



Emaar MGF Land Ltd
Emaar Business Park
MG Road, Sikanderpur Crossing
Sector-28, Gurgaon

tel 0124-4421155

www.emaar-india.com

Date: 25.11.2020

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 Commercial Colony (3.833 Acres) at Village Virendra Gram, Sikandarpur Ghosi, Sector-26, Gurgaon, Haryana by M/s Emaar MGF Land Limited – Submission of Six-monthly Compliance Report – **Dec 2020**

Ref.: Environment Clearance Letter No. SEIAA/HR/2013/476 dated 12.07.2013.

Dear Sir,

With regards to the above-mentioned subject and reference, we are hereby submitting soft copy of six-monthly Compliance Report for the proposed Commercial Colony (3.833 Acres) for **December 2020**

Thanking You

For M/S EMAAR MGF LAND 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 Commercial Colony Project at Village Virendra Gram, Sikandarpur Ghosi, Sector-26, Gurgaon, Haryana

Environmental Clearance No. : No. SEIAA/HR/2013/476, dated 12th July 2013

Part A: Specific Conditions

I. Construction Phase : The project has obtained Occupation Certificate for the complete project on 11.09.2019, hence construction phase is not 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/: 2821214GUNOCTE174140 dated 03/01/2014 from Haryana State Pollution Control Board. Recent Consent to Establish valid till 11.07.2020 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 was provided at Project site and the same is being maintained in operation phase also.
3	Adequate drinking water & sanitary facilities should 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 including mobile toilets were maintained at project site. Wastewater & solid wastes generated during construction phase was being disposed off safely. HUDA water through tanker is used for construction. Drinking water analysis 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.	Top soil excavated during construction phase has being used for landscaping purpose at site.
5	The project proponent shall ensure that the building material required during construction phase is properly stored within the project area and disposal of construction waste should not create	Building material required during construction were stored at designated place. All

	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.	the necessary action were taken while disposing construction waste to prevent any adverse effect.
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 was only hazardous waste generated at present & was being stored in earmarked area. Soil analysis reports is enclosed as Annexure 2
7	The diesel generator sets to be used during construction phase should be of ultra low sulphur diesel type & should conform to Environment (Protection) Rules prescribed for air & noise emission standards.	Low sulphur diesel was being used to run Diesel generator sets with proper acoustic enclosure. Copy of report for DG stack emission and DG noise is attached as Annexure 3 & Annexure 4.
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 is made for storage of diesel. Permission from Chief Controller of Explosives has been obtained
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.	Ambient air and noise level monitoring is carried out at project site. Copy of reports is 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 was being utilized for construction.
11	Storm water control and its reuse as per CGWB and BIS standards for various applications should be ensured.	Storm water was channelized through storm drainage system and will be reused and controlled as per CGWB norms.
12	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents & other best practices.	Best practices adopted to reduce water demand.
13	In view of the severe constrains in water supply augmentation in the region and sustainability of water resources, the developer will submit the NOC from CGWA specifying water extraction quantities and assurance from HUDA/utility provides indicating source of water supply and quantity of water with details of intended use of water - potable and non-potable. Assurance is required for both construction and operation stages separately. It shall be submitted to the SEIAA and RO MoEF, Chandigarh before the start of construction.	Potable and non-potable water for the project is being taken from GMDA for which permission are enclosed as Annexure 7
14	Roof should meet prescriptive requirement as per Energy	Energy conservation measures

	Conservation Building Code by using appropriate thermal insulation material.	is being adopted.
15	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is desirable for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	Optimum window sizes and openings provided on external face of the building. Window to wall ratio WWR 0.3 - 0.4. Glass surfaces protected by overhangs.
16	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 proposed site, clearance under Forest Conservation Act shall be obtained from the Competent Authority.	Necessary approvals have been obtained from Town and Country Planning Dept. for structural safety. No forest land is involved in the proposed project. Hence clearance from Forest Dept. under Forest Conservation Act is not required. Fire safety scheme approval for the project obtained and submitted. Clearance from Forest Department has already been submitted.
17	Overexploited groundwater and impending severe shortage of water supply in the region requires the developer to redraw the water and energy conservation plan. Developer shall reduce the overall footprint of the project development. Project proponent shall incorporate water efficiency/savings measures as well as water reuse/recycling within 3 months and before start of construction to the SEIAA, Haryana and RO, MoEF, GOI, Chandigarh.	For construction purpose treated wastewater from designated location by HUDA was utilized. Water efficient fixtures is being used in plumbing works as saving measures during operational phase. Dual plumbing system is being adopted for reuse of recycled water, details submitted with project EIA report.
18	The Project proponent shall construct 04 nos. 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.	The same is being adhered. Rain water harvesting permission has already been submitted.
19	The project proponent shall provide minimum one hydraulic ladder of sufficient length for escape of people in case of fire.	The same is being adhered.
20	The Project Proponent shall submit assurance from the DHBVN for supply of 3215 KVA 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	DHVBVN has sanctioned 1 MVA load for which formal intimation is awaited.

