



Received  
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28/11/19

Ack. Copy

**AJAY ENTERPRISES PRIVATE LIMITED**  
BUILDERS, COLONIZERS & EXHIBITORS

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To

Date: 26.11.2019

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

**Sub: Submission of Six Monthly Compliance Report of Stipulated Conditions of Environmental Clearance for Group Housing Project at Village-Lakkarpur, Sec-39, Faridabad-Ballabgarh Complex, Haryana, for the submission Period of December 2019.**

**Ref. No. SEIAA/HR/2017/04 dated 09.03.2017**

Sir,

This has reference to the EC vide letter no. **SEIAA/HR/2017/04 dated 09.03.2017** In this regard, we are submitting hereby compliance report of stipulated conditions mentioned in the EC for your kind perusal for **submission period of December, 2019.**

In view of the above, information/documents are enclosed as soft copy in C.D as follow :

1. Point-wise compliance of the stipulated environmental condition/safeguards.
2. Environmental Quality Monitoring & Analysis Reports
3. Supporting Documents.

Thanking You,

For M/s Ajay Enterprises Pvt. Ltd

(Authorized Signatory)

Name - **J. SEHGAL**  
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**ENCL : ONE C.D.**



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

28/11/19

Copy to:

1. The Director, Ministry of Environment, Forests & Climate Change (MoEF&CC) Govt. of India, Sector-31, Chandigarh.
2. The Chairman, Haryana State Pollution Control Board (HSPCB), C-11, Sector-6, Panchkula.

# 1

## PURPOSE OF THE REPORT

### 1.0 Introduction

**1.1 About Project:** M/s Ajay Enterprises Pvt. Ltd. has proposed Group Housing project Located at Village Lakkarpur, Sector-39, Faridabad- Ballabhgarh Complex Haryana.

This Project has obtained Environmental Clearance from State Environmental Impact Assessment Authority (SEIAA), Haryana, 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 SEIAA, Panchkula, MoEF&CC, Chandigarh and HSPCB, Panchkula. Various scheduled Site Visits were conducted by a team of Experts to Monitor Pollution related parameters as defined by CPCB / HSPCB. Samples for water and soil were also collected by NABL/MoEF approved laboratory for analysis.

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

The Environmental assessment has been carried out to verify:

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

### 1.3 Methodology for Preparation of Report is as follows:

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

**1.4 Generic Structure of Report:**

- 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 CONDITION

#### I. Construction Phase

S. No.	Conditions of Environmental Clearance	Status of Compliance
[1]	"Consent for Establish" shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana before the start of any construction work at site.	"Consent to Establishment" has already been obtained from Haryana State Pollution Control Board under Air and Water Act vide letter no HSPCB/Consent/:313116318FDBBCTE5639394 on dated: 26/09/2018. Copy of CTE is enclosed as Annexure-1.
[2]	A first aid room as proposed in the project report shall be provided both during construction and operational phase of the project.	First aid room has been constructed at site.
[3]	Adequate drinking water and sanitary facilities shall be provided for construction workers at the site. Provision should be made for mobile toilets. Open defecation by the labours is strictly prohibited. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.	Drinking water and mobile toilets for construction workers at the site. Open defecation will be strictly prohibited & Safe Disposal will be done.
[4]	All the top soil excavated during construction activities shall be stored for use in horticulture/landscape development within the Project site.	Top soil is being stored and used for the horticulture/landscape development within the project site.
[5]	The project proponent shall ensure that the building material required during construction phase is properly stored within the project area and disposal of construction waste should not create any adverse effect on the neighbouring communities and should be disposed of after taking necessary precautions for general safety and health aspects of people, only in the approved sites with the approval of competent authority.	The project is in construction phase. The building material required during construction phase shall be properly stored within the project area. Necessary precautions are taken and arrangements are made for safe disposal of construction waste which will not create any adverse effect on the neighbouring communities.
[6]	Construction spoils, including bituminous materials and other hazardous materials must not be allowed to contaminate watercourses and the dump sites for such materials must be secured so that they should not leach into the ground water and any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approval of Haryana State Pollution Control Board.	There will be negligible quantity of spent oil / used oil, no hazardous waste has been generated during construction phase. Soil and Water quality analysis report will be submitted.
[7]	The diesel generator sets to be used during construction phase shall be of ultra-low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.	Diesel power generator sets used during construction phase will be enclosed type. All precautionary measures will be undertaken for the control of air and noise generation under Environment Protection act.
[8]	The diesel required for operating DG sets shall be stored in underground tanks and if required clearance from chief controller of explosive shall be taken.	There is no need for the underground storage of Diesel and clearance from the chief controller of explosive as we are managing on daily basis.

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[9]	Ambient noise levels shall conform to the residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be taken to reduce ambient air and noise level during construction phase, so as to confirm stipulated residential standards of CPCB/MoEF.	<i>Ambient air &amp; noise monitoring has been conducted at project site and the results shows that the noise levels were within the prescribed limits. Lab reports are attached as <b>Annexure-2</b>.</i>
[10]	Fly ash shall be used as building materials in the construction as per the provision of Fly Ash Notification of September 1999 and amendment as on 27 <sup>th</sup> August 2003.	<i>Ready mixed Concrete will be used for construction with fly ash as its component.</i>
[11]	Storm water control and its re-use as per CGWB and BIS standard for various applications should be ensured.	<i>Rainwater recharge pits will be constructed at site in due course of time to recharge groundwater aquifer.</i>
[12]	Water demand during construction phase shall be reduced by uses of pre-mixed concrete, curing agent and other best practices.	<i>Premix concrete and curing agent is being used to save the consumption of water.</i>
[13]	Roof must meet prescriptive requirements as per Energy Conservation Building Code by using appropriate thermal insulation material.	<i>As per Govt. of Haryana, HAREDA Notification No. 19/6/2016-5P dated 31st March, 2016; Energy Conservation Building Code (ECBC) is not applicable for Group Housing Building.</i>
[14]	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is desirable for non-air conditioned spaces by use of appropriate thermal insulation to fulfil the requirement.	<i>As per Govt. of Haryana, HAREDA Notification No. 19/6/2016-5P dated 31st March, 2016; Energy Conservation Building Code (ECBC) is not applicable for Group Housing Building.</i>
[15]	The approval of competent authority shall be obtained for structural safety of the building due to earthquake, adequacy in fire fighting equipment etc as per National Building Code including protection measures for light etc. If any forest land is involved in the proposed site, clearance under Forest Conservation Act shall be taken from competent authority.	<i>The building is designed to meet the requirement of structural safety, adequacy of fire fighting equipments and protection against lightening measures. All necessary approvals have been obtained. NOC from Forest Department has been obtained in this regard and is <b>enclosed as Annexure - 3</b>.</i>
[16]	The Project Proponent as stated in the proposal shall construct total 03 rain water harvesting pits for recharging the ground water within the project premises. Rain water harvesting pits shall be designed to make provisions for silting chamber and removal of floating matter before entering harvesting pit. Maintenance budget and persons responsible for maintenance must be provided. Care shall also be taken that contaminated water do not enter any RWH pit.	<i>The rainwater collected from the rooftop and other paved areas within the project area will be stored into the rainwater harvesting system consisting of Desilting-cum-filter chamber, Oil &amp; grease separator, and Recharge pit with bore well for recharge into the groundwater. It will be ensured that no contamination enter into storm water drainage system. 3 No. of RWH Pits will have adequate treatment &amp; filtration devices and adequate maintenance will be provided.</i>
[17]	The project proponent shall provide the adequate fire safety measures and equipments as required by Haryana Fire Service Act, 2009 and instructions issued by the local Authority/ Directorate of fire from time to time. Further the project proponent shall take necessary permission regarding fire safety scheme/NOC from competent Authority as required.	<i>Fire fighting scheme has been approved from Director General Fire Services, Haryana vide letter Memo. No. FS / 2018/134 dated. 28.11.2018 is attached as <b>Annexure-4</b>.</i>
[18]	The Project Proponent shall obtain assurance form the DHBVN for supply of 1866 KW of power supply before the start of construction. In no case project will be operational solely on generators without any power	<i>Agreed. The project will operate only after obtaining permission from DHBVN for power supply. The project will not be</i>

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	supply from any external power utility.	<i>operational solely on generators without any power supply from any external power utility.</i>
[19]	Detail calculation of power load and ultimate power load of the project shall be submitted to DHBVN under intimation to SEIAA Haryana before the start of construction. Provisions shall be made for electrical infrastructure in the project area.	<i>Submitted.</i>
[20]	The project proponent shall not raise any construction in the natural land depression/ Nallah/ Water course and shall ensure that the natural flow from the Nallah/ Water course is not obstructed.	<i>The project does not intersect any natural drainage route. No perennial or non-perennial drainage system is found to exist in the project area or being obstructed by the project.</i>
[21]	The Project Proponent shall keep the plinth level of the building blocks sufficiently above the level of the approach road to the Project as per prescribed by-laws. Levels of the other areas in the Projects shall also be kept suitably so as to avoid flooding.	<i>The project will be constructed complying with all statutory by laws and NBC guidelines.</i>
[22]	Construction shall be carried out so that the density of population does not exceed norms approved by the Director General Town and Country Department Haryana.	<i>This is a group housing project and population calculations incorporated in Approved layout plan approved by DGTCP.</i>
[23]	The project proponent shall submit an affidavit with the declaration that ground water will not be used for construction and only the treated water should be used for construction.	<i>Affidavit declaring that no groundwater will be used for construction work has been submitted to SEIAA/SEAC along with the application.</i>
[24]	The Project proponent shall not cut any existing tree and project landscaping plan should be modified to include those trees in green area.	<i>Tree cutting permission already granted.</i>
[25]	The project proponent shall provide 3 meter high barricade around the project area, dust screen for every floor above the ground, proper sprinkling and covering of stored material to restrict dust and air pollution during construction.	<i>The project has been designed following the NBC guidelines and ECBC norms.</i>
[26]	The project proponent shall construct a sedimentation basin in the lower level of the project site to trap pollutant and other wastes during rains.	<i>Noted.</i>
[27]	The project proponent shall provide Rasta of proper width and proper strength for each project before the start of construction.	<i>Project site is situated in well developed area of licensed colony. Internal road of suitable width are provided in the project for smooth movement of traffic.</i>
[28]	The project proponent shall ensure that the U-value of the glass is less than 3.177 and maximum solar heat gain coefficient is 0.25 for vertical fenestration.	<i>Noted and will be followed.</i>
[29]	The project proponent shall adequately control construction dusts like silica dust, non-silica dust, wood dust. Such dusts shall not spread outside project premises. Project proponent shall provide respiratory protective equipment to all construction workers.	<i>All safety measures are being taken. All construction workers are being provided with personal protective equipment (PPE) by the contractors as required under health &amp; safety norms.</i>
[30]	The project proponent shall develop complete civic infrastructure of the Group Housing colony including internal roads, green belt development, sewerage line, Rain Water recharge arrangements, Storm water drainage system, Solid waste management site and provision for treatment of bio-degradable waste, STP, water supply line, dual plumbing line, electric supply lines etc. And shall offer possession of the units/flats	<i>We are developing develop Group Housing as approved by Town and Country Planning Department and after obtaining occupation certificate we will offer the possession of the flats thereafter.</i>

