

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 Group Housing Project measuring 14.025 acres at Village Nangli Umarpur, Sector-62, Gurgaon, Haryana by M/s Emaar India Limited – Submission of Six-monthly Compliance Report – June 2021.

Ref.: Environment Clearance Letter No. SEIAA/HR/2017/520 dated 31.07.2017

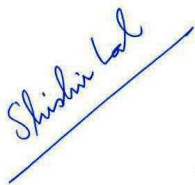
Dear Sir,

With regards to the above-mentioned subject, we are hereby submitting soft copy of six-monthly report for the month of **June 2021** for the proposed Group Housing Project.

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.

SIX MONTHLY REPORT

Status of Environmental Clearance

Project Name: Construction of proposed Group Housing Colony at Village Nangli Umarpur, Sector-62, Gurgaon, Haryana

Environmental Clearance No.: No. SEIAA/HR/2017/520 dated 31.07.2017

Part A: Specific Conditions**I. Construction Phase**

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/: 329962319GUNOCTE6331403 dated 06/04/2019 valid till 30.07.2024 from Haryana State Pollution Control Board. Copy of Consent to Establish is enclosed as Annexure 1 .
2	A First Aid Room as proposed in project report will be provided both during construction and operation of the project.	First Aid facility provided at Project site. Site photos are attached as Annexure-2 .
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 labors 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. The water quality report is enclosed as Annexure-3
4	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	Excavated soil is being store at site and will be utilized within the project site for landscape 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. Site photographs are attached as Annexure-4 .
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	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

S.No.	Specific Condition	Status
	hazardous waste generated during construction phase should be disposed off as per applicable rules & norms with necessary approval of the Haryana State Pollution Control Board.	and no leaching into groundwater. Soil analysis report is enclosed as Annexure 5
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 enclosure type and conforms to rules made under Environment (Protection) Act prescribed for air and noise emission standards. Latest report for DG stack emission and DG noise is attached as Annexure 6 & Annexure 7 , 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 will be 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, to conform to stipulated residential standards of CPCB/MoEF.	Ambient air and noise level monitoring is carried out regularly at project site. Copy of reports is attached as Annexure 8 & Annexure 9 , 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 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 Building Code including protection measures from lightening etc. if any forest land is involved in the proposed site, clearance under Forest Conservation Act	Necessary approvals have been obtained for structural safety and adequacy of firefighting equipment as per National Building Code.

S.No.	Specific Condition	Status
	shall be obtained from the competent authority.	
16	The Project proponent as stated in the proposal shall construct 20 rainwater harvesting pits for recharging the groundwater within the project premises. Rainwater 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 complied.
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 complied.
18	The Project Proponent shall submit assurance from the DHBVN for supply of 5296 KW (Phase I – 3369 KW & Phase II -1927 KW) 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.	Assurance from DHBVN is enclosed as Annexure-10 .
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 complied
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 complied.
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 to avoid flooding.	This has already been considered as per the building byelaws.
22	Construction shall be carried out so that density of population does not exceed norms approved by Director General Town and Country	Agreed and same has been complied.

S.No.	Specific Condition	Status
	Department Haryana.	
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 water 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 complied.
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 being practiced restricting 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 complied.
28	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 complied.
28	The project proponent shall ensure that the U-value of the glass is less than 3.177 and maximum solar heat gain co-efficient is 0.25 for vertical fenestration.	Agreed.
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 Group Housing colony including internal roads, green belt development, sewerage line, Rainwater recharge arrangements, Storm water drainage system, Solid waste management site and provision for composting 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 complied.
31	The project proponent shall provide one refuse area till 24 meters, 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.	Agreed and same will be complied.
32	The project proponent shall provide fire control room and fire officer for building above 30 meter as per National Building Code.	Agreed and same will be complied.

