

EMAAR

INDIA

Date: 15.05.2021

Dr. Vimal Kumar Hatwal
Joint Director
Ministry of Environment, Forests & Climate Change
Northern Regional Office
Bays No. 24-25, Sector 31-A
Dakshin Marg, Chandigarh-160030

Subject: Construction of proposed Residential Plotted Colony located at Village Badshahpur, Maidawas, Nangli Umarpur, Sector-62 & 65, Gurgaon, Haryana by M/s Emaar India Limited – Submission of Six-monthly Compliance Report – June 2021.

Ref.: Environment Clearance Letter No. SEIAA/HR/2015/35 dated 05.01.2015

Dear Sir,

With regards to the above-mentioned subject and reference, we are hereby submitting soft copy of six-monthly Compliance Report for our proposed Residential Plotted Colony located at Village Badshahpur, Maidawas, Nangli Umarpur, Sector-62 & 65, Gurgaon for the month of **June 2021**.

We hope the above meets your requirement.

Thanks and Regards,

For M/S EMAAR INDIA LIMITED



(Authorized Signatory)

Encl: As stated

- CC:**
1. State Environmental Impact Assessment Authority, Bay No. 55-58, Paryatan Bhawan, Sector-2, Panchkula, Haryana – 134 151.
 2. The Chairman, Haryana State Pollution Control Board, C-11, Sector-6, Panchkula, Haryana – 134 109.

EMAAR MGF LAND LIMITED

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SIX MONTHLY REPORT

Status of Environmental Clearance

Project Name: Construction of proposed Residential Plotted Colony at Village Badshahpur, Maidawas, Nangli Umarpur, Sector-62 & 65, Gurgaon, Haryana

Environmental Clearance No. : No. SEIAA/HR/2015/35 dated 05.01.2015

Part A: Specific Conditions

I. Construction Phase : The project has obtained Occupation Certificate for partial project on 18.09.2019, hence both construction and operation phase is applicable.

S.No.	Specific Condition	Status
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 Establish for the project has been obtained vide letter No. HSPCB/Consent/:2821215GUNOCTE 1694729 dated 18/03/2015 from Haryana State Pollution Control Board. Copy of Consent to Establish extension has already been submitted. The recent CTE valid till 4.01.2022 has already been submitted with previous compliance report.
2	A First Aid Room as proposed in project report will be provided both during construction and operation of the project.	First Aid facility is available at site and photograph already shared.
3	Adequate drinking water & sanitary facilities shall be provided for construction workers at the site. Provision should be made for mobile toilets. Open defecation by laboures is strictly prohibited. The safe disposal of wastewater & solid wastes generated during construction phase should be ensured.	Potable water and sanitary facilities are maintained at project site. Drinking water quality is enclosed as Annexure 1
4	All the top soil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	Excavated soil is stored at site and is being utilized within the project site for landscape and road leveling development.
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 neighboring communities & should be disposed-off taking necessary precautions for general safety & health aspects of people, only in approved sites with the approval of competent authority.	Building material required during construction is being stored at designated place. All the necessary action will be taken while disposing construction waste to prevent any adverse effect.

S.No.	Specific Condition	Status
6	Construction spoils including bituminous material & other hazardous materials must not be allowed to contaminate watercourse & dump sites for such material must be secured so that they should not leach into groundwater, and any hazardous waste generated during construction phase should be disposed off as per applicable rules & norms with necessary approval of the HSPCB.	Waste oil from DG sets is the only hazardous waste generated during construction phase & is being stored in HDPE drums at earmarked area. Hence there is no contamination of water course and no leaching into groundwater. Latest soil analysis report is enclosed as Annexure 2
7	The diesel generator sets to be used during construction phase shall be of ultra low sulphur diesel type & should conform to Environment (Protection) Rules prescribed for air & noise emission standards.	Diesel power generating set are acoustic enclosed type and conforms to rules made under Environment (Protection) Act prescribed for air and noise emission standards. Copy of latest report for DG stack emission and DG noise is attached as Annexure 3 & Annexure 4 , respectively.
8	The diesel required for operating DG Sets shall be stored in underground tanks & if required, clearance from Chief Controller of Explosives shall be taken.	Adequate provision has been made for storage of diesel, if required necessary clearance will be obtained from the Chief Controller of explosive.
9	Ambient noise levels should conform to residential standards both during day & night. Incremental pollution loads on ambient air and noise quality should be closely monitored during construction phase. Adequate measure should be taken to reduce ambient air & noise level during construction phase, so as to conform to stipulated residential standards of CPCB/MoEF.	Ambient air and noise level monitoring is carried out at project site regularly. Copy latest reports are attached as Annexure 5 & Annexure 6 , respectively.
10	Fly ash should be used as building material in construction as per the provisions of Fly Ash Notification of September 1999 & amended as on 27th August 2003.	Fly ash based ready mix concrete is being used for construction.
11	Storm water control and its reuse as per CGWB and BIS standards for various applications should be ensured.	Storm water will be channelized through storm drainage system and will be reused and controlled as per CGWB norms.
12	Water demand during construction shall be reduced by use of pre-mixed concrete, curing agents & other best practices.	Best practices are being adopted to reduce construction water demand.
13	Roof must meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material.	Energy conservation measures will be adopted.
14	Opaque wall must 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 material to fulfill requirement.	Optimum window sizes and openings will be provided on external face of the building. Glass surfaces protected by overhangs.
15	The approval of competent authority shall be obtained for structural safety of the building on account of earthquake, adequacy of fire fighting equipments etc. as per National	Necessary approvals will be obtained for structural safety and adequacy of firefighting equipment if applicable as

S.No.	Specific Condition	Status
	Building Code including protection measures from lightening etc. If any forest land is involved in proposed site, clearance under Forest Conservation Act shall be obtained from the Competent Authority.	it is a plotted development. No forest land is involved in the proposed project.
16	The Project proponent as stated in the proposal shall construct 111 rain water harvesting pits for recharging the groundwater 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.	Agreed and same will be adhered.
17	The project proponent shall provide for 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.	Agreed and same will be adhered.
18	The Project Proponent shall submit assurance from the DHBVN for supply of 23 MVA of power supply before the start of construction. In no case project will be operational solely on generators without any power supply from any external power utility.	Permission from DHVBNL for 13.63 MVA has already been granted.
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.	The same has been adhered
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.	Agreed and same will be adhered.
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.	Due care has been taken while Building plan approval from Department of Town and Country Planning Haryana.
22	Construction shall be carried out so that density of population does not exceed norms approved by Director General Town and Country Department Haryana.	Agreed and same will be adhered.
23	The Project Proponent shall submit an affidavit with the declaration that ground water will not be used for construction and only treated water should be used for construction.	Has already been submitted. Treated wastewater from HUDA STP's is being used for construction.
24	The project proponent shall not cut any existing tree and project landscaping plan should be modified to include those trees in green area.	Agreed and same will be adhered.