	utility.	
21	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.
22	The Project Proponent shall obtain NOC from nearest fire station before the start of construction.	Fire safety scheme approval for the project obtained and has been submitted with previous compliance report.
23	The Project Proponent shall not raise any construction in the natural land depression I Nallah/water course and shall ensure that the natural flow from the Nallah/water course is not obstructed.	The same has been adhered.
24	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.	The same has been adhered.
25	Construction shall be carried out so that density of population does not exceed norms approved by Director General Town and Country Department Haryana.	The same has been adhered.
26	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
27	The project proponent shall not cut any existing tree and project landscaping plan should be modified to include those trees in green area.	The same has been adhered.
28	The project proponent shall ensure that ECBC norms for composite climate zone are met. In particular building envelope, HVAC service, water heating, pumping, lighting and electrical infrastructure must meet ECBC norms.	The same has been adhered.
29	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.	The same has been adhered.
30	The project proponent shall construct a sedimentation basin in the lower level of the project site to trap pollutant and other wastes during rains.	The same has been adhered.
31	The project proponent shall provide proper Rasta of proper width and proper strength for each project before the start of construction.	The same has been adhered.
32	Vertical fenestration shall not exceed 40% of total wall area.	The same has been adhered.
33	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.	The same has been adhered.
34	The project proponent shall provide all the safety measures for the workers during construction of high rise building.	The same has been adhered.

35	The project proponent shall submit NOC from Airport Authority regarding height clearance before the start of construction.	Copy of NOC from AAI already submitted.
36	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.	The same has been adhered.
37	The project proponent shall provide one refuse area till 24 meter, one till 39 meter and one each after 15 meters as per National Building Code.	The same has been adhered.
38	The project proponent shall provide fire control room and fire officer for building above 30 meter as per National Building Code.	The same has been adhered.
39	The project proponent shall obtain permission of Mines and Geology Department for excavation of soil before the start of construction.	Permission for excavation of soil obtained from Mines and Geology Dept. and already submitted.
40	The project proponent shall provide helipad facility as required under NBC norms and shall seek permission of helipad from AAI accordingly.	The same is not applicable as height is less.
41	The project proponent shall submit proper certificate regarding non-applicability of Aravali Notification before the start of construction.	Copy of Aravali NOC through DC has already been submitted with previous compliance report.
42	The project proponent shall use only treated water for cooling and shall submit revised water balance diagram.	Being commercial project the treated wastewater will be exhausted in flushing & gardening water requirement, therefore for the cooling makeup water partly fresh water will be utilized.
43	The project proponent shall submit an affidavit to the effect that no violation of any laws/rules of Govt. of India/State Govt. or its enforcing authority have been done and no litigation or action has been initiated or is pending against the project proponent in respect of the land in which the project is to be set up before the start of construction or sale of property.	Affidavit already submitted.

II. Operation Phase

S.No.	Specific Condition	Status
a	"Consent to Operate" shall be obtained from Haryana State Pollution Control Board under Air & Water Act and copy shall be submitted to SEIAA, Haryana.	Consent to Operate has been obtained and the latest copy as Annexure 8
b	The Sewage Treatment Plant (STP) shall be installed for treatment of sewage to the prescribed standards including odour & treated effluent shall be recycled. The installation of STP should be certified by an independent expert and a report in this regard should be submitted to the SEIAA, Haryana before the project is	The same is being adhered.