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	thereafter.	
[31]	The project proponent shall provide one refuge area till 24 meter and one till 39 meter each, as per National Building Code. The project proponent shall not convert any refuse area in the habitable space and it should not be sold out/commercialized.	<i>The project has been designed following the NBC guidelines.</i>
[32]	The project proponent shall provide fire control room and fire officer for building above 30 meter as per National Building Code.	<i>Agreed and will be complied.</i>
[33]	The project proponent shall obtain permission of Mines and Geology Department for excavation of soil before start of construction.	<i>Permission from Mines and Geology Department has been obtained vide No. Admin/fbd/mining/STP/2607 dated 26.10.2018 is attached as <b>Annexure-5</b></i>
[34]	The project proponent shall seek specific prior approval from concerned local Authority/HUDA regarding provision of storm drainage and sewerage system including their integration with external services of HUDA/ Local authorities beside other required services before taking up any construction activity.	<i>Service plans along with Layout plan has been approved by DGTCP.</i>
[35]	The project proponent shall submit the copy of fire safety plan duly approved by Fire Department before the start of construction.	<i>Fire Fighting scheme has been approved from Director General Fire Services, Haryana vide letter Memo. No. FS / 2018/134 dated. 28.11.2018 is attached as <b>Annexure-4</b></i>
[36]	The project proponent shall discharge excess of treated waste water/storm water in the public drainage system and shall seek permission of HUDA before the start of construction.	<i>Noted and will comply.</i>
[37]	The project proponent shall maintain the distance between STP and water supply line.	<i>Noted and agreed.</i>
[38]	The project proponent shall ensure that the stack height is 6 meter more than the highest tower.	<i>Stack height will be as per latest CPCB guidelines.</i>
[39]	The project proponent shall ensure that structural stability to with stand earthquake of magnitude 8.5 on Richter scale.	<i>Noted and structure designed accordingly.</i>

**II. Operation Phase**

S. No.	Conditions of Environmental Clearance	Status of Compliance
[a]	"Consent to Operate" shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana.	<i>CTO will be applied and obtained before the project goes operational.</i>
[b]	The Sewage Treatment Plant (STP) shall be installed for the treatment of the sewage to the prescribed standards including odour and treated effluent will be recycled to achieve zero exit discharge. The installation of STP shall be certified by an independent expert and a report in this regard shall be submitted to the SEIAA, Haryana before the project is commissioned for operation. Tertiary treatment of waste water is mandatory. Discharge of treated sewage shall conform to the norms and standards of HSPCB. Project proponent shall implement such STP technology which does not require filter backwash.	<i>STP of adequate capacity will be installed and treated effluent will be recycled to achieve zero discharge during operational phase and treated effluent will conform to the norms and standards of HSPCB.</i>
[c]	Separation of the gray and black water should be done by the use of dual plumbing line. Treatment of 100% gray water by decentralized treatment should be done ensuring that the re circulated water should have BOD level less than 10 mg/litre and the recycled water will be used for flushing, gardening and DG sets cooling etc. To achieve zero exit discharge.	<i>Provision of dual plumbing will be made for separation of black and grey water. Treated waste water will be used for flushing, HVAC water make up and landscaping</i>
[d]	For disinfections of the treated waste water ultra-violet radiation or ionization should be used.	<i>We will use the ultra violet radiation or ionization for disinfection of treated waste water.</i>
[e]	Diesel power generating sets proposed as source of backup power for lifts, common area illumination and for domestic use should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The location of the DG sets should be in the basement as promised by the project proponent with appropriate stack height i.e. above the roof level as per the CPCB norms. The diesel used for DG sets should be of ultra-low sulphur contents (0.05%ppm sulphur), instead of low sulphur diesel.	<i>Yes, we will use ultra low sulphur content diesel and all diesel power generating sets use will be 'enclosed type' to prevent noise and will conform to rules made under EPA 1986, for air and noise emissions standards.</i>
[f]	Ambient Noise level should be controlled to ensure that it does not exceed the prescribed standards both within and at the boundary of the Proposed Group housing colony.	<i>We will monitor noise level at boundary of proposed Commercial complex and it's within permissible limits. We will also take relevant steps to keep noise in permissible limits.</i>
[g]	The project proponent as stated in the proposal should maintain at least 25% as green cover area for tree plantation especially all around the periphery of the project and on the road sides preferably with local species which can provide protection against noise and suspended particulate matter. The open spaces inside the project should be preferably landscaped and covered with Vegetation/ grass, herbs & shrubs. Only locally available plant species shall be used.	<i>Agreed and will be done.</i>
[h]	The project proponent shall strive to minimize water in irrigation by minimizing the grass area, using native variety, xeriscaping and mulching, utilizing efficient irrigation system, scheduling irrigation only after checking evapo-transpiration data.	<i>Same will be compiled with during the operation phase.</i>
[i]	Rain water harvesting for runoff and surface runoff, as per plan submitted should be implemented. Before recharging	<i>Rain water harvesting and ground water recharging will be practiced during the construction phase. All the</i>



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S. No.	Conditions of Environmental Clearance	Status of Compliance
	the surface runoff, pre-treatment must be done to remove suspended matter, oil and greases. The bore-well for rain water recharging should be kept at least 5 mts. above the highest ground water table. Care shall be taken that contaminated water do not entry any RWH pit. The project proponent shall avoid rain water harvesting of first 10 minutes of rain fall. Roof top of the building shall be without any toxic materials or paints which can contaminate rain water. Wire mess and filter should be used wherever required.	<i>ground water levels and its quality will be monitored regularly in consultation with the CGWA. Oil and grease trap will be provided to remove oil and grease from the surface run-off and suspended matter will be removed in a settling tank before its utilization of RWH.</i>
[j]	The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.	<i>In the Construction phase ground water level and its quality is being regularly monitored.</i>
[k]	A report on energy conservation measures conforming to energy conservations norms finalize by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, "R & U Factors etc" and submit to SEIAA division of environment and forest department, Haryana in three months time.	<i>We will provide the same as per our approved scheme from MoEF.</i>
[l]	Energy conservation measures like installation of LED for the lighting the areas outside the building should be integral part of the projects design and should be in place before project commissioning. Use of solar panels must be adapted to the maximum energy conversion.	<i>The LEDs &amp; solar panels have been proposed for lightening purposes at common areas.</i>
[m]	The project proponent shall use zero ozone depleting potential material in the insulation, refrigeration, air-conditioning and adhesive. The project proponent shall also provide Halon free fire suppression system.	<i>Yes, we will use zero ozone depleting potential material in the insulation, refrigeration, air-conditioning and adhesive; and will also provide Halon free fire suppression system in construction as well as operational phase.</i>
[n]	The solid waste generated should be properly collected and segregated as per requirements of MSW rules, 2000 and as amended from time to time. The bio-degradable waste should be treated by appropriate technology at the site ear-marked within the project area and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable materials.	<i>Yes, the solid waste will be collected and segregated. The bio-degradable waste will be treated by appropriate technology at the site ear-marked within the project area and non-biodegradable solid waste would be disposed off to municipal landfill sites after recovering recyclable wastes.</i>
[o]	The provision of the solar water heating system shall be as per the norms specified by HAREDA and shall be made operational in each building block.	<i>Appropriate provisions will be provided as per norms specified by HAREDA.</i>
[p]	The traffic plan and the parking plan proposed by the project proponent should be adhered to meticulously with further scope of additional parking for future requirement. There should be no traffic congestion near the entry and exit points from the roads adjoining the proposed project site. Parking should be fully internalized and no public space should be used.	<i>The traffic and parking plan has been proposed as per the bylaws of the region. It is assured that no parking will be made in open / public spaces.</i>
[q]	The project shall be operational zed only when HUDA/local authority will provide domestic water supply system in the area.	<i>The project will be made operational only after obtaining water supply connection with HUDA. HUDA have assured water supply during operational phase.</i>
[r]	Operation and maintenance of STP, solid waste management and electrical Infrastructure, pollution control measures shall be ensured even after the completion of Project.	<i>Same will be complied and adhered to.</i>

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S. No.	Conditions of Environmental Clearance	Status of Compliance
[s]	Different type of wastes should be disposed off as per provisions of municipal solid waste, biomedical waste, hazardous waste; e waste, batteries & plastic rules made under Environment Protection Act, 1986, Particularly E waste and battery waste shall be disposed off as per existing E waste Management rules 2011 and batteries management rules 2001. The project proponent should maintain a collection centre for E-waste and it should be disposed of to only registered and authorized dismantler/recycler.	<i>Same will be compiled during the operation phase.</i>
[t]	Standards for discharge of environmental pollutants as enshrined in various schedules of rule 3 of Environmental Protection Rule 1986 shall be strictly complied with.	<i>Same will be compiled during the operation phase.</i>
[u]	Water supply shall be metered among different users and different utilities.	<i>During constructional phase the water will be supplied by tankers. But we will meter different residential units and different utilities in operational phase.</i>
[v]	The project proponent shall ensure that the stack height of DG sets is more than the highest tower and also ensure that emission standards of noise and air are within the CPCB prescribed limits. Noise and Emission level of DG sets are greater than 800 KVA shall be as per the CPCB latest standards for high capacity DG sets.	<i>Adequate stack height will be provided as per CPCB guidelines and norms. Regular monitoring and measures will be undertaken to ensure that the emission levels are below the prescribed CPCB limits.</i>
[w]	All electric supply exceeds 100 amps, 3 phases shall maintain the power factor between 0.98 lag to 1 at the point of connection.	<i>Same will be compiled during the operational phase.</i>
[x]	The project proponent shall use only fresh water for HVAC and DG cooling. Air based HVAC system should be adopted and only treated water shall be used by project proponent for cooling, if it is all needed. The project proponent shall also use evaporating cooling technology and double stage cooling system for HVAC in order to reduce water consumption. Further temperature, relative humidity during summer and winter season should be kept at optimal level. Variable speed drive, best co-efficient of performance, as well as optimal integrated point load value and minimum outside fresh air supply may be resorted for conservation of water and power. Coil type cooling DG sets shall be used for saving cooling water consumption for water cooled DG Sets.	<i>Noted.</i>
[y]	The project proponent shall ensure that the transformer is constructed with high quality grain oriented, low loss silicon steel and virgin electrolyte grade copper. The project proponent shall obtain manufacturer's certificate also for that.	<i>Yes, will use only STP water during operation phase for HVAC and DG cooling &amp; also use evaporative cooling technology and double stage cooling system for HVAC in order to reduce water consumption.</i>
[z]	The project proponent shall ensure that exit velocity from the stack should be sufficiently high. Stack shall be designed in such a way that there is no stack down-wash under any meteorological conditions.	<i>Yes, Transformers from certified manufacturers will be used as per the requirements.</i>
[aa]	The project proponent shall provide water sprinkling system in the project area to suppress the dust in addition to the already suggested mitigation measures in the Air Environment Chapter of EMP.	<i>Agreed and being complied.</i>
[ab]	The project proponent shall ensure proper Air Ventilation and light system in the basements area for comfortable living of human being and shall ensure that number of Air Changes per hour/(ACH) in basement never falls below	<i>Agreed and Noted.</i>

