that the actual data is different from the one, provided by the applicant, this NOC will be invalid.
- The issue of the 'NOC' is further subject to the provisions of Section 9-A of the Indian Aircraft Act, 1934 and those of any notifications issued there under from time to time including the Aircraft (Demolition of Obstruction caused by buildings and trees etc.) Rules, 1994.
- No radio/TV Antenna, lighting arresters, staircase, Muntree, Overhead water tank and attachments of fixtures of any kind shall project above the Permissible Top Elevation 346.20 Mtrs, indicated in para 2.
- The use of oil fired or electric fired furnace is mandatory, within 8 KM of the Aerodrome Reference Point.
- The certificate is valid for a period of 5 years from the date of its issue. If the building/structure/Chimney is not constructed & completed within the period, the applicant will be required to obtain a fresh 'NOC' from the Designated Officer of Airports Authority of India. The date of completion of Building/Structure/Chimney should be intimated to this office of AAI. Request for revalidation of NOC

will not be entertained after the expiry of its validity period.

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

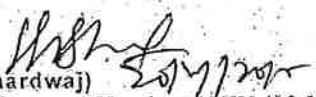
g. The applicant will not complain/claim compensation against aircraft noise, vibrations, damages etc. caused by aircraft operations at or in the vicinity of the airport.

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

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

j. This NOC has been issued w.r.t. the Civil Airports as notified in SO 84(E). Applicant needs to seek separate NOC from Defence, if the site lies within jurisdiction of Defence Airport.

This certificate is issued for "HEIGHT CLEARANCE ONLY" with the approval of Competent Authority for Permissible Top Elevation 346.20 Mtrs.


(S.S. Bhardwaj)
Asstt. General Manager (ATM-NOC)
for General Manager (ATM), NR
Airports Authority Of India

Copy to :

1. The Executive Director (ATM), AAI, Rajiv Gandhi Bhavan, Safdarjung Airport, New Delhi-110003

2. GM (NOC)/Airport Director (Bundle).

3. Guard File

4. The Chief Architect Town Planner, 169, Chitvan Estate, Sector-Gamma-II, Greater Noida-201306 (UP)

5. The Chief Executive Officer, DIAL, New Uddan Bhawan, International Terminal-3, IGI Airport, New Delhi-110037

FOR INFORMATION: AIRPORTS AUTHORITY OF INDIA

F. No.21-250/2017-IA-III
Government of India
Ministry of Environment, Forest and Climate Change
(IA.III Section)

Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi – 3

Date: 15th May, 2018

To,

M/s A R Landcraft LLP
A-66, Sector 63,
Noida - 201307 (Uttar Pradesh)

Subject: Proposed Recreational Entertainment Park at Plot No. REP-1, Sector-27, Greater Noida, (U.P) by M/s A R Landcraft LLP - Amendment in Environmental Clearance - reg.

Sir,

This has reference to your online proposal No. IA/UP/NCP/63243/2016 dated 17th March, 2017, submitted to this Ministry for grant of Amendment in Environmental Clearance (EC) in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986.

2. The proposal for grant of environmental clearance to the project 'Proposed Recreational Entertainment Park at Plot No. REP-1, Sector-27, Greater Noida, (U.P) promoted by M/s A R Landcraft LLP was considered by the Expert Appraisal Committee (Infra-2) in its meetings held on 21-24 August, 2017. The details of the project, as per the documents submitted by the project proponent, and also as informed during the above meeting, are under:-

- (i) M/s A.R. Landcraft LLP proposes revision of Environmental Clearance issued vide letter No.1937/Praya/SEAC/2999/2015/OSD(T) dated 15.01.2016 by SEIAA, Uttar Pradesh for Proposed Recreational Entertainment Park with Residential Villa & Group Housing Project at Plot No. REP-1, Sector-27, Greater Noida, (U.P) on a total plot area of 4,03,575 sqm and total built up area is 4,89,416 sqm (4,58,572.3 sqm + 30,843.7 sqm balcony area).
- (ii) Proposed project is construction of residential with community facilities & clubs. Adequate parking 6134 ECS is proposed on surface, stilt & basement for visitors as well as residents. Community facilities include community hall, clubs, parks and gardens. A total of 1,62,908.4 sqm is to be developed as landscape area.
- (iii) The project envisages construction of 13 residential towers & 805 vilas of B+ST+36 floors.
- (iv) The details of the amendment is as follows:

S. No.	Description	As per revised proposal	Previous approval (As Per EC Letter)
1	Plot Area (sqm)	4,03,575.00	4,03,575.00
2	Proposed Built Up Area (sqm)	4,89,416.00	6,84,001.440
3	Total no of Saleable DU's (1256 Apartments+ 805 Villas) (Nos.)	2061	2271
4	Max Height of Building (mt)	110.525	140



5	Expected Population (9275 Residential + 3109 Floating)	12383	11959
6	Proposed Ground Coverage Area (19.99%) (sqm)	80,706	77,719.48
7	Proposed FAR Area (sqm)	3,13,581.8	4,23,751.09
8	No of RWH of Pits Proposed	77	20
9	Proposed Green Area (40.36% of Net Plot Area) (sqm)	1,62,908.4	1,65,000.00
10	Proposed Total Parking	6134	6211
11	Municipal Solid Waste Generation (TPD)	5.09	5.60