S.No.	Specific Condition	Status
33	The project proponent shall obtain permission of Mines and Geology Department for excavation of soil before the start of construction.	Permission from Mines and Geology Department for excavation of soil has been obtained and has already been submitted with previous compliance report.
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 complied.
35	The site for solid waste management plant be earmarked on the layout plan and the detailed project for setting up the solid waste management plant shall be submitted to the Authority within one month.	The same has been complied.
36	The project proponent shall submit the copy of fire safety plan duly approved by Fire Department before the start of construction	The same has been complied.
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 complied.
38	The project proponent shall maintain the distance between STP and water supply line	Agreed and same will be complied.
39	The project proponent shall ensure that the stack height is 6.0 meter more than the highest tower.	Agreed and same will be complied.
40	The project proponent shall ensure that structural stability to withstand earthquake of magnitude 8.5 on Richter scale.	NBC guidelines has been followed during building plan approval.

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.	Agreed and same will be complied.
b	The Sewage Treatment Plant (STP) shall be installed for treatment of the sewage to the prescribed standards including odor & 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,	The Sewage Treatment Plant of 250 KLD capacity will be installed at the site

	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 project proponent shall essentially provide two number of STPs preferably equivalent to 50% of total capacity or as per initial occupancy.	
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.	Provision of dual plumbing facility has been done in the project during planning phase.
d	For disinfections of treated wastewater ultra-violet radiation or ozonation process should be used.	Agreed and same will be complied.
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.	Agreed and same will be complied.
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 commercial colony.	Agreed and same will be complied.
g	The project proponent as stated in the proposal should maintain at least 25.5% as green cover area for tree plantation especially all-around periphery of the project and on roadsides 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 complied.
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,	Agreed and same will be complied.

	scheduling irrigation only after checking evapo-transpiration data.	
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 borewell 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 rainwater harvesting of first 10 minutes of rain fall. Roof top of the building shall be without any toxic material or paint which can contaminate rainwater. Wire mesh and filters should be used wherever required.	Agreed and same will be complied.
j	The ground water level & its quality should be monitored regularly in consultation with Central Ground Water Authority.	Agreed and same will be complied.
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 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.	Use of LED lights in open area is an integral part of planning and same will be complied during the operation phase.
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 complied.
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 earmarked 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 complied.
o	The provision of Solar water heating system shall be as per norms specified by HAREDA &	NA as it is a commercial project.

	shall be made operational in each building block.	
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 complied.
q	The project shall be operationalized only when HUDA/local authority will provide domestic water supply system in the area.	Agreed and same will be complied.
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 will be complied.
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 as per e-waste management Rules, 2011	Agreed and same will be complied.
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 same will be complied.
u	The project proponent shall make provision for guard pond and other provisions for safety against failure in the operation of wastewater treatment facilities. The project proponent shall also identify acceptable outfall for treated effluent.	Will be adhered to.
v	The project proponent shall ensure that the stack height of DG sets is more than the highest tower and 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 same will be complied.
w	All electric supply exceeding 100-amp, 3 phases shall maintain the power factor between 0.98 lag to 1 at the point of connection.	Agreed and same will be complied.
x	The project proponent shall not use fresh water for HVAC and DG cooling. Air based HVAC	Agreed and same will be complied.

	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 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.	
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 same will be complied.
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 same will be complied.
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 same will be complied.
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 same will be complied.
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 same will be complied.
ad	The project proponent shall provide additional green area on terrace and roof top.	Agreed and same will be complied.
ae	The project proponent shall install solar panel for energy conservation.	Will be adhered to.

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.	Agreed and same will be complied.
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 copies as well as by e-mail) to the northern Regional Office of MoEF, HSPCB and SEIAA Haryana.	Agreed and same will be complied.
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 same will be complied.
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.
v	The Project proponent shall not violate any judicial orders/pronouncements issued by any Court/Tribunal.	Agreed.
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 submitted with previous compliance report.
vii	The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the	Copy of public notice published were published in Tribune and Dainik Bhaskar Kesari dated August 12, 2017. Copy

S.No.	General Condition	Status
	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.	already submitted.
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.	Environmental Clearance obtained.
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.	Agreed.
x	The project proponent shall put in place Corporate Environment Policy as mentioned laid down by the project proponent (2% shall be earmarked) as per MoEF, GOI OM No. J-11013/41/2006-IA II (I) dated 26.04.2012 within 3 months of issuance of this letter.	Has already been submitted to SEAC & SEIAA.
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.
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.
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.
xiv	The project proponent is responsible for compliance of all conditions in the Environment Clearance letter and project proponent cannot absolve himself/herself of the responsibility by shifting it to any contractor engaged by project proponent.	Noted
xv	The project proponent shall seek fresh	Noted