	commissioned for operation. Tertiary treatment of wastewater is mandatory. Discharge of treated sewage shall conform to the norms and standards of HSPCB, Panchkula. Project Proponent shall implement such STP technology which does not require filter backwash.	
c	Separation of grey & black water should be done by use of dual plumbing line. Treatment of 100% gray water by decentralized treatment should be done ensuring that the re-circulated water should have BOD level less than 10 mg/litre & the recycled water will be used for flushing, gardening & DG set cooling etc.	The same is being adhered.
d	For disinfections of treated waste water ultra-violet radiation or ozonization process should be used.	Ultra violet radiation is used for disinfection.
e	The solid waste generated should be properly collected & segregated. Bio-degradable waste should be decomposed at site and dry/inert solid waste should be disposed off to approved sites for land filling after recovering recyclable material.	We are in process of installing Organic Waste Converter.
f	Diesel power generating sets proposed as source of back-up power for lifts, common area illumination & for domestic use should be of enclosed type & conform to rules made under Environment (Protection) Act 1986. The location of DG Sets should be in the basement as promised by the project proponent with appropriate stack height i.e. above the roof level as per the CPCB norms. The diesel used for DG sets should be ultra low sulphur diesel (0.05% sulphur), instead of low sulphur diesel.	The same is being adhered.
g	Ambient noise level should be controlled to ensure that it does not exceed the prescribed standards both within & at the boundary of the proposed residential complex.	The same is being adhered.
h	The project proponent should maintain at least 32.05% as green cover area for tree plantation especially all around periphery of the project & on road sides preferably with local species which can provide protection against noise & suspended particulates matter. The open spaces inside the project should be preferably landscaped & covered with vegetation/grass, herbs & shrubs. Only locally available plant species shall be used.	The same is being adhered.
i	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.	The same is being adhered.
j	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 should 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	The same is being adhered.

	contaminate rain water. Wire mesh and filters should be used wherever required.	
k	The ground water level & its quality should be monitored regularly in consultation with Central Ground Water Authority.	The same is not applicable as project doesn't have any borewell.
l	There should be no traffic congestion near entry & exit points from the roads adjoining the proposed project site. Parking should be fully internalized and no public space should be utilized.	The same is being adhered.
m	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 submit to SEIAA, Haryana in three months time.	R & U factors of building materials submitted to SEIAA
n	Energy conservation measures like installation of LED for lighting the areas outside 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 extent possible for energy conservation.	The same is being adhered. LED is used for lighting and solar panel is used for street lighting.
o	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.	The same is being adhered.
p	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.	The same will be adhered.
q	The provision of Solar water heating system shall be as per norms specified by HAREDA & shall be made operational in each building block.	Decentralized power generation has been adopted.
r	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.	The same is being adhered.
s	The project shall be operationalized only when HUDA/local authority will provide domestic water supply system in the area.	The water connection from GMADA has already been applied.
t	Operation and maintenance of STP, solid waste management and electrical Infrastructure, pollution control measures shall be ensured even after the completion of sale.	The same is being adhered.
u	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	The same is being adhered.

	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 should be disposed of to only registered and authorized dismantler / recycler.	
v	Standards for discharge of environmental pollutants as enshrined in various schedules of rule 3 of Environment Protection Rule 1986 shall be strictly complied with.	The same is being adhered.
w	The project proponent shall make provision of 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.	The same is being adhered.
x	The project proponent shall ensure that the stack height of DG sets is as per the CPCB guide lines 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.	The same is being adhered. DG stack and noise emission report is enclosed as Annexure 3 & Annexure 4 respectively.
y	All electric supply exceeding 100 amp, 3 phase shall maintain the power factor between 0.98 lag to 1 at the point of connection.	The same is being adhered.
z	The project proponent shall minimize heat island effect through shading and reflective or pervious surface instead of hard surface.	The same is being adhered.
aa	The project proponent shall use only treated water instead of fresh water for DG cooling. 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, 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.	The same is being adhered.
ab	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.	The same is being adhered.
ac	Water supply shall be metered among different utilities.	The same is being adhered.
ad	The project proponent shall ensure that exit velocity from the stack should be sufficiently high. Stack shall be designed in such a way that there is no stack down-water under any meteorological conditions.	The same is being 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	Noted