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S. No.	Conditions of Environmental Clearance	Status of Compliance
	15. In case of emergency capacity for increasing ACH to the extent of 30 must be provided by the project proponent.	
[ac]	The project proponent shall ensure drinking/domestic water supply as per prescribed standards till treated water supply is made available by HUDA.	<i>Agreed and is being complied.</i>
[ad]	The project proponent shall install solar panel for energy conservation.	<i>Agreed and Noted for the compliance.</i>

**PART- B: GENERAL CONDITIONS**

S. No.	Conditions of Environmental Clearance	Status of Compliance
[i]	The project proponent shall ensure the commitments made in Form-1, Form-1A, EIA/EMP and other documents submitted to the SEIAA for the protection of environment and proposed environmental safeguards are complied with in letter and spirit. In case of contradiction between two or more documents or any point, the most environmentally friendly commitment shall be taken as commitment by the project proponent.	<i>Environmental Safeguards as prescribed by the ministry of environment and forests in the clearance document will be implemented in true spirit both during the construction and operation phase.</i>
[ii]	The Project Proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copy as well as by e-mail) to the Northern Regional Office of MoEF, the respective Zonal Office of CPCB, HSPCB and SEIAA Haryana.	<i>We are regularly submitting six monthly monitoring reports to the SEIAA and the regional office, MoEF, GOI, Northern region Haryana.</i>
[iii]	STP outlet after stabilization and stack emission shall be monitored monthly. Other environmental parameters and green belt shall be monitored on quarterly basis. After every 3 months, the project proponent shall conduct environmental audit, and shall take corrective measures, if required, without any delay.	<i>The environmental parameters will be monitored as per the guidelines.</i>
[iv]	The SEIAA, Haryana and reserve the right to add additional safeguards measures subsequently, if found necessary. Environmental clearance granted will be revoked if it is found that false information has been given for getting approval of this project. SEIAA reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of SEIAA / MoEF.	<i>Agreed and noted for compliance.</i>
[v]	The Project proponent shall not violate any judicial orders /pronouncements issued by court/Tribunal.	<i>We will respect and not to violate any judicial orders/ pronouncements issued by the Court / Tribunal.</i>
[vi]	All other statutory clearance such as approval for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980, and Wildlife (Protection) Act, 1972, Forest Act, 1927, PLPA 1900, etc. shall be obtained, as applicable by project proponent from the respective authorities prior to construction of the project.	<i>Already obtained and if anything required at later stage it will be obtained.</i>
[vii]	The project proponent should inform the public that the project has been in accorded Environmental clearance by SEIAA and copies of the clearance letter are available with the State Pollution Control Board & SEIAA. This should be advertised within 7 days from date of issue of clearance	<i>Same has been informed in two local newspapers that are widely circulated in the region and copy of the same has been forwarded to SEIAA, Haryana. A copy of environment clearance conditions also has</i>

**Project: Environmental Clearance for Group Housing Project at Vill-Lakkarpur, Sector-39, Faridabad-  
Ballabhgarh complex, Haryana  
(EC No. SEIAA/HR/2017/04 Dated-09-03-2017)**

S. No.	Conditions of Environmental Clearance	Status of Compliance
	letter at least in two local newspapers that are widely circulated in the region and copy of the same should be forwarded to SEIAA Haryana. A copy of environmental clearance conditions shall also be put on the project proponent's web site for public awareness.	<i>been displayed on PP's website for public awareness.</i>
[viii]	Under the provision of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponents if it was found that construction of the projects has been started before obtaining prior Environmental Clearance.	<i>No construction will be started before obtaining prior Environmental Clearance and EC has been granted vide letter No. SEIAA/HR/2013/360 Dated-26-06-2013.</i>
[ix]	Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, If preferred with in a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.	<i>Noted applicable.</i>
[x]	The project proponent shall put in place corporate environment policy as mentioned in MoEF, Gol OM No. J-11013/41/2006-IA II (I) dated 26.4.2012 within 3 months period. Latest Corporate Environment policy should be submitted to SEIAA within 3 months of issuance of this letter.	<i>Will be submitted.</i>
[xi]	The fund ear-marked for environment protection measures should be kept in separate account and should not be diverted for other purposes and year wise expenditure report should be submitted to the SEIAA/RO MoEF, Gol under rules prescribed for Environmental Audit.	<i>The funds will be maintained as per the guidelines.</i>
[xii]	The project proponent shall ensure the compliance of Forest Department, Haryana Notification no. S.O.121/PA2/1900/S.4/97 dated 28.11.1997.	<i>Noted.</i>
[xiii]	The project proponent shall ensure that no vehicles during construction/ operation phase enter the project premises without valid 'Pollution Under Control' certificate from competent Authority.	<i>Agreed. Entry of any vehicle without "Pollution under Control" prohibited.</i>
[xiv]	The project proponent is responsible for the compliance of all conditions in Environmental Clearance letter and project proponent can not absolve himself/herself of the responsibility by shifting it to any contractor engaged by project proponent.	<i>Noted.</i>
[xv]	The project proponent shall seek fresh Environmental clearance if at any stage there is change in the planning of the proposed project.	<i>Noted applicable.</i>
[xvi]	Besides the developer/applicant the responsibility to ensure the compliance of Environmental Safeguards/conditions imposed in the Environmental clearance letter shall also lie on the licensee/ licensees in whose name/names the license/CLU has been granted by the Town & Country Planning Department, Haryana.	<i>Noted.</i>
[xvii]	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, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM2.5, PM10, SOx, NOx, Ozone, Lead, CO, Benzene, Ammonia, Benzopyrine, arsenic and Nickel. (Ambient levels as well	<i>Agreed and Noted.</i>

**Project: Environmental Clearance for Group Housing Project at Vill-Lakkarpur, Sector-39, Faridabad-  
Ballabgarh complex, Haryana  
(EC No. SEIAA/HR/2017/04 Dated-09-03-2017)**

S. No.	Conditions of Environmental Clearance	Status of Compliance
	as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near them a in gate of the company in the public domain.	
[xviii]	The environmental statement for each financially year ending 31 <sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the HSPCB Panchkula 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 the EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	<i>Agreed and fresh environmental clearance will be taken in case of any modification and revision.</i>
[xix]	The project proponent shall conduct environment audit at every three months interval and there after corrected measures shall be taken without any delay. Details of environmental audit and corrective measures shall be submitted in the monitoring report.	<i>Agreed and Noted.</i>
[xx]	Corporate Environment and social Responsibility (CSER) Shall be laid down by the project proponent (2% shall be earmarked as per guideline of MoEF, GoI Office.	<i>Agreed and Noted.</i>

# 3

## DETAILS OF ENVIRONMENTAL MONITORING

### 3.1 AMBIENT AIR QUALITY MONITORING

#### 3.1.1 Ambient Air Quality Monitoring Stations

Ambient air quality monitoring has been carried out at 3 locations: Near Main Gate, Centre of the Project and near Back Side of Project. This will enable to have a comparative analytical understanding about air quality and the changes in the air environment in the study area with respect to the condition prevailing. The locations of the ambient air quality monitoring stations are given in **Table 3.1**.

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

S. No.	Location	Location Name/ Description
1.	AAQ 1	Near Main Gate
2.	AAQ 2	Centre of the Project
3.	AAQ 3	Back Side of Project

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

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

#### **AAQ-2: Centre of the Project**

The sampler was placed near Centre of the project. Vicinity represents Commercial environmental setting.

#### **AAQ-3: Back Side of Project**

The sampler was placed near Project Site. Vicinity represents commercial environmental setting.

#### 3.1.2 Ambient Air Quality Monitoring Methodology

Monitoring was conducted in respect of the following parameters:

- Particulate Matter (PM<sub>2.5</sub>)
- Particulate Matter (PM<sub>10</sub>)
- Sulphur Dioxide (SO<sub>2</sub>)
- Oxides of Nitrogen (NO<sub>x</sub>)
- Carbon Monoxide (CO)

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

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

Fine Particulate Sampler instruments have been used for monitoring Particulate Matter 2.5 (PM<sub>2.5</sub> i.e. <2.5 microns), and Respirable Dust Sampler was used for sampling Respirable fraction

(<10 microns), gaseous pollutants like SO<sub>2</sub>, and NO<sub>x</sub>. Bladder and Aspirator bags were used for collection Carbon Monoxide samples. Gas Chromatography techniques have been used for the estimation of CO.

**Table 3.2 Techniques used for Ambient Air Quality Monitoring**

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

#SOP No.VEL/SOP/01, Section No. SP 63

### 3.1.3 Ambient Air Quality Monitoring Results

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

**Table 3.3 Ambient Air Quality Monitoring Results**

S.No.	Parameter	AAQ1	AAQ2	AAQ3	NAAQS*
1.	Particulate Matter (PM10)	78.37	83.7	82.8	100
2.	Particulate Matter(PM2.5)	41.57	44.6	43.7	60
3.	Nitrogen Dioxide(NO2)	19.56	20.2	20.4	80
4.	Sodium Dioxide(SO2)	13.63	12.4	11.6	80
5.	Carbon Monoxide (CO)	0.84	0.96	0.82	4

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

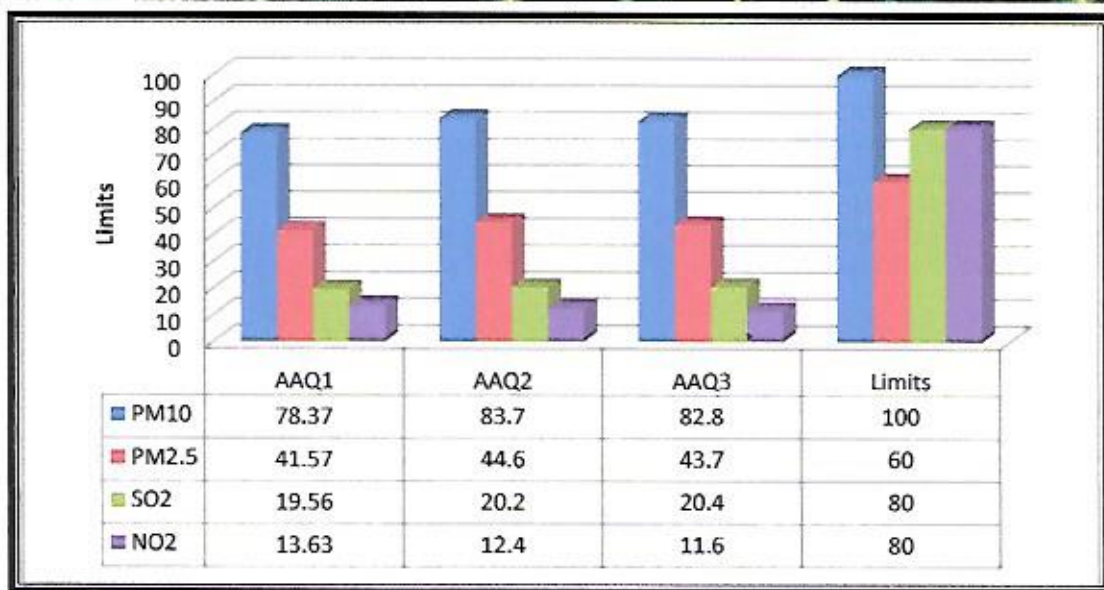


Figure 3.1 Location-wise Variation of PM<sub>2.5</sub>, PM<sub>10</sub>, NO<sub>2</sub> & SO<sub>2</sub> Ambient Air Quality