S.No.	General Condition	Status
	Environmental Clearance if at any stage there is change in the planning of the project.	
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, Benzopyrene, 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 same will be complied.
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.	Agreed.
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.	Agreed and same will be complied.
xx	Corporate Environment & Social Responsibility (CSER) shall be the project proponent shall put in place Corporate Environment Policy as mentioned laid down by the project proponent (2% shall be earmarked) as per MoEF, GOI OM No. J-11013/41/2006-IA II (I) dated 18.05.2012 and the Ministry of Corporate Affairs, GOI Notification dated 27.02.2014. A separate audit statement shall be submitted in compliance.	Agreed

S.No.	General Condition	Status
	Environment related work proposed to be executed under this responsibility shall be undertaken simultaneously. The project proponent shall select and prepare the list of work for implementation of CSER of its own choice and shall submit the same before start of construction.	
xviii	The validity of this environment clearance letter is valid up to 7 years from the date of issuance of EC letter. The environment clearance conditions applicable till life space project in case of Residential project will continue to apply. The resident welfare association/Housing co-operatives societies shall be responsible to comply conditions laid down in EC. In case the violation would be taken as per laid down law of land. Compliance report should be sent to this office till life of the project.	Agreed.



HARYANA STATE POLLUTION CONTROL BOARD

**Gurgaon North Vikas Sada, 1st Floor, Near DC Court,
Gurgaon Ph. 0124-2332775**

Website: www.hspcb.gov.in E-Mail - hspcb.pkl@sifymail.com

Telephone No.: 0172-2577870-73



No. HSPCB/Consent/ : 329962319GUNOCTE6331403

Dated:06/04/2019

To.

**M/s : Emaar MGF Land Limited
Village Nangli Umarpur, Sector-62
GURGAON
110019**

Sub. : Grant of consent to Establish to M/s Emaar MGF Land Limited

Please refer to your application no. 6331403 received on dated 2019-02-21 in regional office Gurgaon North.

With reference to your above application for consent to establish, M/s Emaar MGF Land Limited is hereby granted consent as per following specification/Terms and conditions.

Consent Under	AIR/WATER
Period of consent	06/04/2019 - 30/07/2024
Industry Type	Building and construction project having waste water generation more than 100 KLD
Category	RED
Investment(In Lakh)	44012.0
Total Land Area (Sq. meter)	56757.15
Total Builtup Area (Sq. meter)	187514.3
Quantity of effluent	
1. Trade	0.0 KL/Day
2. Domestic	526.6 KL/Day
Number of outlets	1.0
Mode of discharge	
1. Domestic	STP
2. Trade	
Permissible Domestic Effluent Parameters	
1. BOD	30 mg/l
2. COD	250. mg/l
3. TSS	100 mg/l
4. Oil & Grease	10 mg/l
Permissible Trade Effluent Parameters	
1. NA	mg/l

Number of stacks	1
Height of stack	
1. NA	
Permissible Emission parameters	
1. NA	
Capacity of boiler	
1. NA	Ton/hr
Type of Furnace	
1. NA	
Type of Fuel	
1. Diesel	3.2 KL/day

Regional Officer, Gurgaon North
Haryana State Pollution Control Board.

Terms and conditions

1. The industry has declared that the quantity of effluent shall be 250 KL/Day i.e 0KL/Day for Trade Effluent, 0 KL/Day for Cooling, 250 KL/Day for Domestic and the same should not exceed .
2. The above 'Consent to Establish' is valid for 60 months from the date of its issue to be extended for another one year at the discretion of the Board or till the time the unit starts its trial production whichever is earlier. The unit will have to set up the plant and obtain consent during this period.
3. The officer/official of the Board shall have the right to access and inspection of the industry in connection with the various processes and the treatment facilities being provided simultaneously with the construction of building/machinery. The effluent should conform the effluent standards as applicable
4. That necessary arrangement shall be made by the industry for the control of Air Pollution before commissioning the plant. The emitted pollutants will meet the emission and other standards as laid/will be prescribed by the Board from time to time.
5. The applicant will obtain consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21/22 of the Air (Prevention & Control of Pollution) Act, 1981 as amended to-date-even before starting trial production
6. The above Consent to Establish is further subject to the conditions that the unit complies with all the laws/rules/decisions and competent directions of the Board/Government and its functionaries in all respects before commissioning of the operation and during its actual working strictly.
7. No in-process or post-process objectionable emission or the effluent will be allowed, if the scheme furnished by the unit turns out to be defective in any actual experience
8. The Electricity Department will give only temporary connection and permanent connection to the unit will be given after verifying the consent granted by the Board, both under Water Act and Air Act.
9. Unit will raise the stack height of DG Set/Boiler as per Board's norms.
10. Unit will maintain proper logbook of Water meter/sub meter before/after commissioning.