S.No.	General Condition	Status
	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.	
ii	Six monthly compliance reports should be submitted to HSPCB and Regional Office, MoEF, GOI Northern Region, Chandigarh and a copy to the SEIAA, Haryana.	Six monthly report is being submitted to Regional Office, MoEF, and copy to HSPCB, and SEIAA Haryana.
iii	Noise, STP outlet and stack emission shall be monitored daily. Other environmental parameters shall be monitored on monthly basis. After every 3 (three) months, the project proponent shall conduct environmental audit and shall take corrective measure, if required, without delay.	Noted
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.	Noted
v	The Project proponent shall not violate any judicial orders/pronouncements issued by any Court/Tribunal.	Noted
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.	Permission from Airport Authority, NOC through DC and Consent to Establish NOC from HSPCB have been obtained and submitted.
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 already been 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.	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

S.No.	General Condition	Status
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.	Corporate Environment Policy already submitted.
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.	Noted.
xii	The project proponent shall obtain NOC under Aravalli Notification from CEC of Hon'ble Supreme court regarding coverage under Aravalli Notification before start of construction.	Copy of Aravali NOC obtained through DC already submitted.
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.	The same is being 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



Vardan EnviroLab

ANNEXURE 1

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
Branch Off: Plot No. 24 & 25, Narayan Vihar, Block-B, Jaipur - 302035 (Rajasthan)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/ECT/W/01	Report No.:	VEL/W/2011/20/001
Name & Address of Project:	M/s Emaar MGF Land Limited Capital Tower, Village-Sikanderpur Gosi, Sector-28, Gurgaon, Haryana	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	25/11/2020
		Period of Analysis:	20/11/2020 to 25/11/2020
		Receipt Date:	19/11/2020
Sample Description:	Drinking Water Sample	Sampling Date:	18/10/2020
Sampling Location:	Maintenance Office	Type of Sampling:	Grab
Sample Collected by:	Vardan Enviro Lab Team	Sampling Quantity:	2.0 Ltr.
Sampling & Analysis Protocol:	IS & APHA	Preservation:	Refrigerated

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source
1.	pH (at 25 °C)	APHA .4500-H ⁺ B Electrometric Method	7.26	--	6.5 to 8.5	No Relaxation
2.	Colour	APHA .2120 B. Visual Comparison Method	*BDL (**DL 5Hazen)	Hazen	5	15
3.	Turbidity	APHA. 2130 B. Nephelometric Method	*BDL (**DL 0. 1 NTU)	NTU	1	5
4.	Odour	APHA. 2150 B . Threshold Test Method	Agreeable	--	Agreeable	Agreeable
5.	Taste	APHA . 2160 B. Threshold Test Method	Agreeable	--	Agreeable	Agreeable
6.	Total Hardness as CaCO ₃	APHA . 2340 C. EDTA Titrimetric Method	60.22	mg/l	200	600
7.	Calcium as Ca	APHA. 3500 Ca B. EDTA Titrimetric Method	12.84	mg/l	75	200
8.	Alkalinity as CaCO ₃	APHA . 2320 B. Titrimetric Method	54.00	mg/l	200	600
9.	Chloride as Cl	APHA. 4500-Cl ⁻ B. Argentometric Method	19.50	mg/l	250	1000
10.	#Cyanide as CN	APHA . 4500 CN ⁻ D	*BDL (**DL 0.02 mg/l)	mg/l	0.05	No Relaxation
11.	Magnesium as Mg	APHA . 3500 Mg B. Calculation Method	6.84	mg/l	30	100
12.	Total Dissolved Solids	APHA . 2540 C. Gravimetric Method	154.00	mg/l	500	2000
13.	Sulphate as SO ₄	APHA . 4500 E. Turbidimetric Method	2.12	mg/l	200	400
14.	Fluoride as F	APHA . 4500-F ⁻ D. SPADNS Method	0.28	mg/l	1.0	1.5
15.	Nitrate as NO ₃	IS 3025 (P-34) .Chromotropic Method	1.26	mg/l	45	No Relaxation
16.	Iron as Fe	APHA . 3500-Fe B 1.10 Phenanthroline Method	0.12	mg/l	0.3	No relaxation
17.	Aluminium as Al	APHA . 3111 B	*BDL (**DL 0.02 mg/l)	mg/l	0.03	0.2
18.	Boron	APHA, 4500B C. Carmine Method	*BDL (**DL 0.01 mg/l)	mg/l	0.5	1
19.	Total Chromium as Cr	APHA . 3111 B. Direct Air. Acetylene Flame Method	*BDL (**DL 0.03 mg/l)	mg/l	0.05	No Relaxation