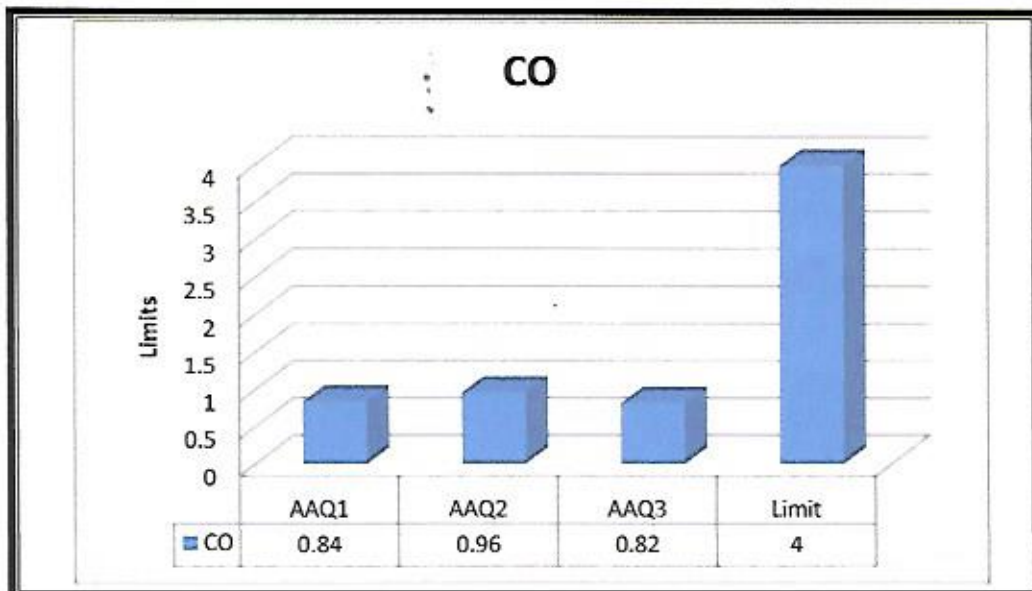


Figure 3.2 Location-wise Variation of CO in Ambient Air Quality

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

PM<sub>10</sub> and PM<sub>2.5</sub> levels at the project site are in the permissible limit of 100 µg/m<sup>3</sup> and 60 µg/m<sup>3</sup> respectively in all the areas (for commercial, rural and other areas as stipulated in the National Ambient Air Quality Standards). SO<sub>2</sub>, NO<sub>x</sub> and CO was observed within the corresponding stipulated limits (Limit for SO<sub>2</sub> and NO<sub>x</sub>: 80 µg/m<sup>3</sup> and limit for CO: 4.0 mg/m<sup>3</sup>) at all monitoring locations. Station wise variation of ambient air quality parameters has been pictorially shown in Figure 3.1&3.2.



### 3.2 AMBIENT NOISE MONITORING

#### 3.2.1 Ambient Noise Monitoring Locations

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

Table 2.4 Details of Ambient Noise Monitoring Stations

S. No.	Location Code	Location Name/ Description
1.	N1	Near Main Gate
2.	N2	Near Project Site
3.	N3	Back Side of Project

#### 3.2.2 Methodology of Noise Monitoring

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

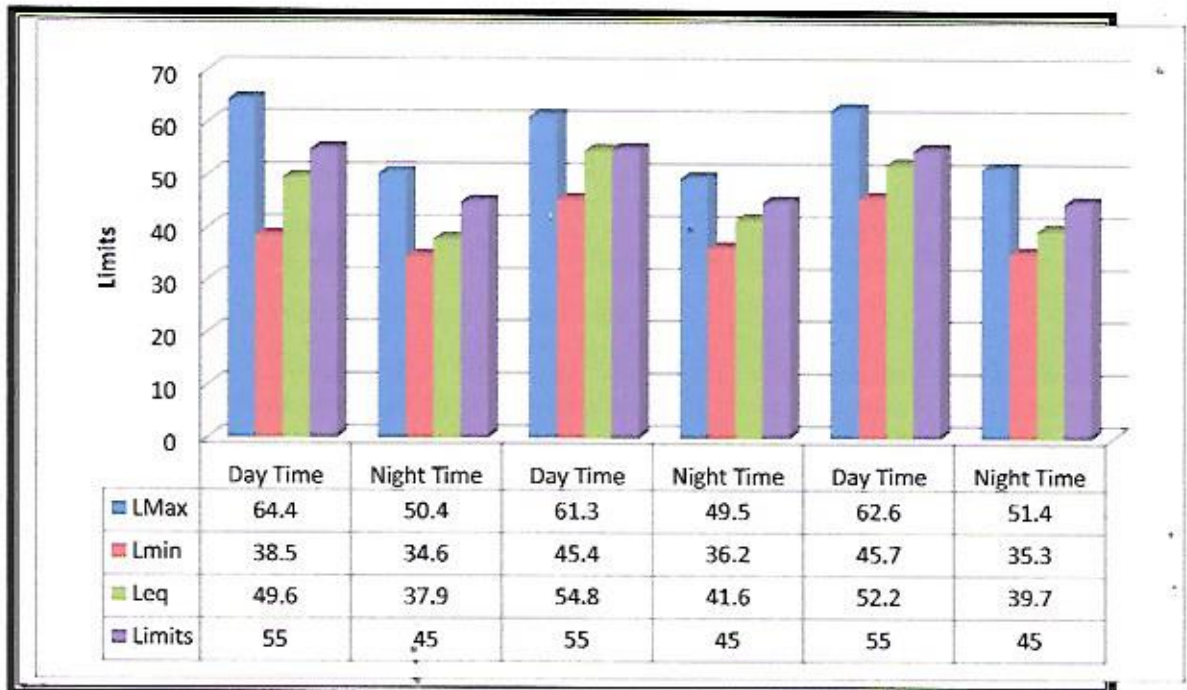
#### 3.2.3 Ambient Noise Monitoring Results

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

Table 3.5 Ambient Noise Monitoring Results

Parameters	N1		N2		N3	
	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
$L_{max}$	64.4	50.4	61.3	49.5	62.6	51.4
$L_{min}$	38.5	34.6	45.4	36.2	45.7	35.3
$L_{eq}$	49.6	37.9	54.8	41.6	52.2	39.7
CPCB Limits in dB(A) Leq (Residential Area)	55.0	45.0	55.0	45.0	55.0	45.0

Figure 3.3 Location-wise Variation of Ambient Noise Level



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

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

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

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

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

### 3.3 WATER QUALITY MONITORING

Water sample was collected from the project site. The sample was analyzed for various parameters to compare with the standards for drinking water as per IS: 10500 for 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.	GW 1	Near Project Site (Ground Water)

#### 3.3.1 Methodology of Drinking water Quality Monitoring

Sampling of water was carried out on **September 2019**. Samples were collected as grab sample and sampling forms are filled in as per the sampling plan. The preservative sample were properly added to preserve as per standard operating procedures (SOP) and stored immediately in ice boxes, which were ensured for appropriate temperatures. Sample for chemical analysis was collected in polyethylene carboys. Sample collected for metal content were acidified to <2 pH with 1 ml HNO<sub>3</sub>. A sample for bacteriological analysis was collected in sterilized glass bottles.

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

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

### 3.3.2 Ground Water Quality Monitoring Results

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

**Table 3. Ground Water Quality Monitoring Result**

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Requirement (Acceptable Limits)	Permissible limit in the Absence of Alternate Source
1.	pH (at 25 °C)	APHA ,4500-IF B Electrometric Method	7.68	--	6.5 to 8.5	No Relaxation
2.	Colour	APIA ,2120 B, Visual Comparison Method	*BDL (**DL 5Hazen)	Hazen	5	15
3.	Turbidity	APHA, 2130 B, Nephelometric Method	*BDL (**DL 0.1 NTU)	NTU	1	5
4.	Odour	APHA, 2150 B , Threshold Test Method	Agreeable	--	Agreeable	Agreeable
5.	Taste	APIA , 2160 B, Threshold Test Method	Agreeable	--	Agreeable	Agreeable
6.	Total Hardness as	APIA , 2340 C, EDTA Titrimetric Method	178.00	mg/l	200	600
7.	Calcium as Ca	APIA, 3500 Ca B, EDTA Titrimetric Method	40.94	mg/l	75	200
8.	Alkalinity as CaCO <sub>3</sub>	APIA , 2320 B, Titrimetric Method	173.17	mg/l	200	600
9.	Chloride as Cl	APIA, 4500-Cl B, Argentometric Method	70.17	mg/l	250	1000
10.	#Cyanide as CN	APHA , 4500 CN D	*BDL (**DL 0.05 mg/l)	mg/l	0.05	No Relaxation
11.	Magnesium as Mg	APIA , 3500 Mg B, Calculation Method	18.81	mg/l	30	100
12.	Total Dissolved Solids	APIA , 2540 C, Gravimetric Method	370.00	mg/l	500	2000
13.	Sulphate as SO <sub>4</sub>	APHA , 4500 E, Turbidimetric Method	10.65	mg/l	200	400
14.	Fluoride as F	APIA , 4500-F D, SPADNS Method	0.53	mg/l	1.0	1.5
15.	Nitrate as NO <sub>3</sub>	IS 3025 (P-34) ,Chromotropic Method	5.12	mg/l	45	No Relaxation
16.	Iron as Fe	APIA , 3500-Fe B 1,10 Phenanthroline Method	0.14	mg/l	0.3	No relaxation
17.	#Aluminium as Al	APIA , 3111 B	*BDL (**DL 0.02 mg/l)	mg/l	0.03	0.2
18.	Boron	APIA, 4500B C, Carmine Method	*BDL (**DL 0.1 mg/l)	mg/l	0.5	1
19.	Total Chromium as Cr	APIA , 3111 B, Direct Air, Acetylene Flame Method	*BDL (**DL 0.03 mg/l)	mg/l	0.05	No Relaxation
20.	Phenolic Compounds	APIA, 5530 C Chloroform Extraction Method	*BDL (**DL 0.001 mg/l)	mg/l	0.001	0.002
21.	#Mineral Oil	Clause 6 of IS:3025(Part 39)	*BDL (**DL 0.05mg/l)	mg/l	0.5	No Relaxation
22.	Anionic Detergents as	APIA, 5540 C MBAS Method	*BDL (**DL 0.02 mg/l)	mg/l	0.2	1.0
23.	Zinc as Zn	APIA , 3111 B, Direct Air, Acetylene Flame	0.42	mg/l	5	15
24.	Copper as Cu	APIA , 3111 B, Direct Air, Acetylene Flame Method	0.23	mg/l	0.05	1.5
25.	Manganese as Mn	APIA , 3111 B, Direct Air, Acetylene Flame	*BDL (**DL 0.06 mg/l)	mg/l	0.1	0.3
26.	Cadmium as Cd	APIA , 3111 B, Direct Air, Acetylene Flame	*BDL (**DL 0.03 mg/l)	mg/l	0.003	No Relaxation
27.	Lead as Pb	APIA , 3111 B, Direct Air, Acetylene Flame	*BDL (**DL 0.01 mg/l)	mg/l	0.01	No Relaxation
28.	#Selenium as Se	APIA , 3114 B, Manual Hydride Generation	*BDL (**DL 0.01 mg/l)	mg/l	0.01	No Relaxation
29.	#Arsenic as As	APIA , 3114 B, Manual Hydride Generation	*BDL (**DL 0.01 mg/l)	mg/l	0.01	0.05
30.	#Mercury as Hg	APIA , 3111 B, Direct Air, Acetylene Flame	*BDL (**DL 0.001 mg/l)	mg/l	0.001	No Relaxation
31.	Total Coliform	IS 1622,1981	<2	MPN/100ml	Shall not be detectable in any 100 ml sample	
32.	E. Coli	IS 1622,1981	Absent	MPN/100ml	Shall not be detectable in any 100 ml sample	