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

Specific Conditions

Other Conditions :

1. The unit will obtain consent to operate before the occupation of the project. 2. The unit will install STP along with the main project. 3. The unit will install the project only on the land for which Town and Country Planning Department has given license. 4. The NOC is valid only for such land within this project which is under ownership of project proponent and for which report regarding Aravali area has been issued by DC, Gurgaon. 5. 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, 6. Unit will apply for CTO/ CTE Extension at least 90 days before expiry date of this CTE 7. Unit will comply with the guide lines issued by CPCB on Environment Management of construction and Demolition Waste issued after the Construction and Demolition Waste Management Rules, 2016 notified by MOEF. 8. Unit will obtain all necessary clearance from all concerned authorities

Kuldeep Singh Digitally signed by Kuldeep Singh
Date: 2019.04.06 15:43:06 +05'30'

Regional Officer, Gurgaon North
Haryana State Pollution Control Board.



FIRST AID FACILITY





Vardan EnviroLab

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

Test Report

Sample Number: VEL/DH/W/01
Name & Address of Project: M/s Digi Homes.
Golf Course Extension Road
Sector - 62, Gurugram, (Haryana).

Report No.: VEL/W/2104/09/002
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 15/04/2021
Period of Analysis: 09/04/2021 to 15/04/2021
Receipt Date: 09/04/2021
Sampling Date: 08/04/2021
Type of Sampling: Grab
Sampling Quantity: 5.0 L+250 ml.
Preservation: Refrigerated

Sample Description: Drinking Water Sample
Sampling Location: Near Main Gate(Emaar India Project Office)
Sample Collected by: Vardan EnviroLab Representative
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	7.31	--	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	72.62	mg/l	200	600
7.	Calcium as Ca	APHA , 3500 Ca B, EDTA Titrimetric Method	23.51	mg/l	75	200
8.	Alkalinity as CaCO ₃	APHA , 2320 B, Titrimetric Method	57.62	mg/l	200	600
9.	Chloride as Cl	APHA , 4500-Cl ⁻ B, Argentometric Method	29.61	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	3.39	mg/l	30	100
12.	Total Dissolved Solids	APHA , 2540 C, Gravimetric Method	122.0	mg/l	500	2000
13.	Sulphate as SO ₄	APHA , 4500 E, Turbidimetric Method	2.42	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

(Tested By)

KANISHA SHARMA

JE Lab Analyst

(Checked By)

Dr. Shiv Singh

(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/DH/W/01

Report No: VEL/W/2104/09/002


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 10500:2012 Amendment No.2 Sept.2018