S.No.	Specific Condition	Status
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.	Regular water sprinkling on unpaved roads, construction vehicle with top cover and tarpaulin over construction is regular practiced to restrict dust & air pollution during construction.
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.	Agreed and same will be adhered.
27	The project proponent shall provide proper rasta of proper width and proper strength for the project before the start of construction.	Agreed and same will be adhered.
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.	Agreed and same will be adhered.
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.	PPE's are provided to all construction workers. Water sprinkling at adequate interval is done to minimize the dust generation due to construction work.
30	The project proponent shall develop complete civic infrastructure of the Residential Plotted 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 thereafter.	Agreed and same will be adhered.
31	The project proponent shall provide one refuse area till 24 meter, one till 39 meter and one after 15 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.	Its low rise project, hence the same is not applicable.
32	The project proponent shall provide fire control room and fire officer for building above 30 meter as per National Building Code.	Its low rise project, hence the same is not applicable.
33	The project proponent shall obtain permission of Mines and Geology Department for excavation of soil before the start of construction.	Being plotted development, permission of Mines and Geology Department for excavation of soil not required as on date. However, permission will be taken whenever it is required.
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.	Agreed and same will be adhered.
35	The site for solid waste management plant be earmarked on the layout plan and the detailed project for setting up	Solid waste management locations have already been shown in the

S.No.	Specific Condition	Status
	the solid waste management plant shall be submitted to the Authority within one month.	Layout plan submitted to SEAC & SEIAA during appraisal. The layout has already been submitted with previous compliance report.
36	The project proponent shall submit the copy of fire safety plan duly approved by Fire Department before the start of construction.	The same is not applicable as being low rise development.
37	The project proponent shall discharge excess of treated wastewater/storm water in the public drainage system and shall seek permission of HUDA before the start of construction.	Agreed and same will be adhered.
38	The project proponent shall maintain the distance between STP and water supply line.	Due care has been taken while planning the project and same has been adhered.
39	The project proponent shall ensure that the stack height is 6 meter more than the highest tower.	Agreed and same is being adhered.
40	The project proponent shall ensure that structural stability to withstand earthquake of magnitude 8.5 on Richter scale.	NBC guidelines will be followed.
41	The project proponent shall ensure that no construction activity is undertaken either on surface or below or above surface of revenue rasta passing through the project area.	Agreed and same will be adhered.
42	The project proponent shall indicate the width and length of revenue rasta passing through the project area on sign board and shall display the same at both the ends of revenue rasta stretch, for awareness of public. Sign board shall also display the message that this is public rasta/road and any citizen can use it. There shall not be any gate with or without guards on revenue rasta further project proponent shall not encroach revenue rasta and shall not cross internal roads over revenue rasta.	Agreed and same will be adhered.
43	The project proponent shall ensure that natural flow of existing nallah is never obstructed.	Agreed.
44	The project proponent shall ensure that in case of excessive flow of water in, nallah, the structural integrity of building along-side the nallah is not breached in any circumstances.	Agreed.
45	The project proponent shall ensure that there should not be any water logging on the bed of nallah even in case of excessive rain.	To prevent water logging in the project area suitable storm drainage system will be constructed.
46	The project proponent shall ensure that sewerage pipe line should not cross over the nallah and project proponent shall maintain separate STP in the plot area across the nallah.	Will be adhered to as per the HUDA byelaws.
47	The project proponent shall ensure that sewerage system and storm drainage system shall be planned by taking into account the natural slope of original land and approval from HUDA and Irrigation department shall be taken before the start of construction.	Agreed and same will be adhered.

S.No.	Specific Condition	Status
48	The project proponent shall construct culvert for crossing over the Nallah and ensure that bed of nallah is not encroached in any manner, while constructing the culvert over the nallah.	Agreed and same will be adhered.
49	The project proponent shall ensure plinth level of the building block is 1.5 meter above 100 years flood level.	Agreed and same will be adhered.
50	The project proponent shall provide pervious surface instead of impervious and hard surface in order to reduce overflow water in nallah.	Agreed and same will be adhered.
51	The project proponent shall make provision for infrastructure services (water supply, sewer, storm water lines etc.) to accommodate the additional load arising from population residing/planned in other lands falling within the project limits/vicinity and get the service estimates approved from HUDA before starting construction.	Agreed and same will be adhered.
52	The project proponent shall provide separate set of infrastructure facilities such as water supply, sewerage, storm drainage and STP etc. for two different sectors.	Will be adhered to as per the HUDA byelaws.

II. Operation Phase

S.No.	Specific Condition	Status
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.	Partial Consent to Operate has been obtained from Haryana State Pollution Control Board and already submitted. Recent copy is enclosed as Annexure 7
b	The Sewage Treatment Plant (STP) shall be installed for treatment of the sewage to the prescribed standards including odour & 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 should be submitted to the SEIAA, Haryana before the project is commissioned for operation. Tertiary treatment of wastewater is mandatory. The project proponent shall remove not only Ortho-Phosphorus but total Phosphorus to the extent of less than 2mg/liter. Similarly total Nitrogen level shall be less than 2mg/liter in tertiary treated wastewater. Discharge of treated sewage shall conform to the norms and standards of CPCB/HSPCB, whichever is environmentally better. Project Proponent shall implement such STP technology which does not require filter backwash.	The Sewage Treatment Plant of 800 KLD capacity has been installed for treatment of sewage. STP analysis report is enclosed as Annexure 8 .
c	Separation of grey & black water should be done by use of dual plumbing line. Treatment of 100% grey water by decentralized treatment should be done ensuring that the re-circulated water should have BOD level less than 5 mg/litre & the recycled water will be used for flushing, gardening & DG set cooling etc. to achieve zero exit discharge.	Provision of dual plumbing has been made for separation of grey and black water. Waste water is treated installed at STP installed at site.