- (v) Total population of the proposed project will be 12383 which include the population of residents, community and visitors.
- (vi) The total water requirement for the project has been estimated to be 1330 KLD. This includes domestic water requirement flushing, D.G. cooling and landscaping. The total fresh water requirement is 729 KLD which includes domestic water requirement. The water requirement for flushing, DG Cooling and landscaping will be met through treated water from STP.
- (vii) Total waste water generated is 750 KLD, which will be treated in onsite STP. The treated water will be recycled and re-used for flushing, D.G. cooling and landscaping.
- (viii) The total electrical load demand has been estimated to be 11770 KVA for the proposed project. The source of power will be from Uttar Pradesh Bijli Vitaran Nigam Limited (UPBVNL).
- (ix) In case of power failure, DG sets of total capacity of 10900 KVA for the proposed project will be provided as power back-up.
- (x) The domestic solid waste will be generated by the occupants of the residents, visitors and people coming to community area will pertain to the two categories, Bio-degradable and Non-biodegradable. It is estimated that maximum solid waste generation would be about 5.09 TPD for the proposed project and 575.6 kg of sludge will be generated from the proposed project.
- (xi) Investment/Cost of the project is Rs. 1050 Crore.
- (xii) Employment potential: The project involves labour camp of during construction.
- (xiii) Benefits of the project: During operational phase of Group Housing, persons will get employment opportunities as staff for management, maintenance and security. As an estimate, during operation phase, persons will get marginal employment opportunities from the residents of Group Housing who would work as domestic helpers. This will help in improving the quality of life of economically weaker sections of the local area.

3. The EAC, in its meeting held on 21-24 August, 2017, noted that the built up area and other infrastructure are decreasing in the proposed proposal as compare to the previous one. After detailed deliberations the Committee recommended the proposal for amendment in the Environmental Clearance issued vide letter No.1937/Praya/SEAC/2999/2015/OSD(T) dated 15.01.2016. As per recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords

Amendment in Environmental Clearance to the project 'Proposed Recreational Entertainment Park at Plot No. REP-1, Sector-27, Greater Noida, (U.P) promoted by M/s A R Landcraft LLP under the provisions of the EIA Notification, 2006 and amendments/circulars issued thereon, and subject to the specific and general conditions as under:-

PART A – SPECIFIC CONDITIONS:

I. Construction Phase

- (i) All the condition stipulated in the Environmental Clearance letter No. 1937/Praya/SEAC/2999/2015/OSD(T) dated 15.01.2016 shall be complied with.
- (ii) 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.
- (iii) Sewage shall be treated in the STP (MBBR Technology) with tertiary treatment i.e. Ultra Filtration. The treated effluent from STP shall be recycled/re-used for flushing, horticulture & DG cooling. No treated water will be discharged into municipal drain.
- (iv) 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. As proposed, 77 nos. of rain water harvesting pits shall be provided as per CGWB guidelines.
- (v) 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. Wet garbage shall be composted in Organic Waste Converter. 200 sqm space shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from group housing project will be sent to dumping site.
- (vi) An assessment of the cumulative impact of all activities being carried out or proposed to be carried out by the project, shall be made for traffic densities and parking capabilities in a 05 kms radius from the site. A detailed traffic management and a traffic decongestion plan drawn up through an organisation of repute and specialising in Transport Planning shall be implemented to the satisfaction of the State Urban Development and Transport Departments shall also include the consent of all the concerned implementing agencies.

II. Operational Phase

- (i) Fresh water requirement from GNIDA Supply Water Supply shall not exceed 729 KLD.
- (ii) A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. Preference should be given to planting native species. Where the trees need to be cut, compensatory plantation in the ratio of 1:3 (i.e. planting of 3 trees for every 1 tree that is cut) shall be done and maintained. As proposed 162908.4 sqm area shall be provided for green belt development.
- (iii) An environmental management plan (EMP) shall be prepared and implemented to ensure compliance with the environmental conditions specified above. A

dedicated Environment Monitoring Cell with defined functions and responsibility shall be put in place to implement the EMP. The environmental cell shall ensure that the environment infrastructure like Sewage Treatment Plant, Landscaping, Rain Water Harvesting, Energy efficiency and conservation, water efficiency and conservation, solid waste management, renewable energy etc. are kept operational and meet the required standards. The environmental cell shall also keep the record of environment monitoring and those related to the environment infrastructure.

- (i) The company shall draw up and implement a corporate social Responsibility plan as per the Company's Act of 2013.

PART B - GENERAL CONDITIONS

- (i) A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.
- (ii) The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.
- (iii) Officials from the Regional Office of MoEF&CC, Lucknow who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the APCCF, Regional Office of MoEF&CC, Lucknow.
- (iv) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
- (v) The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
- (vi) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and the Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.
- (vii) These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and the EIA Notification, 2006.
- (viii) The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at <http://www.envfor.nic.in>. The advertisement shall be made within Seven days from the date of receipt of the Clearance letter and a copy of the same shall be forwarded to the Regional Office of this Ministry at Lucknow.

- (ix) Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- (x) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.
- (xi) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- (xii) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
4. This issues with the approval of the Competent Authority.


(Kushal Vashist)
Director

Copy to:

- 1) The Secretary, Department of Environment, Government of Uttar Pradesh, Lucknow.
- 2) The Addl. Principal Chief Conservator of Forests (C), Ministry of Environment, Forests and Climate Change, Kendriya Bhavan, 5th Floor, Sector-H, Aliganj, Lucknow-226024.
- 3) The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
- 4) The Member Secretary, Uttar Pradesh Pollution Control Board, Building. No. TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226 010.
- 5) Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
- 6) Guard File/ Record File/ Notice Board.


(Kushal Vashist)
Director