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


KANCHAN SHARMA
(Tested By)
Jr. Lab Analyst


Dr. Shiv Singh
(Checked By)
Dy. To Lab


Dr. Shiv Singh
(Approved By)
Singh

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



SITE PHOTOGRAPHS



Vardan Envirolab


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

Test Report

Sample Number:	VEL/DH/S/01	Report No.:	VEL/S/2104/09/002
Name & Address of Party:	M/s Digi Homes. Golf Course Extension Road Sector - 62, Gurugram, (Haryana).	Format No.:	7.8 F-01
Sample Description:	Soil Sample	Party Reference No.:	NIL
Sampling Location:	Near Main Gate Park	Reporting Date:	15/04/2021
Packing Status:	Temp Sealed	Period of Analysis:	09/04/2021 to 15/04/2021
Sampling & Analysis Protocol:	IS 2720 & SOP	Receipt Date :	09/04/2021
		Sampling Date:	08/04/2021
		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	8.41	--
2.	Conductivity	IS:14767 by Conductivity meter	0.620	mS/cm
3.	Color	*SOP , SP-78,Issue No.-01& Issue Date-14/02/2013	Yellowish Brown	--
4.	Water holding capacity	*SOP , SP-81,Issue No.-01& Issue Date-14/02/2013	42.15	%
5.	Bulk density	*SOP , SP-80,Issue No.-01& Issue Date-14/02/2013	2.45	gm/cc
6.	Chloride as Cl	*SOP , SP-85,Issue No.-01& Issue Date-14/02/2013	69.25	mg/100g
7.	Calcium as Ca	*SOP , SP-82,Issue No.-01& Issue Date-14/02/2013	82.14	mg/100g
8.	Sodium as Na	*SOP , SP-84,Issue No.-01& Issue Date-14/02/2013	49.14	mg/kg
9.	Potassium as K	*SOP , SP-84,Issue No.-01& Issue Date-14/02/2013	38.14	kg/hect.
10.	Organic Matter	IS:2720 (P-22) Titrimetric Method	1.12	%
11.	Magnesium as Mg	*SOP , SP-83,Issue No.-01& Issue Date-14/02/2013	29.63	mg/100g
12.	Available Nitrogen as N	IS:14684 Distillation Method	287.14	kg/hect.
13.	Available Phosphorus	*SOP , SP-86,Issue No.-01& Issue Date-14/02/2013	16.45	kg/hect.
14.	Zinc (as Zn)	USEPA 3050B	25.41	mg/kg
15.	Manganese (as Mn)	USEPA 3050B	3.65	mg/kg
16.	Lead (as Pb)	USEPA 3050B	2.14	mg/kg
17.	Cadmium (as Cd)	USEPA 3050B	0.96	mg/kg
18.	Chromium (as Cr)	USEPA 3050B	1.83	mg/kg
19.	Copper (as Cu)	USEPA 3050B	3.63	mg/kg
20.	Soil Texture	*SOP , SP-87,Issue No.-01& Issue Date-14/02/2013	Silty Loam	--

*SOP-Laboratory standard operating procedure.


KARAN SHARMA
(Tested By)
Jr. Lab Analyst


Dr. Shiv Singh
(Checked By)
Manager



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

www.vardan.co.in



Vardan EnviroLab

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

Test Report

Sample Number: VEL/DH/ST/01 Report No.: VEL/ST/2104/09/004
Name & Address of the Project: M/s Digi Homes, Golf Course Extension Road, Sector - 62, Gurugram, (Haryana).
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 13/04/2021
Period of Analysis: 09/04/2021 to 13/04/2021
Receipt Date: 09/04/2021

Sample Description : Stack Emission Monitoring

Sample Collected : Vardan EnviroLab Representative
Date of Sampling : 08/04/2021
Sampling Location : D.G. Set Area
Sampling duration (Minutes) : 32.00
Stack attached to : D.G. SetNo.1 (125KVA)
Make of stack : MS
Diameter of stack : 0.10 Mtr
Height of stack : 7.5 Mtr
Meteorological Condition : Clear Sky
Instrument calibration status : Calibrated
Ambient Temperature - Ta (°C) : 32.0
Temperature of Stack Gases - Ts (°C) : 154.0
Velocity of Stack Gases (m/sec.) : 8.41
Flow rate of PM (LPM) : 24.0
Flow rate of Gas (LPM) : 2.00
Sampling condition : Isokinetic
Protocol used : IS :11255& EPA

RESULTS

S. No.	Parameter	Protocol	Result	Unit	Limits (As Per CPCB)
1.	Particulate Matter (PM)	IS 11255 (P-1) Gravimetric Method	0.062	gm/Kw-hr	≤0.2
2.	Oxide of Nitrogen (as NOX)	IS 11255 (P-7) Colorimetric Method	1.16	gm/Kw-hr	≤4.0
3.	Total Hydrocarbon as Methane	SOP,SP-194,Issued No.01:2018	0.75	gm/Kw-hr	≤4.0
4.	Sulphur Dioxide(as SO ₂)	IS:11255 (P-2), Titrimetric Method, RA:2003	0.27	gm/Kw-hr	Not Specified
5.	Carbon Monoxide (as CO)	*SOP No. VEL/SOP/01, Section No. SP 74	1.36	gm/Kw-hr	≤3.5

*SOP-Laboratory Standard operating procedure.