d	For disinfections of treated waste water ultra-violet radiation or ozonization process should be used.	Ultra violet radiation is used for disinfection.
e	Diesel power generating sets proposed as source of back-up power for lifts, common area illumination and for domestic use should be of enclosed type & conform to rules made under Environment (Protection) Act 1986. The location of DG Sets shall be in the basement as promised by the project proponent with appropriate stack height above the roof level as per the CPCB norms. The diesel used for DG sets shall be ultra low sulphur diesel (35 ppm sulphur), instead of low sulphur diesel.	DG sets used as source of back-up power for lifts, common area illumination and for domestic use is acoustic enclosure type.
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 residential plotted colony.	Agreed and same has been adhered. Latest laboratory report from NABL accredited laboratory is enclosed as Annexure-6.
g	The project proponent as stated in the proposal should maintain at least 34.8% as green cover area for tree plantation especially all around periphery of the project and on road sides preferably with local species which can provide protection against noise and suspended particulate matter. The open spaces inside the project shall be preferably landscaped and covered with vegetation/grass, herbs & shrubs. Only locally available plant species shall be used.	Agreed and same will be adhered upon full completion of the project. The project has presently ~35% earmarked for landscaping and greenbelt.
h	The project proponent shall strive to minimize water in irrigation of landscape by minimizing grass area, using native variety, xeriscaping and mulching, utilizing efficient irrigation system, scheduling irrigation only after checking evapo-transpiration data.	Agreed and same will be adhered.
i	Rainwater harvesting for roof run-off and surface run-off, as per plan submitted should be implemented. Before recharging surface run-off, pre-treatment through sedimentation tanks must be done to remove suspended matter, oil & grease. The bore well for rainwater recharging shall be kept at least 5 mts. above the highest ground water table. Care shall be taken that contaminated water do not enter 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 material or paint which can contaminate rain water. Wire mesh and filters should be used wherever required.	Agreed and same is being adhered. NOC for construction of rain water harvesting structure has already been submitted with previous compliance report.
j	The ground water level & its quality should be monitored regularly in consultation with Central Ground Water Authority.	Ground water level and its quality are regularly being monitored by NABL accredited laboratory.
k	A report on energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & U Factors etc and submitted to SEIAA, Haryana in three months time.	Building materials R & U factors have already been submitted to SEIAA during project appraisal.
l	Energy conservation measures like installation of LED only for lighting the areas outside the building and inside the building	Agreed and same will be adhered.

	should be integral part of project design & should be in place before project commissioning. Use of solar panels must be adapted to the maximum energy conservation.	
m	The project proponent shall use zero ozone depleting potential material in insulation, refrigeration, air-conditioning and adhesive. Project proponent shall also provide halon free fire suppression system.	Agreed and same will be adhered
n	The solid waste generated should be properly collected & segregated as per the requirement of the MSW Rules, 2000 & 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 material.	Agreed and same will be adhered. Infrastructure has already been constructed and Organic Waste Converter (OWC) is being commissioned.
o	The provision of Solar water heating system shall be as per norms specified by HAREDA & shall be made operational in each building block.	Agreed and same will be adhered.
p	The traffic plan & parking plan proposed by the PP should be adhered to meticulously with further scope of additional parking for future requirement. There should be no traffic congestion near the entry & exit points from the roads adjoining the proposed project site. Parking should be fully internalized & no public space should be used.	Agreed and same will be adhered
q	The project shall be operationalized only when HUDA/local authority will provide domestic water supply system in the area.	Agreed and same has been adhered..
r	Operation and maintenance of STP, solid waste management and electrical Infrastructure, pollution control measures shall be ensured even after the completion of project.	Agreed and same is being adhered
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 of as per existing E-waste Management Rules 2011 and Batteries Management Rules 2001. The project proponent should maintain a collection center for E-waste and it shall be disposed of to only registered and authorized dismantler / recycler.	Agreed and same is in practice.
t	Standards for discharge of environmental pollutants as enshrined in various schedules of rule 3 of Environment Protection Rule 1986 shall be strictly complied with.	Agreed and will be adhered
u	Water supply shall be metered among different users and different utilities.	Agreed and will be adhered
v	The project proponent shall ensure that the stack height of DG sets is more than the highest tower and also ensure that the emission standards of noise and air are within the CPCB prescribed limits. Noise and Emission level of DG sets greater than 800 KVA shall be as per CPCB latest standards for high capacity DG sets.	Agreed and the same is being adhered.
w	All electric supply exceeding 100 amp, 3 phase shall maintain the power factor between 0.98 lag to 1 at the point of	Agreed and will be adhered

	connection.	
x	The project proponent shall not use 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 at all needed. The Project Proponent shall also use evaporative cooling technology and double stage cooling system for HVAC in order to reduce water consumption. Further temperature, relative humidity during summer and winter seasons should be kept at optimal level. Variable speed drive, best Co-efficient of Performance (Cop), as well as optimal integrated point load value and minimum outside fresh air supply may be resorted for conservation of power and water. Coil type cooling DG Sets shall be used for saving cooling water consumption for water cooled DG Sets.	Agreed and will be adhered if required as it is a Residential plotted colony project.
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.	Agreed and will be adhered.
z	The project proponent shall ensure that exit velocity from stack should be sufficiently high. Stack shall be designed in such a way that there is no stack down-wash under any meteorological conditions.	Agreed and will be adhered.
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.	Agreed and will be adhered.
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 15. In case of emergency capacity for increasing ACH to the extent of 30 must be provided by the project proponent.	Agreed and will be adhered if required as it is a Residential plotted colony project.
ac	The project proponent shall ensure drinking / domestic water supply as per prescribed standards till treated water supply is made available by HUDA.	Agreed and will be adhered.
ad	The project proponent shall not discharge untreated water in the nallah and also shall not throw any solid waste in the nallah.	Agreed and will be adhered.
ae	The project proponent shall ensure proper drainage in the project area as the project area is uneven and undiluted.	Agreed and will be adhered.

Part B: General Conditions

S.No.	General Condition	Status
i	The Project Proponent shall ensure the commitment 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 & spirit. In case of contradiction between two or more documents on any point, the most environmentally friendly commitment on the point shall be taken as commitment by project proponent.	Noted
ii	The project proponent shall also submit Six monthly reports on the status of	Six monthly

S.No.	General Condition	Status
	compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the northern Regional Office of MoEF, the respective Zonal office of CPCB, HSPCB and SEIAA Haryana.	compliance reports is being regularly submitted in MoEF&CC, Regional Office MoEF&CC. HSPCB Haryana and SEIAA Haryana.
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 (three) months, the project proponent shall conduct environmental audit and shall take corrective measure, if required, without delay.	Agreed and will be adhered.
iv	The SEIAA Haryana reserves the right to add additional safeguard 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.	Agreed and will be adhered.
v	The Project proponent shall not violate any judicial orders/pronouncements issued by any Court/Tribunal.	Agreed and will be adhered.
vi	All other statutory clearances such as approvals 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 proponents from the respective authorities prior to construction of the project.	Aravalli NOC through DC has already been provided.
vii	The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.	Copy of public notice published in newspaper has already been provided.
viii	Under the provisions of Environment (Protection) Act 1986, legal action shall be Initiated against the Project Proponent if it was found that construction of the project has been started before obtaining prior Environmental Clearance.	Noted
ix	Any appeal against this Environmental 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.	Noted.
x	The project proponent shall put in place Corporate Environment Policy as mentioned in MoEF, GOI 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.	Has already been submitted to SEAC & SEIAA during appraisal.
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 shall be reported to the SEIAA/RO MOEF GOI under rules prescribed for Environment Audit.	Agreed and will be adhered.