(Tested By)
ROHIT SINGH
ANALYST

(Checked By)
BODH SHEKHAWAT
DY. TECHNICAL MANAGER

(Approved By)
Dr. Shiv Prakash Singh
Director

NOTE: a) The results listed refer only to the tested samples & applicable parameters
b) Total liabilities of our lab will be restricted to the invoice amount only
c) The sample will be destroyed after retention time unless otherwise specified
d) This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law

www.vardan.co.in

Tel : 0124-4343750, 4343752, 4343753, 4343766 | lab@vardanenviromet.com | bd@vardanenviromet.com



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
Branch Off: Plot No. 24 & 25, Narayan Vihar, Block-B, Jaipur - 302035 (Rajasthan)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample No.: VEL/ECT/W/01				Report No: VEL/W/2011/20/001		
S. No	Parameter	Test-Method	Result	Unit	Limits of IS:10500-2012	
					Requirement (Acceptable) Limit	Permissible limit in the Absence of Alternate Source
20.	Phenolic Compounds	APHA. 5530 C Chloroform Extraction Method	*BDL(**DL 0.001 mg/l)	mg/l	0.001	0.002
21.	#Mineral Oil	Clause 6 of IS:3025(Part 39)	*BDL(**DL 0.01mg/l)	mg/l	0.5	No Relaxation
22.	#Anionic Detergents as MBAS	APHA. 5540 C MBAS Method	*BDL(**DL 0.02 mg/l)	mg/l	0.2	1.0
23.	Zinc as Zn	APHA . 3111 B. Direct Air. Acetylene Flame Method	*BDL	mg/l	5	15
24.	Copper as Cu	APHA . 3111 B. Direct Air. Acetylene Flame Method	*BDL	mg/l	0.05	1.5
25.	Manganese as Mn	APHA . 3111 B. Direct Air. Acetylene Flame Method	*BDL(**DL 0.06 mg/l)	mg/l	0.1	0.3
26.	Cadmium as Cd	APHA . 3111 B. Direct Air. Acetylene Flame Method	*BDL(**DL 0.003 mg/l)	mg/l	0.003	No Relaxation
27.	Lead as Pb	APHA . 3111 B. Direct Air. Acetylene Flame Method	*BDL(**DL 0.01 mg/l)	mg/l	0.01	No Relaxation
28.	Selenium as Se	APHA . 3114 B. Manual Hydride Generation	*BDL(**DL 0.01 mg/l)	mg/l	0.01	No Relaxation
29.	Arsenic as As	APIIA . 3114 B. Manual Hydride Generation	*BDL(**DL 0.01 mg/l)	mg/l	0.01	0.05
30.	Mercury as Hg	APHA . 3111 B. Direct Air. Acetylene Flame Method	*BDL (**DL 0.001 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: - *BDL.-Below Detection Limit, **DL.- Detection Limit
#These parameter are not covered in our NABL scope.


KOMAL SINGH
(Tested By)
ANALYST


SUBODH SRIVASTAVA
(Checked By)
DY. TECHNICAL MANAGER



NOTE: a)The results listed refer only to the tested samples & applicable parameters
b) Total liabilities of our lab will be restricted to the invoice amount only
c) The sample will be destroyed after retention time unless otherwise specified
d) This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law

www.vardan.co.in

Tel : 0124-4343750, 4343752, 4343753, 4343766 | lab@vardanenviromet.com | bd@vardanenviromet.com



Vardan EnviroLab

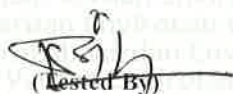
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
Branch Off: Plot No. 24 & 25, Narayan Vihar, Block-B, Jaipur - 302035 (Rajasthan)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/ECT/S/01	Report No.:	VEL/S/2011/20/001
Name & Address of Party:	M/s Emaar MGF Land Limited Capital Tower, Village-Sikanderpur Gosi, Sector- 28, Gurgaon, Haryana	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	25/11/2020
		Period of Analysis:	20/11/2020 - 25/11/2020
Sample Description:	Soil Sample	Receipt Date :	20/11/2020
Sampling Location:	Project Site	Sampling Date:	19/11/2020
Packing Status:	Temp Sealed	Type of Sampling:	Composite
Sampling & Analysis Protocol:	IS 2720 & USDA	Sampling Quantity:	2.0 Kg