KANCHAN SHARMA
(Tested By)
Jr. Lab Analyst

BIBHAK
(Checked By)
Dy. Technical Manager

Dr. Shikha Prakash
(Approved By)
Authorized 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/DH/ST/02 Report No.: VEL/ST/2104/09/005
Name & Address of the Project: M/s Digi Homes.
Golf Course Extension Road
Sector - 62, Gurugram, (Haryana).
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 13/04/2021
Period of Analysis: 09/04/2021 to 13/04/2021
Receipt Date: 09/04/2021

Sample Description : Stack Emission Monitoring

Sample Collected : Vardan EnviroLab Representative
Date of Sampling : 08/04/2021
Sampling Location : D.G. Set Area
Sampling duration (Minutes) : 35.0
Stack attached to : D.G. Set No.2 (82.5 KVA)
Make of stack : MS
Diameter of stack : 0.10 Mtr
Height of stack : 7.5 Mtr
Meteorological Condition : Clear Sky
Instrument calibration status : Calibrated
Ambient Temperature - T_a ($^{\circ}\text{C}$) : 33.0
Temperature of Stack Gases - T_s ($^{\circ}\text{C}$) : 122.0
Velocity of Stack Gases (m/sec.) : 7.48
Flow rate of PM (LPM) : 20.0
Flow rate of Gas (LPM) : 2.0
Sampling condition : Isokinetic
Protocol used : IS :11255

RESULTS

S. No.	Parameter	Protocol	Result	Unit	Limits (As Per CPCB)
1.	Particulate Matter (PM)	IS 11255 (P-1) Gravimetric Method	0.036	gm/Kw-hr	≤ 0.3
2.	Sulphur Dioxide(as SO ₂)	IS:11255 (P-2), Titrimetric Method, RA:2003	0.12	gm/Kw-hr	Not Specified
3.	Nitrogen Dioxide (as NO ₂)	IS 11255 (P-7) Colorimetric Method	1.35	gm/Kw-hr	≤ 4.7
4.	Total Hydrocarbon as Methane	By Gas Chromatography Method	0.78	gm/Kw-hr	
5.	Carbon Monoxide (as CO)	*SOP No. VEL/SOP/01, Section No. SP 74	0.93	gm/Kw-hr	≤ 3.5

*SOP-Laboratory Standard operating procedure.

KANCHAN SHARMA
(Pested By)
Lab Analyst

SUBODH SNEKHAWAT
DY. TECHNICAL MANAGER



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/DH/ST/03 Report No.: VEL/ST/2104/09/006
Name & Address of the M/s Digi Homes. Format No.: 7.8 F-01
Project: Golf Course Extension Road Party Reference No.: NIL
Sector - 62, Gurugram, (Haryana). Reporting Date: 13/04/2021
Period of Analysis: 09/04/2021 to 13/04/2021
Receipt Date: 09/04/2021

Sample Description : Stack Emission Monitoring

Sample Collected : Vardan Envirolab Representative
Date of Sampling : 08/04/2021
Sampling Location : D.G. Set Area
Sampling duration (Minutes) : 31.0
Stack attached to : D.G. Set No.3 (125 KVA)
Make of stack : M S
Diameter of stack : 0.10 Mtr
Height of stack : 7.5 Mtr
Meteorological Condition : Clear Sky
Instrument calibration status : Calibrated
Ambient Temperature - Ta (°C) : 33.0
Temperature of Stack Gases - Ts (°C) : 158.0
Velocity of Stack Gases (m/sec.) : 8.72
Flow rate of PM (LPM) : 21.0
Flow rate of Gas (LPM) : 2.0
Sampling condition : Isokinetic
Protocol used : IS :11255 & EPA