Note:- \*BDL-Below Detection Limit, \*DL- Detection Limit

#These parameter are not covered in our NABL scope

#### 3.3.4 Discussion on Ground 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 173.17 mg/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 water is 370.00mg/L against desirable limit of 500 mg/L, however, total dissolved solids is lower than permissible limit of 600 mg/L. However, remaining parameters are within the CPCB prescribed limits.

### 3.4 SOIL MONITORING

#### 3.4.1 Soil Monitoring Locations

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

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

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

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

#### 3.4.2 Methodology of Soil Monitoring

The sampling has been done in line with IS: 2720 & Methods of Soil Analysis, Part-1, 2nd edition, 1986 of American Society for Agronomy and Soil Science Society of America. The homogenized samples were analyzed for physical and chemical characteristics (physical, chemical and heavy metal concentrations). The soil samples were collected in the month of **September 2019**.

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

### 3.4.3 Soil Monitoring Results

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

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

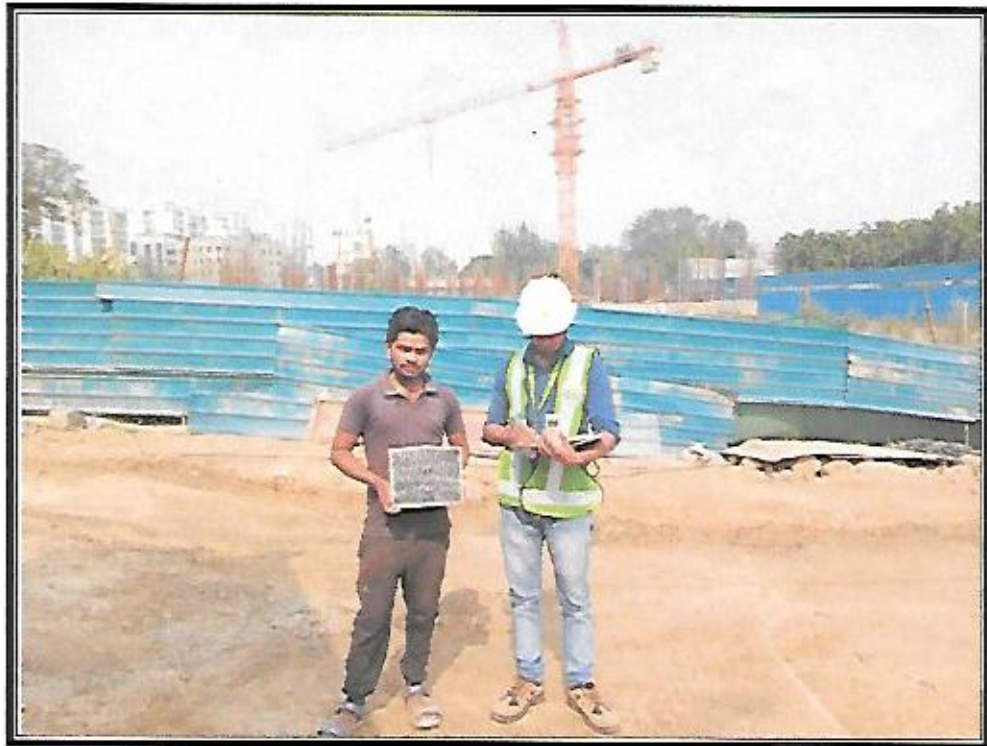
S. No.	Parameter	Test-Method	Result	Unit
1.	pH (at 25 <sup>0</sup> C)	IS : 2720 (P-26) by pH Meter	7.58	--
2.	Conductivity	IS:14767 by Conductivity meter	0.278	mS/cm
3.	Soil Texture	IS : 2720 (P-22, RA2003)	Silty Loam	--
4.	Color	SOP , SP-78,Issue No.-01& Issue Date-14/02/2013	Yellowish	--
5.	Water holding capacity	SOP , SP-81,Issue No.-01& Issue Date-14/02/2013	30.64	%
6.	Bulk density	SOP , SP-80,Issue No.-01& Issue Date-14/02/2013	1.84	gm/cc
7.	Chloride as Cl	SOP , SP-85,Issue No.-01& Issue Date-14/02/2013	48.32	mg/100g
8.	Calcium as Ca	SOP , SP-82,Issue No.-01& Issue Date-14/02/2013	31.58	mg/100g
9.	Sodium as Na	SOP , SP-84,Issue No.-01& Issue Date-14/02/2013	41.12	mg/kg
10.	Potassium as K	SOP , SP-84,Issue No.-01& Issue Date-14/02/2013	89.51	kg/hect.
11.	Organic Matter	IS:2720 (P-22) Titrimetric Method	0.63	%
12.	Magnesium as Mg	SOP , SP-83,Issue No.-01& Issue Date-14/02/2013	10.71	mg/100g
13.	Available Nitrogen as N	IS:14684 Distillation Method	213.43	kg./hect.
14.	Available Phosphorus	SOP , SP-86,Issue No.-01& Issue Date-14/02/2013	25.38	kg./hect.
15.	Zinc (as Zn)	USEPA 3050B	4.65	mg/kg
16.	Manganese (as Mn )	USEPA 3050B	0.83	mg/kg
17.	Lead (as Pb)	USEPA 3050B	0.72	mg/kg
18.	Cadmium (as Cd )	USEPA 3050B	0.73	mg/kg
19.	Chromium (as Cr)	USEPA 3050B	0.88	mg/kg
20.	Copper (as Cu )	USEPA 3050B	2.32	mg/kg

### 3.4.4 Discussion on Soil Characteristics in the Study Area

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



Ambient air monitoring



Ambient noise monitoring





Soil sampling



Water sampling



## HARYANA STATE POLLUTION CONTROL BOARD

Ballabhgarh Sec.16-A, Opp. Hewo Apartment,  
Faridabad Ph 0129-2225314

Website: [www.hspcb.gov.in](http://www.hspcb.gov.in) E-Mail - [hspcb.pki@sifymail.com](mailto:hspcb.pki@sifymail.com)

Telephone No.: 0172-2577870-73



No. HSPCB/Consent/ : 313116318FDBBCTE5639394

Dated:26/09/2018

To.

M/s : Group Housing Project M/s Ajay Enterprises Pvt. Ltd.  
VILLAGE LAKKARPUR, SECTOR 39, DISTRICT FARIDABAD  
FARIDABAD  
121001

**Sub. : Grant of consent to Establish to M/s Group Housing Project M/s Ajay Enterprises Pvt. Ltd.**

Please refer to your application no. 5639394 received on dated 2018-09-07 in regional office Ballabhgarh.

With reference to your above application for consent to establish, M/s Group Housing Project M/s Ajay Enterprises Pvt. Ltd. is here by granted consent as per following specification/Terms and conditions.

Consent Under	AIR/WATER
Period of consent	26/09/2018 - 25/09/2023
Industry Type	Building and construction project having quantity of waste water generation 10 KLD to 100 KLD
Category	ORANGE
Investment(In Lakh)	6913.79004
Total Land Area (Sq. meter)	10610.84
Total Builtup Area (Sq. meter)	35715.793
<b>Quantity of effluent</b>	
1. Trade	0.0 KL/Day
2. Domestic	55.0 KL/Day
Number of outlets	1.0
<b>Mode of discharge</b>	
1. Domestic	treated effluent will be recycled to achieve zero
2. Trade	-
<b>Permissible Domestic Effluent Parameters</b>	
1. BOD	30 mg/l
2. COD	250 mg/l
3. TSS	100 mg/l
4. O & G	10 mg/l

5. pH	5.5.9.0 -
6. Ammonical Nitrogen	50 mg/l
<b>Permissible Trade Effluent Parameters</b>	
1. NA	0 mg/l
Number of stacks	2
<b>Height of stack</b>	
1. Stack attached to DG set no. 1 (400 KVA)	49.13 Meter
2. Stack attached to DG set no. 2 (400 KVA)	49.13 Meter
<b>Permissible Emission parameters</b>	
1. NA	0
<b>Capacity of boiler</b>	
1. NA	0 Ton/hr
<b>Type of Furnace</b>	
1. NA	0.0
<b>Type of Fuel</b>	
1. Diesel	0.120 Kl/day

## HARYANA STATE

Regional Officer, Ballabhgarh

Haryana State Pollution Control Board.