S.No.	General Condition	Status
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.	Agreed and will be adhered if applicable.
xiii	The Project Proponent shall ensure that no vehicle during construction/operation phase enter the project premises without valid 'Pollution Under Control' certificate from competent Authority.	Agreed and will be adhered.
xiv	The project proponent is responsible for 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.	Noted.
xv	The project proponent shall seek fresh Environmental clearance if at any stage there is change in the planning of the proposed project.	Noted.
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.	Noted.
xvii	The proponent shall upload the status of compliance of 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 SPCB. The criteria pollutant levels namely PM _{2.5} , PM ₁₀ , SO ₂ , NO _x , Ozone, Lead, CO, Benzene, Ammonia, Benzopyrine, arsenic and Nickel. (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.	Agreed and will be adhered.
xviii	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 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.	Noted.
xix	The project proponent shall conduct environmental audit at every three months interval and thereafter corrected measures shall be taken without any delay. Details of environmental audit and corrective measures shall be submitted in the monitoring report.	Noted.
xx	Corporate Environment and Social Responsibility (CSER) shall be laid down by the project proponent (2% shall be earmarked) as per guidelines of MoEF, GoI Office Memorandum No. J-11013/41/2006-IA.II(I) dated 18.05.2012 and Ministry of Corporate Affairs, GoI Notification Dated 27.02.2014. A separate audit statement shall be submitted in the compliance. Environment related work proposed to be executed under this responsibility shall be undertaken simultaneously. The project proponent shall select and prepare the list of the work for implementation of CSER of its own choice and shall submit the same before the start of construction.	Noted.



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/EH/W/01 **Report No.:** VEL/W/2104/22/001
Name & Address of Project: M/s Emerald Hills
 Village – Maidawas, Sector-65,
 Gurugram (Haryana). **Format No.:** 7.8 F-01
Party Reference No.: NIL
Reporting Date: 28/04/2021
Period of Analysis: 22/04/2021 to 28/04/2021
Receipt Date: 22/04/2021
Sampling Date: 21/04/2021
Sample Description: Drinking Water Sample **Type of Sampling:** Grab
Sampling Location: Near Office Area **Sampling Quantity:** 5.0 L+250ml.
Sample Collected by: Vardan EnviroLab Representative **Preservation:** Refrigerated
Sampling & Analysis Protocol: APHA & IS

S. No.	Parameter	Test-Method	Result	Unit	Requirement as per IS:10500 -2012#	
					Acceptable Limits	Permissible Limits
1.	pH (at 25 °C)	APHA ,4500-H ⁺ B Electrometric Method	7.36	--	6.5 to 8.5	No Relaxation
2.	Colour	APHA ,2120 B, Visual Comparison Method	*BDL (**DL 1.0 Hazen)	Hazen	5	15
3.	Turbidity	APHA, 2130 B, Nephelometric Method	*BDL (**DL 1.0 NTU)	NTU	1	5
4.	Odour	APHA, 2150 B , Threshold Test Method	Agreeable	--	Agreeable	Agreeable
5.	Taste	APHA , 2160 B, Threshold Test Method	Agreeable	--	Agreeable	Agreeable
6.	Total Hardness as CaCO ₃	APHA , 2340 C, EDTA Titrimetric Method	79.44	mg/l	200	600
7.	Calcium as Ca	APHA, 3500 Ca B. EDTA Titrimetric Method	19.26	mg/l	75	200
8.	Alkalinity as CaCO ₃	APHA , 2320 B, Titrimetric Method	69.36	mg/l	200	600
9.	Chloride as Cl ⁻	APHA, 4500-Cl ⁻ B, Argentometric Method	14.36	mg/l	250	1000
10.	Cyanide as CN	IS:3025 (P-27)	*BDL(**DL 0.02 mg/l)	mg/l	0.05	No Relaxation
11.	Magnesium as Mg	APHA , 3500 Mg B. Calculation Method	7.62	mg/l	30	100
12.	Total Dissolved Solids	APHA , 2540 C, Gravimetric Method	132.00	mg/l	500	2000
13.	Sulphate as SO ₄	APHA , 4500 E, Turbidimetric Method	2.74	mg/l	200	400
14.	Fluoride as F ⁻	APHA , 4500-F ⁻ D, SPADNS Method	*BDL(**DL 0.2 mg/l)	mg/l	1.0	1.5
15.	Nitrate as NO ₃	IS 3025 (P-34) .Chromotropic Method	*BDL(**DL 1.0 mg/l)	mg/l	45	No Relaxation
16.	Iron as Fe	IS 3025 (Part-65)	*BDL(**DL 0.01 mg/l)	mg/l	1.0	No relaxation
17.	Aluminium as Al	IS 3025 (Part-65)	*BDL(**DL 0.002 mg/l)	mg/l	0.03	0.2
18.	Boron	IS 3025 (Part-65)	*BDL(**DL 0.01 mg/l)	mg/l	0.5	2.4
19.	Total Chromium as Cr	IS 3025 (Part-65)	*BDL(**DL 0.002 mg/l)	mg/l	0.05	No Relaxation

(Checked By)
KANISHK SHARMA
 Jr. Lab Analyst

(Checked By)

(Approved By)
Dr. Shiv
 Singh

Note: Terms & conditions refer on backside of test report.

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
ISO 9001|ISO 14001|ISO 45001