RESULTS

S. No.	Parameter	Protocol	Result	Unit	Limits (As Per CPCB)
1.	Particulate Matter (PM)	IS 11255 (P-1) Gravimetric Method	0.037	gm/Kw-hr	≤0.2
2.	Oxide of Nitrogen (as NOX)	IS 11255 (P-7) Colorimetric Method	1.25	gm/Kw-hr	≤4.0
3.	Total Hydrocarbon as Methane	SOP, SP-194, Issued No.01:2018	0.65	gm/Kw-hr	
4.	Sulphur Dioxide (as SO ₂)	IS:11255 (P-2), Titrimetric Method, RA:2003	0.29	gm/Kw-hr	Not Specified
5.	Carbon Monoxide (as CO)	*SOP No. VEL/SOP/01, Section No. SP 74	1.42	gm/Kw-hr	≤3.5

*SOP-Laboratory Standard operating procedure.

KANCHAN SHARMA
(Tested By)
Jr. Lab Analyst

SUDIP SIKHAWAT
(Checked By)
DY. TECHNICAL MANAGER

Approved By
Prakash Singh
Authorised Sign

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/DH/ST/04 Report No.: VEL/ST/2104/09/007
Name & Address of the M/s Digi Homes. Format No.: 7.8 F-01
Project: Golf Course Extension Road Party Reference No.: NIL
Sector - 62, Gurugram, (Haryana). Reporting Date: 13/04/2021
Period of Analysis: 09/04/2021 to 13/04/2021
Receipt Date: 09/04/2021

Sample Description : Stack Emission Monitoring

Sample Collected : Vardan Envirolab Representative
Date of Sampling : 08/04/2021
Sampling Location : D.G. Set Area
Sampling duration (Minutes) : 36.0
Stack attached to : D.G. Set No-4(125 KVA)
Make of stack : M S
Diameter of stack : 0.10 Mtr
Height of stack : 7.5 Mtr
Meteorological Condition : Clear Sky
Instrument calibration status : Calibrated
Ambient Temperature -Ta (°C) : 33.0
Temperature of Stack Gases - Ts (°C) : 155.0
Velocity of Stack Gases (m/sec.) : 8.68
Flow rate of PM (LPM) : 21.0
Flow rate of Gas (LPM) : 2.0
Sampling condition : Isokinetic
Protocol used : IS :11255 & EPA

RESULTS

S. No.	Parameter	Protocol	Result	Unit	Limits (As Per CPCB)
1.	Particulate Matter (PM)	IS 11255 (P-1) Gravimetric Method	0.051	gm/Kw-hr	≤0.2
2.	Oxide of Nitrogen (as NOX)	IS 11255 (P-7) Colorimetric Method	1.42	gm/Kw-hr	≤4.0
3.	Total Hydrocarbon as Methane	SOP, SP-194, Issued No.01:2018	0.81	gm/Kw-hr	Not Specified
4.	Sulphur Dioxide(as SO2)	IS:11255 (P-2), Titrimetric Method, RA:2003	0.33	gm/Kw-hr	≤3.5
5.	Carbon Monoxide (as CO)	*SOP No. VEL/SOP/01, Section No. SP 74	0.98	gm/Kw-hr	≤3.5

*SOP-Laboratory Standard operating procedure.

KANCHAN SHARMA
(Tested By)
Jr. Lab Analyst

SUBODH SHEKHAWAT
(Checked By)
DY. TECHNICAL MANAGER



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/DH/PN/01 **Report No.:** VEL/ST/2104/09/002
Name & Address of the Project: M/s Digi Homes.
Golf Course Extension Road
Sector - 62, Gurugram, (Haryana). **Format No.:** 7.8 F-01
Party Reference No.: NIL
Reporting Date: 13/04/2021
Period of Analysis: 09/04/2021 to 13/04/2021
Receipt Date: 09/04/2021

Sample Description: DG NOISE MONITORING

General Information:-

Sample collected by : Vardan EnviroLab Representative
Sampling Location : DG Room (3 NOS. 125 KVA & 1 NOS 82.5 KVA)
Instrument Used : Sound Level Meter
Instrument Code : VEL/SLM/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 08/04/2021
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)		
			Inside DG Room Result dB(A)	Outside of DG Room (0.5 Meter Distance) Result dB(A)	Insertion Loss
1.	L_{eq}	CPCB Guideline & Indian Standard:9989	95.8	70.5	25.3
2.	CPCB Limits in dB ("A)	-	-	75.00	25.00