### Terms and conditions

1. The industry has declared that the quantity of effluent shall be 55 KL/Day i.e 0KL/Day for Trade Effluent, 0 KL/Day for Cooling, 55 KL/Day for Domestic and the same should not exceed .
  2. The above 'Consent to Establish' is valid for 60 months from the date of its issue to be extended for another one year at the discretion of the Board or till the time the unit starts its trial production whichever is earlier. The unit will have to set up the plant and obtain consent during this period.
  3. The officer/official of the Board shall have the right to access and inspection of the industry in connection with the various processes and the treatment facilities being provided simultaneously with the construction of building/machinery. The effluent should conform the effluent standards as applicable
  4. That necessary arrangement shall be made by the industry for the control of Air Pollution before commissioning the plant. The emitted pollutants will meet the emission and other standards as laid/will be prescribed by the Board from time to time.
  5. The applicant will obtain consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21/22 of the Air (Prevention & Control of Pollution) Act, 1981 as amended to-date-even before starting trial production
  6. The above Consent to Establish is further subject to the conditions that the unit complies with all the laws/rules/decisions and competent directions of the Board/Government and its functionaries in all respects before commissioning of the operation and during its actual working strictly.
- 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 owning and operating such public sewer giving permission letter to his unit shall be submitted at time of consent to operate.
15. That if at any time, there is adverse report from any adjoining neighbor or any other aggrieved party or Municipal Committee or Zila Parishad or any other public body against the unit's pollution; the Consent to Establish so granted shall be revoked.
16. That all the financial dues required under the rules and policies of the Board have been deposited in full by the unit for this Consent to Establish.
17. In case of change of name from previous Consent to Establish granted, fresh Consent to Establish fee shall be levied.
18. Industry should adopt water conservation measures to ensure minimum consumption of water in their Process. Ground water based proposals of new industries should get clearance from Central Ground Water Authority for scientific development of previous resource.
19. That the unit will take all other clearances from concerned agencies, whenever required.
20. That the unit will not change its process without the prior permission of the Board.
21. That the Consent to Establish so granted will be invalid, if the unit falls in Aravali Area or non conforming area.
22. That the unit will comply with the Hazardous Waste Management Rules and will also make the non-leachate pit for storage of Hazardous waste and will undertake not to dispose off the same except for pit in their own premises or with the authorized disposal authority.
23. That the unit will submit an undertaking that it will comply with all the specific and general conditions as imposed in the above Consent to Establish within 30 days failing which Consent to Establish will be revoked.
24. That unit will obtain EIA from MoEF, if required at any stage.
25. In case of unit does not comply with the above conditions within the stipulated period, Consent to Establish will be revoked.

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

**Specific Conditions**

**Other Conditions :**

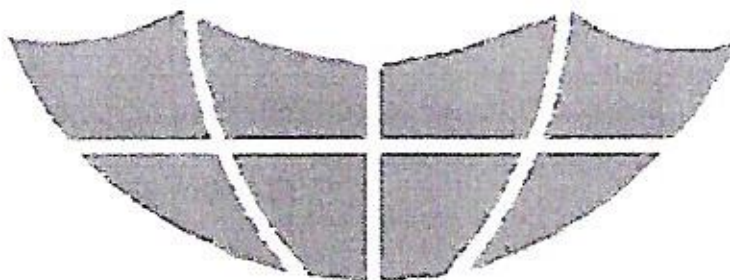
1. The unit will take consent to operate before the occupation of the project. 2. The unit will install the project only on the land for which Town and Country Planning Department has given licensee. 3. The unit will comply all the terms and conditions of the Environmental Clearance granted by the SEIAA, Haryana. 4. Unit will obtain prior NOC/Permission from central Ground Water Authority in case under ground water resource is used. 5. The NOC is valid only for such land within this project which is under ownership of project proponent. 6. The unit will install adequate acoustic enclosures/chambers on their DG SETS with proper stack height as per prescribed norms to meet the prescribed standards under EP Rules, 1986. 7. The unit will install the adequate sewage treatment plant to meet the standards prescribed under EP Rules 1986 including odour and treated effluent will be recycled to achieve zero exit discharge. And also comply the conditions specially as mentioned at point no. b, c & d for the operational phase.

SANDEEP SINGH Digitally signed by SANDEEP SINGH  
Date: 2018.09.26 14:10:03 +05'30'

*Regional Officer, Ballabgarh*

*Haryana State Pollution Control Board.*

HARYANA STATE



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## Test Report

Sample Number : VEL/A/1909170030

Name & Address of the Party : M/s Ajay Enterprises Pvt. Ltd.

8th Floor, Eros Corporate Tower, Nehru Place New  
 Delhi . Project Name - Grouping Housing Project  
 Located at Village-Lakkarpur, Sector-39,  
 Faridabad-Ballaahgarh Complex Haryana

Sample Description : AMBIENT AIR

Report No. : VEL/A/1909170030

Format No : 7.8 F-01

Party Reference No : Nil

Reporting Date : 21/09/2019

Period of Analysis : 17/09/2019-19/09/2019

Receipt Date : 17/09/2019

### General Information

Sampling Location : Near Main Gate  
 Sample Collected by : VEL Representative  
 Sampling Equipment used : RDS & FPS  
 Instrument Code : VEL/RDS/FPS/12  
 Instrument Calibration Status : Calibrated  
 Meteorological condition during monitoring : Clear Sky  
 Date of Monitoring : 16/09/2019 To 17/09/2019  
 Time of Monitoring : 09:20 AM To 09:20 AM  
 Ambient Temperature (°C) : Min.23°C Max.32°C  
 Surrounding Activity : Human, Vehicular & Other Activities  
 Scope of Monitoring : Regulatory Requirement  
 Sampling & Analysis Protocol : IS : 5182  
 Sampling Duration : 24 Hours  
 Parameter Required : PM10, PM2.5, NO2, SO2, CO

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
1	Particulate Matter (as PM -10)	IS:5182 (P-23), Gravimetric Method, RA:2006	78.37	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM - 2.5)	SOP No. VEL/SOP/01, Section No. SP 63:2013	41.57	µg/m <sup>3</sup>	60
3	Nitrogen Dioxides (as NO2)	IS:5182 (P-6), Jacob & Hochheiser, RA:2006	19.56	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P-2), Modified West and Gaeke, RA:2012	13.63	µg/m <sup>3</sup>	80
5	Carbon Monoxide (as CO)	IS:5182 (P-10) Gas Chromatography, RA:2003	0.84	mg/m <sup>3</sup>	4.0

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

Ruchi Chaudhary

(Tested By)

Analyst



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## Test Report

Sample Number : VEL/A/1909170031

Report No. : VEL/A/1909170031

Name & Address of the Party : M/s Ajay Enterprises Pvt. Ltd.

Format No : 7.8 F-01

8th Floor, Eros Corporate Tower, Nehru Place New  
 Delhi, Project Name - Grouping Housing Project  
 Located at Village-Lakkarpur, Sector-39,  
 Faridabad-Ballaahgarh Complex Haryana

Party Reference No : Nil

Reporting Date : 21/09/2019

Period of Analysis : 17/09/2019-19/09/2019

Receipt Date : 17/09/2019

Sample Description : AMBIENT AIR

### General Information

Sampling Location : Center Site of Project  
 Sample Collected by : VEL Representative  
 Sampling Equipment used : RDS & FPS  
 Instrument Code : VEL/RDS/FPS/13  
 Instrument Calibration Status : Calibrated  
 Meteorological condition during monitoring : Clear Sky  
 Date of Monitoring : 16/09/2019 To 17/09/2019  
 Time of Monitoring : 09:40 AM To 09:40 AM  
 Ambient Temperature (°C) : Min.23°C Max.32°C  
 Surrounding Activity : Human, Vehicular & Other Activities  
 Scope of Monitoring : Regulatory Requirement  
 Sampling & Analysis Protocol : IS : 5182  
 Sampling Duration : 24 Hours  
 Parameter Required : PM10, PM2.5, NO2, SO2, CO

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
1	Particulate Matter (as PM -10)	IS:5182 (P-23), Gravimetric Method, RA:2006	83.7	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM - 2.5)	SOP No. VEL/SOP/01, Section No. SP 63:2013	44.6	µg/m <sup>3</sup>	60
3	Nitrogen Dioxides (as NO2)	IS:5182 (P-6), Jacob & Hochheiser, RA:2006	20.2	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P-2), Modified West and Gaeke, RA:2012	12.4	µg/m <sup>3</sup>	80
5	Carbon Monoxide (as CO)	IS:5182 (P-10) Gas Chromatography, RA:2003	0.96	mg/m <sup>3</sup>	4.0

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

  
 (Tested By)





## Test Report

Sample Number : VEL/A/1909170032

Name & Address of the Party : M/s Ajay Enterprises Pvt. Ltd.

8th Floor, Eros Corporate Tower, Nehru Place New  
 Delhi, Project Name - Grouping Housing Project  
 Located at Village -Lakkarpur, Sector-39,  
 Faridabad-Ballaahgarh Complex Haryana

Sample Description : AMBIENT AIR

Report No. : VEL/A/1909170032

Format No : 7.8 F-01

Party Reference No : Nil

Reporting Date : 21/09/2019

Period of Analysis : 17/09/2019-19/09/2019

Receipt Date : 17/09/2019

### General Information

Sampling Location : Back Site of Project  
 Sample Collected by : VEL Representative  
 Sampling Equipment used : RDS & FPS  
 Instrument Code : VEL/RDS/FPS/14  
 Instrument Calibration Status : Calibrated  
 Meteorological condition during monitoring : Clear Sky  
 Date of Monitoring : 16/09/2019 To 17/09/2019  
 Time of Monitoring : 10:00 AM To 10:00 AM  
 Ambient Temperature (°C) : Min 23°C Max 32°C  
 Surrounding Activity : Human, Vehicular & Other Activities  
 Scope of Monitoring : Regulatory Requirement  
 Sampling & Analysis Protocol : IS : 5182  
 Sampling Duration : 24 Hours  
 Parameter Required : PM10, PM2.5, NO2, SO2, CO

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
1	Particulate Matter (as PM -10)	IS:5182 (P-23), Gravimetric Method, RA:2006	82.8	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM - 2.5)	SOP No. VEL/SOP/01, Section No. SP 63:2013	43.7	µg/m <sup>3</sup>	60
3	Nitrogen Dioxides (as NO2)	IS:5182 (P-6), Jacob & Hochhelser, RA:2006	20.4	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P-2), Modified West and Gaeke, RA:2012	11.6	µg/m <sup>3</sup>	80
5	Carbon Monoxide (as CO)	IS:5182 (P-10) Gas Chromatography, RA:2003	0.82	mg/m <sup>3</sup>	4.0

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

  
 Ruchi Chaudhary  
 (Tested By)

Analyst







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## Test Report

Sample Number : VEL/N/1909170049

Name & Address of the Party : M/s Ajay Enterprises Pvt. Ltd

8th Floor, Eros Corporate Tower, Nehru Place New  
 Delhi, Project Name - Grouping Housing Project  
 Located at Village-Lakkarpur, Sector-39,  
 Faridabad-Ballaahgarh Complex Haryana

Sample Description : AMBIENT NOISE

Report No. : VEL/N/1909170049

Format No : 7 8 F-01

Party Reference No : Nil

Reporting Date : 21/09/2019

Period of Analysis : 17/09/2019-19/09/2019

Receipt Date : 17/09/2019

### General Information

Sampling Location : Center site of Project  
 Sample Collected by : VEL Representative  
 Sampling Equipment used : Sound Level Meter  
 Instrument Code : VEL/SLM/15  
 Instrument Calibration Status : Calibrated  
 Meteorological condition during monitoring : Clear Sky  
 Date of Monitoring : 16/09/2019 To 17/09/2019  
 Time of Monitoring : 06:00 AM To 06:00 AM  
 Ambient Temperature (°C) : Min.23°C Max.32°C  
 Surrounding Activity : Human, Vehicular & Other Activities  
 Scope of Monitoring : Regulatory Requirement  
 Sampling & Analysis Protocol : CPCB  
 Sampling Duration : 24 Hours  
 Parameter Required : Lmax, Lmin, Leq

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)	
1	Lmax.	IS-9989	61.3	49.5	dB (A)
2	Lmin.	IS-9989	45.4	36.2	dB (A)
3	Leq	IS-9989	54.8	41.6	dB (A)
4	CPCB Limits in dB(A*) Leq (Residential Area)	--	55.00	45.00	dB (A)

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

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

  
 (Tested By)

Analyst



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## Test Report

Sample Number : VEL/N/1909170048

Report No. : VEL/N/1909170048

Name & Address of the Party : M/s Ajay Enterprises Pvt. Ltd.