S. No.	Parameter	Test-Method	Result	Unit
1.	pH (at 25 °C)	IS : 2720 (P-26) by pH Meter	7.51	--
2.	Conductivity	IS:14767 by Conductivity meter	0.436	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	39.60	%
5.	Bulk density	*SOP . SP-80.Issue No.-01 & Issue Date-14/02/2013	1.64	gm/cc
6.	Chloride as Cl	*SOP . SP-85.Issue No.-01 & Issue Date-14/02/2013	59.32	mg/100g
7.	Calcium as Ca	*SOP . SP-82.Issue No.-01 & Issue Date-14/02/2013	92.31	mg/100g
8.	Sodium as Na	*SOP . SP-84.Issue No.-01 & Issue Date-14/02/2013	48.31	mg/kg
9.	Potassium as K	*SOP . SP-84.Issue No.-01 & Issue Date-14/02/2013	36.31	kg/hect.
10.	Organic Matter	IS:2720 (P-22) Titrimetric Method	0.68	%
11.	Magnesium as Mg	*SOP . SP-83.Issue No.-01 & Issue Date-14/02/2013	28.61	mg/100g
12.	Available Nitrogen as N	IS:14684 Distillation Method	281.34	kg./hect.
13.	Available Phosphorus	*SOP . SP-86.Issue No.-01 & Issue Date-14/02/2013	19.58	kg./hect.
14.	Zinc (as Zn)	USEPA 3050B	24.82	mg/kg
15.	Manganese (as Mn)	USEPA 3050B	4.46	mg/kg
16.	Lead (as Pb)	USEPA 3050B	1.32	mg/kg
17.	Cadmium (as Cd)	USEPA 3050B	0.83	mg/kg
18.	Chromium (as Cr)	USEPA 3050B	1.86	mg/kg
19.	Copper (as Cu)	USEPA 3050B	3.51	mg/kg
20.	Soil Texture	IS : 2720 (P-22. RA.2003)	Silty Loam	--

* SOP Laboratory standard operating procedure.


(Tested By)

KOMAL SINGH
ANALYST


(Checked By)
JYOTI SHEKHAWAT
JY. TECHNICAL MANAGER


Dr. Shiv
Prakash
(Approved By)
Authorized Signatory

NOTE: a) The results listed refer only to the tested samples & applicable parameters
b) Total liabilities of our lab will be restricted to the invoice amount only
c) The sample will be destroyed after retention time unless otherwise specified
d) This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law

www.vardan.co.in



Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
Branch Off: Plot No. 24 & 25, Narayan Vihar, Block-B, Jaipur - 302035 (Rajasthan)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/ECT/ST/01	Report No.:	VEL/ST/2009/11/008
Name & Address of Party:	M/s Emaar MGF Land Limited Capital Tower, Village-Sikanderpur Gosi, Sector-28, Gurgaon, Haryana.	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	15/09/2020
		Period of Analysis:	11/09/2020 to 15/09/2020
		Receipt Date:	11/09/2020


Sample Description : Stack Emission Monitoring

Sample Collected	:	Vardan Enviro Lab Representative
Date of Sampling	:	10/09/2020
Sampling Location	:	D.G. Set Area
Sampling duration (Minutes)	:	30.00
Stack attached to	:	D.G. Set No.1 (625 KVA)
Make of stack	:	M S
Diameter of stack	:	0.25 Mtr
Height of stack	:	100 Mtr
Meteorological Condition	:	Clear Sky
Instrument calibration status	:	Calibrated
Ambient Temperature -Ta (°C)	:	32.0
Temperature of Stack Gases - Ts (°C)	:	164.0
Velocity of Stack Gases (m/sec.)	:	8.74
Flow rate of PM (LPM)	:	25.0
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	0.082	gm/Kw-hr	≤0.2
2.	Oxide of Nitrogen (as NOX)	IS 11255 (P-7) Colorimetric Method	1.28	gm/Kw-hr	≤4.0
3.	Total Hydrocarbon as Methane	SOP.SP-194, Issued No.01:2018	0.82	gm/Kw-hr	
4.	Sulphur Dioxide(as SO2)	IS:11255 (P-2), Titrimetric Method, RA:2003	0.26	gm/Kw-hr	Not Specified
5.	Carbon Monoxide (as CO)	SOP No. VEL/SOP/01, Section No. SP 74	1.54	gm/Kw-hr	≤3.5

*SOP-I laboratory Standard operating procedure.