Test Report

Sample No.: VEL/EH/W/01

Report No: VEL/W/2104/22/001

S. No	Parameter	Test-Method	Result	Unit	Requirement as per IS:10500-2012#	
					Acceptable Limits	Permissible Limits
20.	Phenolic Compounds	APHA, 5530 C Chloroform Extraction Method	*BDL(**DL 0.0004 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 MBAS	Anex K, IS 13428/IS 3025 (P-68)	*BDL(**DL 0.05 mg/l)	mg/l	0.2	1.0
23.	Zinc as Zn	IS 3025 (Part-65)	*BDL(**DL 0.01 mg/l)	mg/l	5	15
24.	Copper as Cu	IS 3025 (Part-65)	*BDL(**DL 0.002 mg/l)	mg/l	0.05	1.5
25.	Manganese as Mn	IS 3025 (Part-65)	*BDL(**DL 0.01 mg/l)	mg/l	0.1	0.3
26.	Cadmium as Cd	IS 3025 (Part-65)	*BDL(**DL 0.002 mg/l)	mg/l	0.003	No Relaxation
27.	Lead as Pb	IS 3025 (Part-65)	*BDL(**DL 0.002 mg/l)	mg/l	0.01	No Relaxation
28.	Selenium as Se	IS 3025 (Part-65)	*BDL(**DL 0.001 mg/l)	mg/l	0.01	No Relaxation
29.	Arsenic as As	IS 3025 (Part-65)	*BDL(**DL 0.005 mg/l)	mg/l	0.01	No Relaxation
30.	Mercury as Hg	IS 3025 (Part-65)	*BDL (**DL 0.0005 mg/l)	mg/l	0.001	No Relaxation
31.	Total Coliform	IS 15185:2002(RA- 2016)	Absent	/100ml	Shall not be detectable in any 100 ml sample	
32.	E. Coli	IS 15185:2002 (RA- 2016)	Absent	/100ml	Shall not be detectable in any 100 ml sample	

Note: - This Report Complies as per IS 105000:2012 Amendment No.2 Sept 2018

*BDL-Below Detection Limit, **DL- Detection Limit

KANTHAN SHARMA
(Tested By) Analyst

Dr. Shiv Singh
(Checked By)



Note: Terms & conditions refer on backside of test report.

www.vardan.co.in

Ph: 0124-4343750/752/753, 9810355569, 9953147268 E-mail: lab@vardanenvironet.com, bd@vardanenvironet.com



Vardan Envirolab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
ISO 9001 | ISO 14001 | ISO 45001

ANNEXURE 2

Test Report

Sample Number:	VEL/EH/S/01	Report No.:	VEL/S/2104/22/001
Name & Address of Party:	M/s Emerald Hills Village – Maidawas, Sector-65, Gurugram (Haryana).	Format No.:	7.8 F-01
Sample Description:	Soil Sample	Party Reference No.:	NIL
Sampling Location:	Project Site	Reporting Date:	28/04/2021
Packing Status:	Temp Sealed	Period of Analysis:	22/04/2021 to 28/04/2021
Sampling & Analysis Protocol:	IS 2720 & SOP	Receipt Date :	22/04/2021
		Sampling Date:	21/04/2021
		Type of Sampling:	Composite
		Sampling Quantity:	2.0 Kg

S. No.	Parameter	Test-Method	Result	Unit
1.	pH (at 25 °C)	IS : 2720 (P-26) by pH Meter	8.16	--
2.	Conductivity	IS:14767 by Conductivity meter	0.480	mS/cm
3.	Soil Texture	*SOP , SP-87, Issue No.-01 & Issue Date-14/02/2013	Silty Loam	--
4.	Color	*SOP , SP-78, Issue No.-01 & Issue Date-14/02/2013	Yellowish Brown	--
5.	Water holding capacity	*SOP , SP-81, Issue No.-01 & Issue Date-14/02/2013	54.51	%
6.	Bulk density	*SOP , SP-80, Issue No.-01 & Issue Date-14/02/2013	2.41	gm/cc
7.	Chloride as Cl	*SOP , SP-85, Issue No.-01 & Issue Date-14/02/2013	38.65	mg/100g
8.	Calcium as Ca	*SOP , SP-82, Issue No.-01 & Issue Date-14/02/2013	29.74	mg/100g
9.	Sodium as Na	*SOP , SP-84, Issue No.-01 & Issue Date-14/02/2013	58.22	mg/kg
10.	Potassium as K	*SOP , SP-84, Issue No.-01 & Issue Date-14/02/2013	215.13	kg/hect.
11.	Organic Matter	IS:2720 (P-22) Titrimetric Method	0.78	%
12.	Magnesium as Mg	*SOP , SP-83, Issue No.-01 & Issue Date-14/02/2013	24.47	mg/100g
13.	Available Nitrogen as N	IS:14684 Distillation Method	225.0	kg/hect.
14.	Available Phosphorus	*SOP , SP-86, Issue No.-01 & Issue Date-14/02/2013	25.46	kg/hect.
15.	Zinc (as Zn)	USEPA 3050B	14.53	mg/kg
16.	Manganese (as Mn)	USEPA 3050B	9.42	mg/kg
17.	Lead (as Pb)	USEPA 3050B	1.48	mg/kg
18.	Cadmium (as Cd)	USEPA 3050B	0.96	mg/kg
19.	Chromium (as Cr)	USEPA 3050B	1.42	mg/kg
20.	Copper (as Cu)	USEPA 3050B	2.48	mg/kg

*SOP-Laboratory standard operating procedure.

Anshu
KANCHAN SHARMA
(Tested By)

B. D. Sharma
B. D. SHARMA
(Checked By)



Note: Terms & conditions refer on backside of test report.

www.vardan.co.in

Ph: 0124-4343750/752/753, 9810355569, 9953147268 E-mail: lab@vardanenvirolab.com, bd@vardanenvirolab.com



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
ISO 9001|ISO 14001|ISO 45001

Test Report

Sample Number: VEL/EH/ST/01 Report No.: VEL/ST/2104/22/001
Name & address of the Project: M/s Emerald Hills Village – Maidawas, Sector-65, Gurugram (Haryana).
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 26/04/2021
Period of Analysis: 22/04/2021 to 26/04/2021
Receipt Date: 22/04/2021

Sample Description : Stack Emission Monitoring

General Information

Sampling Location : DG Set Area
Sample Collected by : Vardan EnviroLab Representative
Date of Sampling : 21/04/2021
Sampling Duration (Minutes) : 37.0
Stack attached to : DG Set No. – 1 (1010 KVA)
Make of stack : Metal
Diameter of stack (m) : 0.25 Mtr.
Height of stack (m) : 24.38 Mtr.
Instruments calibration status : Calibrated
Meteorological Condition : Clear Sky
Ambient Temperature – Ta (°C) : 34.0
Temperature of stack Gases – Ts (°C) : 176.0
Velocity of stack Gases (m/sec.) : 8.47
Flow rate of PM (LPM) : 23.0
Flow rate of Gas (LPM) : 2.0
Sampling condition : Isokinetic
Protocol used : IS:11255

RESULTS

S. No.	Parameters	Test Method	Results	Units	Limits as per CPCB
1.	PM (at 15 % O ₂ Correction)	IS: 11255 (P-1), Gravimetric Method, RA: 2003	52.30	mg/Nm ³	75.00
2.	Sulphur Dioxide (as SO ₂)	IS: 11255 (P-2), Titrimetric Method, RA: 2003	24.36	mg/Nm ³	Not Specified
3.	NOX (at 15 % O ₂ Correction)	IS: 11255 (P-7), Colorimetric Method, RA: 2012	169.26	ppmv	710.0
4.	Carbon Monoxide (as CO) (at 15 % O ₂ Correction)	SOP, SP-74, Issue No.01: 2018	60.12	mg/Nm ³	150.0
5.	NMHC (at 15 % O ₂ Correction)	SOP, SP-75, Issue No.01: 2018	14.95	mg/Nm ³	100.0

KANGASHARMA
Jr. Lab Analyst

(Checked By)

(Approved By)

Note: Terms & conditions refer on backside of test report.