Format No : 7.8 F-01

8th Floor, Eros Corporate Tower, Nehru Place New  
 Delhi, Project Name:-Grouping Housing Project  
 Located at Village-Lakkarpur, Sector-39,  
 Faridabad-Ballaahgarh Complex Haryana

Party Reference No : Nil

Reporting Date : 21/09/2019

Period of Analysis : 17/09/2019-19/09/2019

Receipt Date : 17/09/2019

Sample Description : AMBIENT NOISE

### General Information

Sampling Location : Near Main Gate  
 Sample Collected by : VEL Representative  
 Sampling Equipment used : Sound Level Meter  
 Instrument Code : VEL/SLM/14  
 Instrument Calibration Status : Calibrated  
 Meteorological condition during monitoring : Clear Sky  
 Date of Monitoring : 16/09/2019 To 17/09/2019  
 Time of Monitoring : 06:00 AM To 06:00 AM  
 Ambient Temperature (°C) : Min 23°C Max.32°C  
 Surrounding Activity : Human, Vehicular & Other Activities  
 Scope of Monitoring : Regulatory Requirement  
 Sampling & Analysis Protocol : CPCB  
 Sampling Duration : 24 Hours  
 Parameter Required : Lmax, Lmin, Leq

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)	
1	Lmax.	I S-9989	64.4	50.4	dB (A)
2	Lmin.	I S-9989	38.5	34.6	dB (A)
3	Leq	I S-9989	49.6	37.9	dB (A)
4	CPCB Limits in dB(A*) Leq (Residential Area)	---	55.00	45.00	dB (A)

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

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

  
 Rishi Chaudhary  
 (Signed By)

Analyst



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## Test Report

Sample Number : VEL/N/1909170050

Report No. : VEL/N/1909170050

Name & Address of the Party : M/s Ajay Enterprises Pvt. Ltd.  
 8th Floor, Eros Corporate Tower, Nehru Place New  
 Delhi, Project Name:- Grouping Housing Project  
 Located at Village-Lakkarpur, Sector-39,  
 Faridabad-Ballaahgarh Complex Haryana

Format No : 7.8 F-01  
 Party Reference No : Nil  
 Reporting Date : 21/09/2019  
 Period of Analysis : 17/09/2019-19/09/2019  
 Receipt Date : 17/09/2019

Sample Description : AMBIENT NOISE

### General Information

Sampling Location : Back site of Project  
 Sample Collected by : VEL Representative  
 Sampling Equipment used : Sound Level Meter  
 Instrument Code : VEL/SLM/16  
 Instrument Calibration Status : Calibrated  
 Meteorological condition during monitoring : Clear Sky  
 Date of Monitoring : 16/09/2019 To 17/09/2019  
 Time of Monitoring : 06:00 AM To 06:00 AM  
 Ambient Temperature (°C) : Min.23°C Max.32°C  
 Surrounding Activity : Human, Vehicular & Other Activities  
 Scope of Monitoring : Regulatory Requirement  
 Sampling & Analysis Protocol : CPCB  
 Sampling Duration : 24 Hours  
 Parameter Required : Lmax., Lmin., Leq

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)	
1	Lmax.	IS-9989	62.6	51.4	dB (A)
2	Lmin.	IS-9989	45.7	35.3	dB (A)
3	Leq	IS-9989	52.2	39.7	dB (A)
4	CPCB Limits in dB(A*) Leq (Residential Area)	--	55.00	45.00	dB (A)

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

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

  
 (Tested By)

Analyst



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## Test Report

Sample Number : VEL/W/1909170025

Report No. : VEL/W/1909170025

Name & Address of the Party : M/s Ajay Enterprises Pvt. Ltd.  
 8th Floor, Eros Corporate Tower, Nehru Place New  
 Delhi, Project Name:- Grouping Housing Project  
 Located at Village-Lakkarpur, Sector-39,  
 Faridabad-Ballaahgarh Complex Haryana

Format No : 7.8 F-01  
 Party Reference No : Nil  
 Reporting Date : 21/09/2019  
 Period of Analysis : 17/09/2019-21/09/2019  
 Receipt Date : 17/09/2019  
 Sampling Date : 17/09/2019  
 Sampling Quantity : 2.0 Ltr.  
 Sampling Type : Grab

Sample Description : Ground Water Sample  
 Location : Near Project Site  
 Sample Collected by : VEL Representative  
 Preservation : Refrigerated  
 Sampling and Analysis Protocol : APHA & IS

S.No.	Test Parameters	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limits	Permissible Limits
1	pH (at 25°C)	APHA 4500 H+B Electrometric Method:2017	7.68	--	6.5 to 8.5	No Relaxation
2	Colour	APHA 2120 B Visual Comparison Method:2017	*BDL(**DL 5Hazen)	Hazen	5	15
3	Turbidity	APHA 2130 B Nephelometric Method:2017	*BDL(**DL 0.1NTU)	NTU	1	5
4	Odour	APHA 2150 B Threshold Odour Method:2017	Agreeable	--	Agreeable	Agreeable
5	Taste	APHA 2160 B Flavor Threshold Test Method:2017	Agreeable	--	Agreeable	Agreeable
6	Total Hardness (as CaCO <sub>3</sub> )	APHA 2340 C EDTA Titrimetric Method:2017	178.00	mg/l	200	600
7	Calcium (as Ca)	APHA 3500 Ca B EDTA Titrimetric Method:2017	40.94	mg/l	75	200
8	Alkalinity (as CaCO <sub>3</sub> )	APHA 2320 B Titration Method:2017	173.17	mg/l	200	600
9	Chloride (as Cl)	APHA 4500 Cl B Argentometric Method:2017	70.17	mg/l	250	1000
10	Cyanide (as CN)	APHA 4500 CN D Titrimetric Method:2017	*BDL(**DL-0.0 5 mg/L)	mg/l	0.05	No Relaxation
11	Magnesium (as Mg)	APHA 3500 Mg B Calculation Method:2017	18.81	mg/l	30	100
12	Total Dissolved Solids	APHA 2540 C Gravimetric Method:2017	370.00	mg/l	500	2000
13	Sulphate (as SO <sub>4</sub> )	APHA 4500 E Turbidimetric Method:2017	10.65	mg/l	200	400
14	Fluoride (as F)	APHA 4500 F D Spands Method:2017	0.53	mg/l	1.0	1.5
15	Nitrate (as NO <sub>3</sub> )	IS 3025 (P-34), Chromotropic	5.12	mg/l	45.0	No Relaxation

MEGNI KAUSHIK

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## Test Report

Sample Number : VEL/W/1909170025

Report No. : VEL/W/1909170025

S.No.	Test Parameters	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limits	Permissible Limits
15		Method, RA:2003				
16	Iron (as Fe)	APHA 3500 Fe B 1,10 Phenanthroline Method:2017	0.14	mg/l	0.3	No Relaxation
17	Aluminium (as Al)	APHA 3111 D Direct Nitrous oxide Acetylene Flame Method:2017	*BDL(**DL-0.02 mg/L)	mg/l	0.03	0.2
18	Boron (as B)	APHA 4500 C Carmine Method:2017	*BDL(**DL-0.1 mg/L)	mg/l	0.5	1.0
19	Total Chromium (as Cr)	APHA 3111 B Direct Acetylene Flame Method:2017	*BDL(**DL-0.03 mg/L)	mg/l	0.05	No Relaxation
20	Phenolic Compounds (C6H5OH)	APHA 5530 C Chloroform Extraction Method:2017	*BDL(**DL-0.001 mg/L)	mg/l	0.001	0.002
21	Mineral Oil	APHA 5520 C Partition Infra Red:2017	*BDL(**DL-0.5 mg/L)	mg/l	0.5	No Relaxation
22	Anionic Detergents (as MBAS)	APHA 5540 C MBAS Method:2017	*BDL(**DL-0.02 mg/L)	mg/l	0.2	1.0
23	Zinc (as Zn)	APHA 3111 B Direct Acetylene Flame Method:2017	0.42	mg/l	5.0	15.0
24	Copper (as Cu)	APHA 3111 B Direct Acetylene Flame Method:2017	0.23	mg/l	0.05	1.5
25	Manganese (as Mn)	APHA 3111 B Direct Acetylene Flame Method:2017	*BDL(**DL-0.06 mg/L)	mg/l	0.1	0.3
26	Cadmium (as Cd)	APHA 3111 B Direct Acetylene Flame Method:2017	*BDL(**DL-0.003 mg/L)	mg/l	0.003	No Relaxation
27	Lead (as Pb)	APHA 3111 B Direct Acetylene Flame Method:2017	*BDL(**DL-0.01 mg/L)	mg/l	0.01	No Relaxation
28	Selenium (as Se)	APHA 3114 B AAS Method	*BDL(**DL-0.01 mg/L)	mg/l	0.01	No Relaxation
29	Arsenic (as As)	APHA 3114 B AAS Method	*BDL(**DL-0.01 mg/L)	mg/l	0.01	0.05
30	Mercury (as Hg)	APHA 3112 B Cold Vapor AAS Method:2017	*BDL(**DL-0.001 mg/L)	mg/l	0.001	No Relaxation
31	Total Coliform	IS 1622:1981 (RA-2019)	<2	MPN/100 ml	Shall not be detectable in any 100 ml sample	--
32	E.Coli	IS 1622:1981 (RA-2019)	Absent	MPN/100 ml	Shall not be detectable in any 100 ml sample	--

MEENU KAUSHIK  
 Senior Analyst



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 d) This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law

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Laboratory: Plot No. 24 & 25, Narayan Vihar, B-Block, Jaipur - 302035 (Rajasthan)  
 Corp. Off : Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)  
 NABL Accredited | ISO 9001|ISO 14001|OHSAS 18001

## Test Report

Sample Number :	VEL/SO/1909170011	Report No. :	VEL/SO/1909170011
Name & Address of the Party :	M/s Ajay Enterprises Pvt. Ltd. 8th Floor, Eros Corporate Tower, Nehru Place New Delhi, Project Name:-Grouping Housing Project Located at Village-Lakkarpur, Sector-39, Faridabad-Ballaahgarh Complex Haryana	Format No :	7.8 F-01
Sample Description :	SOIL	Party Reference No :	Nil
Location :	Near Project Site	Reporting Date :	21/09/2019
Sample Collected by :	VEL Representative	Period of Analysis :	17/09/2019-21/09/2019
Parameter Required :	As per work order	Receipt Date :	17/09/2019
Sampling and Analysis Protocol :	IS 2720, APHA & USDA	Sampling Date :	17/09/2019
		Sampling Quantity :	2.0 Kg.
		Sampling Type :	Composite
		Packing Status :	Temp Sealed