Kanchan
KANCHAN SHARMA
(Test By)
Lab Analyst

Subodh
SUBODH SHEKHAWAT
(Checked By)
Technical Manager



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

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Vardan EnviroLab

ANNEXURE 8

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

Test Report

Sample Number: VEL/DH/A/01 Report No.: VEL/A/2104/09/002
Name & Address of the Project: M/s Digi Homes. Format No.: 7.8 F-01
Golf Course Extension Road Party Reference No.: NIL
Sector - 62, Gurugram, (Haryana). Reporting Date: 13/04/2021
Period of Analysis: 09/04/2021 to 13/04/2021
Receipt Date: 09/04/2021

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near Main Gate
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 : 08/04/2021 to 09/04/2021
Time of Monitoring : 10:30 AM to 10:30 AM
Ambient Temperature (°C) : Min. 21.0°C, Max. 32.0°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	179.14	µg/m ³	100
2.	Particulate Matter (as PM - 2.5)	SOP No. VEL/SOP/01, Section No. SP 63:2013	98.25	µg/m ³	60
3.	Nitrogen Dioxide (as NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser, RA:2006	26.31	µg/m ³	80
4.	Sulphur Dioxide (as SO ₂)	IS: 5182 (P-2), Modified West and Gaeke, RA:2012	14.62	µg/m ³	80
5.	Carbon Monoxide (as CO)	IS: 5182 (P-10), Gas Chromatography, RA:2003	0.80	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

KAMRAN SHARMA
(Tested By)
Jr. Lab Analyst

Dr. Smita Singh
(Checked By)
Dy. Technical Officer



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

www.vardan.co.in

Ph: 0124-4343750/752/753, 9810355569, 9953147268 E-mail: lab@vardanenviromet.com, bd@vardanenviromet.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/DH/AN/01 Report No.: VEL/AN/2104/09/002
Name & Address of: M/s Digi Homes. Format No.: 7.8 F-01
Party: Golf Course Extension Road Party Reference No.: NIL
Sector - 62, Gurugram, (Haryana). Reporting Date: 13/04/2021
Period of Analysis: 09/04/2021 to 13/04/2021
Receipt Date: 09/04/2021

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/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 08/04/2021 to 09/04/2021
Time of Monitoring : 06:00 AM to 06:00 AM
Ambient Temperature (°C) : Min. 21.0°C, Max. 28.0°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 Client Requirement

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	63.1	57.7	dB(A)
2.	L_{min}	IS- 9989	45.5	39.4	dB(A)
3.	L_{eq}	IS -9989	52.41	42.63	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.

KANISHKA SHARMA
(Tested By)
Jr. Lab Analyst

(Checked By)

(Approved By)



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

www.vardan.co.in

DAKSHIN HARYANA BIJLI VITRAN NIGAM
(Govt. of Haryana Undertaking)
Office of Sub Divisional Officer- Operation
Sub Division, DHBVN, Badshahpur.
Tel. no. 0124-2361238, Mob-9540954904
Email: sdobadshahpur@gmail.com

To,

M/s Emaar MGF Land Ltd.
At Sec-62
Gurgaon

Memo No. :- 2354

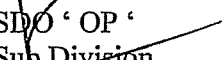
Date :- 11.11.2014

**Sub : Assurance of Power Supply for Residential Colony at Sector- 62,
Gurgaon License no. 265 of 2007 renewed vide no. 17395 of 06.08.2014 of
2014.**

Ref : i) Your Letter dated 11.11.2014 submitted to this office.

Pl refer to the subject matter above, In this regard it is intimated that the Power Supply as per your requirement of 6.6 MVA at 33 KV level for License no. 265 of 2007 renewed vide no. 17395 of 06.08.2014 of 2014 is available at the 220/33 KV Grid Station situated in Sector – 72, Gurgaon.

The supply shall be released as per DHBVN norms as soon as the HT feeder is erected by you and formalities are completed as required by DHBVN.


SDO 'OP'
Sub Division
DHBVN, Badshahpur.