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Vardan Envirolab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
ISO 9001|ISO 14001|ISO 45001

Test Report

Sample Number: VEL/EH/ST/02 **Report No.:** VEL/ST/2104/22/002
Name & address of the Project: M/s Emerald Hills
Village – Maidawas, Sector-65,
Gurugram (Haryana). **Format No.:** 7.8 F-01
Party Reference No.: NIL
Reporting Date: 26/04/2021
Period of Analysis: 22/04/2021 to 26/04/2021
Receipt Date: 22/04/2021

Sample Description : Stack Emission Monitoring

General Information

Sampling Location : DG Set Area
Sample Collected by : Vardan Envirolab Representative
Date of Sampling : 21/04/2021
Sampling Duration (Minutes) : 40.0
Stack attached to : DG Set No. - 2 (1010 KVA)
Make of stack : Metal
Diameter of stack (m) : 0.25 Mtr.
Height of stack (m) : 24.38 Mtr.
Instruments calibration status : Calibrated
Meteorological Condition : Clear Sky
Ambient Temperature – Ta (°C) : 34.0
Temperature of stack Gases – Ts (°C) : 169.0
Velocity of stack Gases (m/sec.) : 8.44
Flow rate of PM (LPM) : 22.0
Flow rate of Gas (LPM) : 2.0
Sampling condition : Isokinetic
Protocol used : IS :11255

RESULTS

S. No.	Parameters	Test Method	Results	Units	Limits as per CPCB
6.	PM (at 15 % O ₂ Correction)	IS: 11255 (P-1), Gravimetric Method, RA: 2003	49.15	mg/Nm ³	75.00
7.	Sulphur Dioxide (as SO ₂)	IS: 11255 (P-2), Titrimetric Method, RA:2003	22.41	mg/Nm ³	Not Specified
8.	NOX (at 15 % O ₂ Correction)	IS: 11255 (P-7), Colorimetric Method, RA: 2012	163.58	ppmv	710.0
9.	Carbon Monoxide (as CO) (at 15 % O ₂ Correction)	SOP, SP-74, Issue No.01: 2018	57.62	mg/Nm ³	150.0
10.	NMHC (at 15 % O ₂ Correction)	SOP, SP-75, Issue No.01: 2018	16.34	mg/Nm ³	100.0

Kanchan
KANCHAN SHARMA
Jr. Lab Analyst

[Signature]
(Checked By)

[Signature]
(Approved By)

Note: Terms & conditions refer on backside of test report.

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
ISO 9001|ISO 14001|ISO 45001

Test Report

Sample Number:	VEL/EH/PN/01	Report No.:	VEL/PN/2104/22/001
Name & Address of Party:	M/s Emerald Hills Village – Maidawas, Sector-65, Gurugram (Haryana).	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	26/04/2021
		Period of Analysis:	22/04/2021 to 26/04/2021
		Receipt Date:	22/04/2021
Sample Description:	DG NOISE MONITORING		

General Information:-

Sample collected by	:	Vardan EnviroLab Representative
Sampling Location	:	DG Set No. – 1 (1010 KVA)
Instrument Used	:	Sound Level Meter
Instrument Code	:	VEL/SLM/02
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Clear Sky
Date of Monitoring	:	21/04/2021
Scope of Monitoring	:	Regulatory Requirement
Control measure if Any	:	No any
Sampling & Analysis Protocol	:	IS 9989
Sampling Duration	:	30 Minutes.
Parameter Required	:	As per Work Order

S. No.	Parameters	Test Method	Result dB(A)		
			Open the canopy of DG Set Result dB(A)	Close the canopy of DG Set (0.5 Mtr. Distance) Result dB(A)	Insertion Loss
1.	L_{eq}	CPCB Guideline & Indian Standard:9989	99.3	73.7	25.6
2.	CPCB Limits in dB (Δ A)			75.00	25.00

(Tested By)
KANCHAN SHARMA
Jr. Lab Analyst

(Checked By)

(Approved By)

Note: Terms & conditions refer on backside of test report.

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
ISO 9001|ISO 14001|ISO 45001

Test Report


Sample Number: VEL/EH/PN/02 **Report No.:** VEL/PN/2104/22/002
Name & Address of Party: M/s Emerald Hills Village – Maidawas, Sector-65, Gurugram (Haryana). **Format No.:** 7.8 F-01
Party Reference No.: NIL
Reporting Date: 26/04/2021
Period of Analysis: 22/04/2021 to 26/04/2021
Receipt Date: 22/04/2021

Sample Description: DG NOISE MONITORING

General Information:-

Sample collected by : Vardan EnviroLab Representative
Sampling Location : DG Set No. – 2 (1010 KVA)
Instrument Used : Sound Level Meter
Instrument Code : VEL/SLM/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 21/04/2021
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS 9989
Sampling Duration : 30 Minutes.
Parameter Required : As per Work Order

S. No.	Parameters	Test Method	Result dB(A)		
			Open the canopy of DG Set Result dB(A)	Close the canopy of DG Set (0.5 Mtr. Distance) Result dB(A)	Insertion Loss
1.	L_{eq}	CPCB Guideline & Indian Standard:9989	96.7	71.6	25.1
2.	CPCB Limits in dB (A)	-	-	75.00	25.00


KANCHAN SHARMA
(Tested By)
Jr. Lab Analyst


(Checked By)



Note: Terms & conditions refer on backside of test report.