S.No.	Parameters	Test Method	Results	Units
1	pH (at 25°C)	IS : 2720 (P-26) By pH Meter, RA:2011	7.58	-
2	Electrical Conductivity	IS:14767, By Conductivity Meter, RA:2006	0.278	mS/cm
3	Colour	SOP, SP-85, Issue No.01:2013	Yellowish	-
4	Water holding capacity	SOP, SP-81, Issue No.01:2013	30.64	%
5	Bulk density	SOP, SP-80, Issue No.01:2013	1.84	gm/cc
6	Chloride	SOP, SP-85, Issue No.01:2013	48.32	mg/kg
7	Calcium (as Ca)	SOP, SP-82, Issue No.01:2013	31.58	mg/kg
8	Sodium (as Na)	SOP, SP-84, Issue No.01:2013	41.12	mg/kg
9	Potassium (as K)	SOP, SP-84, Issue No.01:2013	89.51	mg/kg
10	Organic Matter	IS:2720 (P-22), Titrimetric Method, RA:2009	0.63	%
11	Magnesium (as Mg)	SOP, SP-83, Issue No.01:2013	10.71	mg/kg
12	Available Nitrogen (as N)	IS:14648, Distillation Method, RA:2006	213.43	kg./hec
13	Phosphorus	SOP, SP-86, Issue No.01:2013	25.38	kg./hec.
14	Total Zinc (as Zn)	USEPA 3050 B:1996	4.65	mg/kg
15	Total Manganese (as Mn)	USEPA 3050 B:1996	0.83	mg/kg
16	Total Chromium (as Cr)	USEPA 3050 B:1996	0.88	mg/kg
17	Total Lead (as Pb)	USEPA 3050 B:1996	0.72	mg/kg
18	Total Cadmium (as Cd)	USEPA 3050 B:1996	0.73	mg/kg
19	Total Copper (as Cu)	USEPA 3050 B:1996	2.35	mg/kg
20	Soil Texture	IS:2720 (P-4) RA:2006	Silty Loam	--

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

MEENUL KAUSHIK  
 (Tested By)  
 Senior Analyst



Page No 1/1

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NOTE: a) The results listed refer only to the tested samples & applicable parameters  
 b) Total liabilities of our lab will be restricted to the invoice amount only  
 c) The sample will be destroyed after retention time unless otherwise specified  
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From: Divisional Forest Officer,  
Faridabad, Haryana.

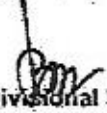
To: M/s AJAY ENTERPRISED PRIVATE LIMITED,  
BUILDERS, COLONIZERS & EXHIBITORS,  
8<sup>TH</sup> Floor, Eros Corporate Tower,  
Nehru Place, New Delhi-110019

Sub.: Clarification regarding Applicability of forest laws on Non Forest land Applied by M/s AJAY ENTERPRISED PRIVATE LIMITED, New Delhi-110020 located at Village Lakarpur, District Faridabad

Applicant M/s AJAY ENTERPRISED PRIVATE LIMITED, New Delhi vide letter dated 15-2-2013 made a request in connection with land measuring 21 kanals and 6 marlas having Rect. No. 17 killa no. 19/1 (6-15), 21 (6-7), 22/1 (6-7) and Rect no. 28 killa no.1/2 (5-3) and 10/1/1 (2-14) land located at village Larkapur District Faridabad. Applicant made a proposal to use this land for Group Housing. In continuation of report submitted by RFO, Faridabad vide Letter No. 35 dated 3-4-2013 it is made clear that:

- As per records available above said land is not part of notified Reserved Forest, Protected Forest under Indian Forest Act, 1927. The above land falls under General section 4 of Punjab Land Preservation Act, 1900.
- It is clarified that by the Notification No. S.O.8/PA.2/1900/S.4/2013 dated 4th January, 2013, all Revenue Estate of Faridabad is notified u/s 4 of PLPA 1900 and S.O.81/PA.2/1900/S.3/2012 dated 19th December, 2012 u/s 3 of PLPA 1900. The area is however not recorded as forest in the Government record but felling of any tree is strictly prohibited without the permission of Divisional Forest Officer, Faridabad.
- 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 AJAY ENTERPRISED PRIVATE LIMITED, New Delhi, whose land is located at village Lakarpur tehsil and district Faridabad must obtain clearance as applicable under Forest Conservation Act 1980.
- As per the records available with the Forest Department, Faridabad, the area does not fall in areas where plantations were raised by the Forest Department under Aravalli project.
- All other statutory clearances mandated under the Environment Protection Act, 1986, as per the notification of Ministry of Environment and Forests, Government of India, dated 07-05-1992 or any other Act/order shall be obtained as applicable by the project proponents from the concerned authorities.
- The project proponent will not violate any Judicial Order/ direction issued by the Hon'ble Supreme Court/ High Courts.
- It is clarified that the Hon'ble Supreme Court has issued various judgments dated 07.05.2002, 29.10.2002, 16.12.2002, 18.03.2004, 14-5.2008 etc. pertaining to Aravalli region in Haryana, which should be complied with.
- It shall be the responsibility of user agency/applicant to get necessary clearances/permissions under various Acts and Rules applicable if any, from the respective authorities/Department.

Date.  
Place.

  
Divisional Forest Officer,  
Faridabad.

Endst.No.

Dated:

1. A copy is forwarded to Conservator of Forests, South Circle, Gurgaon for Kind information.
2. A copy is forwarded to Range Forest Officer, Faridabad for kind information

-Set-  
Divisional Forest Officer,  
Faridabad

Annexure - 4

**From** Director General  
Fire Service, Haryana Panchkula  
**To** M/s Ms Ajay Enterprises Pvt Ltd  
8 th floor EROS Corporate Tower Nehru Place New Delhi  
Memo No. FS/2018/134 dated : 28/11/2018

**Subject :** Approval of fire fighting scheme 15 mtrs. and Above from the fire safety point of view for Group A- Residential Building at Village Lakkarpur Sector 39 District Faridabad Haryana of Ms Ajay Enterprises Pvt. Ltd. :

Reference your Transaction Id 030151823000369 dated: 11/09/2018 on the subject cited above.

Your case for the approval of fire fighting scheme has been examined by the team of Fire Station Officers, Faridabad. . The Fire fighting scheme is found as per the National Building Code of India Part IV guidelines. Therefore your proposed fire fighting scheme is hereby approved as per following detail from the fire safety point of view with the following conditions:-

Tower Name	Floor Detail	Terrace Height of Last Livable Floor(In Meters)	Ground Coverage
Tower no. 1	S+08	29.50	1135.207
Tower no. 2	S+11	38.95	1135.207
EWS Block	G+03	12.41	105.969
Shops	Ground Floor	4.00	52.9842

Tower Name	Basement Level	Basement Area	Basement Remarks
	1 st	6504.434	--
	2 nd	6504.434	--

- 1) The proposed fire fighting scheme is approved as submitted in the building plan subject to the approval of building plan by the competent authority .
- 2) The approval of fire scheme by this office doesn't absolve the firm from his responsibility from all consequences. in case of fire due to any deficiencies or anything left out in the scheme submitted by you.
- 3) Overhead & underground water tanks provided for firefighting shall be so constructed in such a way that the domestic water tank shall filled from overflow of the fire Water tanks.
- 4) As soon as the installations of fire fighting arrangements are completed, the same may be got inspected/ tested and clearance should be obtained from this office.
- 5) If the infringement of Byclaws remains un- noticed the Authority reserves the right to amend the Plans/Fire Fighting Scheme as and when any such infringement comes to notice after giving an opportunity of being heard and the Authority shall stand Indemnified against any claim on this account.
- 6) If you fail to comply with any of the above terms & conditions you will be liable to be punished as per Chapter-III Section 31 Sub-Section 1 & 2 of Fire Act 2009 i.e. imprisonment for a term which may extend to three month or fine which may extend to five thousand rupees or both.
- 7) The staircase shall be made with the specified material enabling it non-slippery.
- 8) If the gap between ceiling and false ceiling is more than 800 mm then upright sprinkler and detectors above false ceiling & pendant sprinkler below false ceiling shall be installed in the building

**Remarks:- Application Updated**



Deputy Director (Technical)-I,  
for Director General, Fire  
Service, Haryana  
Panchkula



Digitally signed by Sumesh Kumar  
Date: 2018.11.28 17:27:27 +05:30  
Reason: Digital Verification



Annexure - 5

**FORMPIM-6**

( See rule 32(2) )

Standard for permits for the grant of permission for disposal of mineral extracted incidental to Development activities  
Memo No. Admn/Fbd/Mining/STP/

Dated:-

Whereas M S Ajay Enterprises Pvt Ltd O/O 8<sup>th</sup> Floor Eros Corporate Tower Nehru Place New Delhi . Authorized signatory Sh. J. Sehgal. has applied for the grant of a short term permit under rule 27 to 35 of the Haryana Minor Mineral Concession, Stocking & Transportation of Minerals and Prevention of Illegal Mining Rules, 2012, for disposal of 91795 M.T. of Ordinary Clay (Name of minor minerals) from excavated/removed from Sector- 39 Lakker Pur Village Chann wood Dist. Faridabad . As per approved Building-Plan ( details of areas incidental to their development project of basement for construction of Group Housing measuring area 2.662 acres . The applicant has/have paid royalty in advance amount to Rs. 4,02,562/- DD No. 118477 dt. 24.10.2018; Rs. Four lacs two thousand five hundred sixty two only ) & along with application fees, and security Rs. 201282/- Vide DD No.118478 dt. 24/10/2018 (50% of the amount of royalty)

- The permission is hereby granted for disposal of the mineral 91795 M.T. Ordinary Clay excavated removed from the aforesaid area subject to the conditions that the permit holder will abide by the safety guards for such excavate or removal
- The permit holder shall transport/dispose off the Mineral from the site of the excavation, only by issuing a Mineral Transit Pass
- The amount of security deposit shall entail no interest . The security amount shall be refunded within a period of three months in case the same is not forfeited or required to be detained for any other purpose under this permit.
- Any sum due from the permit holder shall be recovered from him as an arrear of land Revenue

The permission shall be valid up to 27-10-2018 to 25-12-2018

Assistant Mining Engineer,  
Deptt. Of Mines & Geology,  
Faridabad (Haryana)

Dated 24/10/2018

Instt No. AML/FBD/STP/91/2679

A copy is forwarded to the following for information & necessary action :-

- Deputy Commissioner, Faridabad
- S/O Sec 39, Suraj Kund, Faridabad

*Sanjay*  
Assistant Mining Engineer,  
Deptt. Of Mines & Geology,  
Faridabad (Haryana)