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Vardan Envirolab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
ISO 9001|ISO 14001|ISO 45001

Test Report

Sample Number: VEL/EH/A/01 **Report No.:** VEL/A/2104/22/001
Name & Address of the Project: M/s Emerald Hills **Format No.:** 7.8 F-01
Village – Maidawas, Sector-65, **Party Reference No.:** NIL
Gurugram (Haryana). **Reporting Date:** 26/04/2021
Period of Analysis: 22/04/2021 to 26/04/2021
Receipt Date: 22/04/2021

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Centre of The Project
Sample collected by : Vardan Envirolab Representative
Sampling Equipment used : RDS & FPS
Instrument Code : VEL/RDS/FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 21/04/2021 to 22/04/2021
Time of Monitoring : 11:30 AM to 11:30 AM
Ambient Temperature (°C) : Min. 22.0°C, Max. 37.0°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS : 5182 & CPCB Guidelines
Sampling Duration : 24 Hours.
Parameter Required : As per Work Order

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	132.51	µg/m ³	100
2.	Particulate Matter (as PM – 2.5)	SOP No. VEL/SOP/01, Section No. SP 63:2013	78.93	µg/m ³	60
3.	Nitrogen Dioxide (as NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser, RA:2006	22.32	µg/m ³	80
4.	Sulphur Dioxide (as SO ₂)	IS: 5182 (P-2), Modified West and Gacke, RA:2012	12.81	µg/m ³	80
5.	Carbon Monoxide (as CO)	IS: 5182 (P-10), Gas Chromatography, RA:2003	0.76	mg/m ³	4.0
6.	Lead (as Pb)	IS:5182 (P-22), Air Acetylene Method, RA:2009	*BDL(**DL0.05 µg/m ³)	µg/m ³	1.0

*BDL- Below Detection Limit, **DL- Detection Limit

KANCHAN SHARMA
 Analyst
 (Tested By)

(Checked By)

Dr. Shiv
 Prakash
 (Approved By)
 Authorised Signatory

Note: Terms & conditions refer on backside of test report.

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
ISO 9001|ISO 14001|ISO 45001

Test Report

Sample Number: VEL/EP/AN/01 **Report No.:** VEL/AN/2104/08/001
Name & Address of Party: M/s Emerald Plaza, Sector-65, Gurugram, (Haryana). **Format No.:** 7.8 F-01
Party Reference No.: NIL
Reporting Date: 12/04/2021
Period of Analysis: 08/04/2021 to 12/04/2021
Receipt Date: 08/04/2021

Sample Description : AMBIENT NOISE LEVEL MONITORING

General Information:-

Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Main Gate
Instrument Used : Sound Level Meter
Instrument Code : VEL/SLM/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 07/04/2021 to 08/04/2021
Time of Monitoring : 06:00 AM to 06:00 AM
Ambient Temperature (°C) : Min. 28.0°C, Max. 32.0°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : CPCB Guidelines & IS-9989
Sampling Duration : 24 Hours.
Parameter Required : As per Work Order

S. No.	Parameters	Test Method	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	L _{max}	IS -9989	59.1	53.4	dB(A)
2.	L _{min}	IS- 9989	44.4	36.2	dB(A)
3.	L _{eq}	IS -9989	50.41	40.51	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.

KANCHAN SHARMA
(Tested By)
Jr. Lab Analyst

(Checked By)

(Approved By)

Note: Terms & conditions refer on backside of test report.

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HARYANA STATE POLLUTION CONTROL BOARD
Gurgaon North Vikas Sadan, 1st Floor, Near DC Court, Gurgaon Ph.0124-2332775 Email:- hspcbrogrn@gmail.com
E-mail: hspcb@hry.nic.in



No. HSPCB/Consent/ : 329962320GUNOCTO7727814

Dated:20/07/2020

To.

M/s :Residential Plotted Colony
 Village Badshahpur, Maidawas, Nangli Umarpur, Sector 62 and 65, Tehsil & District Gurgaon

Subject: Grant of consent to operate to M/s Residential Plotted Colony .

Please refer to your application no. 7727814 received on dated 2020-06-17 in regional office Gurgaon North. With reference to your above application for consent to operate, M/s Residential Plotted Colony is here by granted consent as per following specification/Terms and conditions.

Consent Under	BOTH
Period of consent	01/10/2020 - 30/09/2022
Industry Type	Building and construction project having waste water generation more than 100 KLD
Category	RED
Investment(In Lakh)	18070.0
Total Land Area(Sq. meter)	801423.4
Total Builtup Area(Sq. meter)	83934.0
Quantity of effluent	
1. Trade	0.0 KL/Day
2. Domestic	372.0 KL/Day
Number of outlets	1.0
Mode of discharge	
1. Domestic	Reuse/Recycle
2. Trade	0
Domestic Effluent Parameters	
1. BOD	30 mg/l
2. COD	250 mg/l
3. TSS	100 mg/l
4. O&G	10 mg/l
Trade Effluent Parameters	
1. NA	
Number of stacks	8
Height of stack	

1. DG Set of 1500 KVA	6.5 Meter (Above roof level)
2. DG Set of 1500 KVA	6.5 Meter (Above roof level)
3. DG Set of 1500 KVA	6.5 Meter (Above roof level)
4. DG Set of 1500 KVA	6.5 Meter (Above roof level)
5. DG Set of 1010 KVA	6.5 Meter (Above roof level)
6. DG Set of 1010 KVA	6.5 Meter (Above roof level)
7. DG Set of 1010 KVA	6.5 Meter (Above roof level)
8. DG Set of 1010 KVA	6.5 Meter (Above roof level)
Emission parameters	
1. NA	
Product Details	
1. NA	Metric Tonnes/day
Capacity of boiler	
1. NA	Ton/hr
Type of Furnace	
1. NA	
Type of Fuel	
1. Diesel	4 KL/day
Raw Material Details	
NA	Metric Tonnes/Day

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

Terms and conditions

1. The applicants shall maintain good house keeping both within factory and in the premises. All hose pipelines valves, storage tanks etc. shall be leak proof. In plant allowable pollutants levels, if specified by State Board should be met strictly.
2. The applicant/company shall comply with and carry out directive/orders issued by the Board in this consent order at all subsequent times without negligence of his /its part. The applicant/company shall be liable for such legal action against him as per provision of the law/act in case of violation of any order/directives. Issued at any time and or non compliance of the terms and conditions of his consent order.
3. The applicant shall make an application for grant of consent at least 90 days before the date of expiry of this consent.
4. Necessary fee as prescribed for obtaining renewal consent shall be paid by the applicant alongwith the consent application.
5. If due to any technological improvement or otherwise this Board is of opinion that all or any of the conditions referred to above required variation (including the change of any control equipment either in whole or in part) this Board shall after giving the applicant an opportunity of being heard vary all or such condition and there upon the applicant shall be bound to comply with the conditions so varied.
6. The industry shall provide adequate arrangement for fighting the accidental leakages, discharge of any pollutants gas/liquids from the vessels, mechanical equipment etc. which are

likely to cause environment pollution.

7. The industry shall comply noise pollution (Regulation and control) Rules, 2000.

8. The industry shall comply all the direction/Rules/Instructions as may be issued by the MOEF/CPCB/HSPCB from time to time.

9. The industry shall ensure that various characteristics of the effluents remain within the tolerance limits as specified in EPA Standard and as amended from time to time and at no time the concentration of any characteristics should exceed these limits for discharge.

10. The industry would immediately submit the revised application to the Board in the event of any change in the raw material in process, mode of treatment/discharge of effluent. In case of change of process at any stage during the consent period, the industry shall submit fresh consent application alongwith the consent to operate fee, if found due, which may be on any account and that shall be paid by the industry and the industry would immediately submit the consent application to the Board in the event of any change during the year in the raw material, quantity, quality of the effluent, mode of discharge, treatment facilities etc.

11. The officer/official of the Board shall reserve the right to access for the inspection of the industry in connection with the various process and the treatment facilities. The consent to operate is subject to review by the Board at any time.

12. Permissible limits for any pollutants mentioned in the consent to operate order should not exceed the concentration permitted in the effluent by the Board.

13. The industry shall pay the balance fee, in case it is found due from the industry at any time later on.

14. If the industry fails to adhere to any of the conditions of this consent to operate order, the consent to operate so granted shall automatically lapse.

15. If the industry is closed temporarily at its own, they shall inform the Board and obtain permission before restart of the unit.

16. The industry shall comply all the Directions/ Rules/Instructions issued from time to time by the Board.

Specific Conditions :

1. Unit will run and maintain it's STP/ETP/APCM regularly and properly, will provide separate energy meter on their STP/ETP/APCM and maintain the Log Book for energy consumption of STP/ETP/APCM and chemicals used daily for the STP/ETP. 2. That the unit shall keep all the parameters within the prescribed limits and shall comply with all the Norms and Rules as prescribed in the Act 3. That the unit will adopt cleaner technology thereby reducing pollution load. 4. That the unit will provide inter locking arrangement of DG set with STP/ETP/APCM and shall have separate D.G. set to ensure regular and effective running of pollution control devices. 5. That the unit will not discharge any untreated effluent inside and outside its premises. 6. Unit will provide separate flow meter at Inlet/ Outlet of STP/ETP for which separate log book will be maintained if required. 7. That the unit will not add any air polluting process/ machinery and also not to add any process which increases the water pollution load. 8. That the unit will comply with all the provisions of Hazardous Waste Rules and submit return under HWM Rules on yearly basis. 9. That the CTO so granted shall become invalid in case of violation of any of the above / any law of the land. 10. Unit will apply for consent to operate for further period 90 days before expiry of this consent otherwise penalty will be imposed as per policy. 11. Unit will submit compliance report of general & specific conditions mentioned in CTO alongwith fresh analysis report within 03 months. 12. The unit

will apply for authorization under HWM rules, 2016.

Dinesh Kumar
Yadav

Digitally signed by Dinesh Kumar
Yadav
Date: 2020.07.20 12:42:52 +05'30'

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





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/EH/WW/03	Report No.:	VEL/WW/2104/22/003
Name & Address of Party:	M/s Emerald Hills Village – Maidawas, Sector-65, Gurugram (Haryana).	Format No.:	7.8 F-01
Sample Description:	Waste Water Sample	Party Reference No.:	NIL
Sampling Location:	STP Plant I Beri Gate No. 6 (STP Inlet)	Reporting Date:	28/04/2021
Sample Collected by:	Vardan EnviroLab Representative	Period of Analysis:	22/04/2021 to 28/04/2021
Sampling & Analysis Protocol:	APHA, 23 rd Edition 2017	Receipt Date	22/04/2021
		Sampling Date:	21/04/2021
		Preservation:	Refrigerated
		Sampling Quantity:	2.0 Ltr

S. No.	Parameter	Test-Method	Result	Unit
9.	pH (at 25 °C)	APHA 4500-H+ B Electrometric Method:2017	6.69	--
10.	Total Suspended Solid	APHA 2540 D Gravimetric Method	259.67	mg/l
11.	Oil & Grease	APHA 5520 B Partition Gravimetric Method:2017	12.63	mg/l
12.	BOD (3 Days at 27 °C)	APHA. 5210 C Ultimate BOD Test:2017	138.00	mg/l
13.	COD	APHA 5220 B Open Reflux Method:2017	534.06	mg/l
14.	Electrical Conductivity	APHA 2510 B Conductivity Meter Method:2017	950	µS/cm
15.	Total Coliform	APHA 23 rd Edition,Annex 9221	>1800	MPN/100ml
16.	E-coli	APHA 23 rd Edition,Annex 9221	300	MPN/100ml

Anchan
KANCHAN SHARMA
(Entered By)
Jr. Lab Analyst

Anchan
(Checked By)

Anchan
(Approved By)



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
ISO 9001|ISO 14001|ISO 45001

Test Report

Sample Number:	VEL/EH/WW/02	Report No.:	VEL/WW/2104/22/002
Name & Address of Party:	M/s Emerald Hills Village – Maidawas, Sector-65, Gurugram (Haryana).	Format No.:	7.8 F-01
Sample Description:	Waste Water Sample	Party Reference No.:	NIL
Sampling Location:	STP Plant I Beri Gate No. 6 (STP Outlet)	Reporting Date:	28/04/2021
Sample Collected by:	Vardan EnviroLab Representative	Period of Analysis:	22/04/2021 to 28/04/2021
Parameter Required:	As per Work Order	Receipt Date:	22/04/2021
		Sampling Date:	21/04/2021
		Preservation:	Refrigerated
		Sampling Quantity:	2.0 Ltr

S. No.	Parameter	Test – Method	Result	Unit	Standards for Discharge as per CPCB		
					In-Land Surface Water	Public Sewers	Land for Irrigation
9.	pH (at 25 °C)	APHA 4500-H+ B Electrometric Method:2017	7.36	--	5.5-9.0	5.5-9.0	5.5-9.0
10.	Total Suspended Solid	APHA 2540 D Gravimetric Method	51.88	mg/l	100	600	200
11.	Oil & Grease	APHA 5520 B Partition Gravimetric Method:2017	1.05	mg/l	10.0	20.0	10.0
12.	BOD (3 Days at 27 °C)	APHA. 5210 C Ultimate BOD Test:2017	24.00	mg/l	30.0	350.0	100.0
13.	COD	APHA 5220 B Open Reflux Method:2017	93.31	mg/l	250.0	--	--
14.	Conductivity	APHA 2510 B Conductivity Meter Method:2017	676.00	µS/cm	--	--	--
15.	Total Coliform	APHA 23 rd Edition,Annex 9221	1000	MPN/100ml	--	--	--
16.	E-coli	APHA 23 rd Edition,Annex 9221	10	MPN/100ml	--	--	--

Kanshan
KANSHAN SHARMA
(Tested By)
Jr. Lab Analyst

[Signature]
(Checked By)

[Signature]
(Approved By)

Note: Terms & conditions refer on backside of test report.

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