KOMAL SINGH
ANALYST


(Checked By)
JODH SHEKHAWAT
DY. TECHNICAL MANAGER



NOTE: a) The results listed refer only to the tested samples & applicable parameters
b) Total liabilities of our lab will be restricted to the invoice amount only
c) The sample will be destroyed after retention time unless otherwise specified
d) This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law

www.vardan.co.in



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
Branch Off: Plot No. 24 & 25, Narayan Vihar, Block-B, Jaipur - 302035 (Rajasthan)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/ECT/ST/02	Report No.:	VEL/ST/2009/11/009
Name & address of the Project:	M/s Emaar MGF Land Limited Capital Tower, Village-Sikanderpur Gosi, Sector-28, Gurgaon, Haryana.	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	15/09/2020
		Period of Analysis:	11/09/2020 to 15/09/2020
		Receipt Date:	11/09/2020

Sample Description : Stack Emission Monitoring

General Information

Sampling Location	:	DG Set Area
Sample Collected by	:	Vardan EnviroLab Representative
Date of Sampling	:	10/09/2020
Sampling Duration (Minutes)	:	30
Stack attached to	:	DG Set No.2 (1500 KVA)
Make of stack	:	M S
Diameter of stack (m)	:	0.40 Mtr
Height of stack (m)	:	100 Mtr
Instruments calibration status	:	Calibrated
Meteorological Condition	:	Clear Sky
Ambient Temperature – Ta (°C)	:	32.0
Temperature of stack Gases – Ts (°C)	:	210.0
Velocity of stack Gases (m/sec.)	:	9.52
Flow rate of PM (LPM)	:	26.0
Flow rate of Gas (LPM)	:	2.0
Sampling condition	:	Isokinetic
Protocol used	:	IS :11255 & EPA

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	56.40	mg/Nm ³	75.00
2.	Sulphur Dioxide (as SO ₂)	IS:11255 (P-2), Titrimetric Method, RA:2003	23.00	mg/Nm ³	Not Specified
3.	NOX (at 15 % O ₂ Correction)	IS:11255 (P-7), Colorimetric Method, RA:2012	160.42	ppmv	710.0
4.	Carbon Monoxide (as CO) (at 15 % O ₂ Correction)	SOP, SP-74, Issue No.01: 2018	65.31	mg/Nm ³	150.0
5.	NMHC (at 15 % O ₂ Correction)	IS:5182 (P-21), Based on GC, RA:2012	17.84	mg/Nm ³	100.0

(Analyzed By)

KOMAL SINGH

BODHISATYA HAWAT
 (Checked By)
DR. TECHNICAL MANAGER

Dr. Shiv Prakash Singh
 (Approved By)

NOTE: a) The results listed here apply only to the tested samples & applicable parameters
 b) Total liabilities of our Lab will be restricted to the invoice amount only
 c) The sample will be destroyed after retention time unless otherwise specified
 d) This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law

www.vardan.co.in

Tel : 0124-4343750, 4343752, 4343753, 4343766 | lab@vardanenvirolab.com | bd@vardanenvirolab.com



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
Branch Off: Plot No. 24 & 25, Narayan Vihar, Block-B, Jaipur - 302035 (Rajasthan)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/ECT/ST/03 Report No.: VEL/ST/2009/11/010
Name & address of the Project: M/s Emaar MGF Land Limited Capital Tower, Village-Sikanderpur Gosi, Sector-28, Gurgaon, Haryana. Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 15/09/2020
Period of Analysis: 11/09/2020 to 15/09/2020
Receipt Date: 11/09/2020


Sample Description : Stack Emission Monitoring

General Information

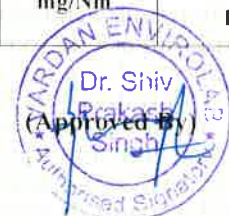
Sampling Location : DG Set Area
Sample Collected by : Vardan EnviroLab Representative
Date of Sampling : 10/09/2020
Sampling Duration (Minutes) : 32
Stack attached to : DG Set No.3 (1500 KVA)
Make of stack : Metal
Diameter of stack (m) : 0.40 Mtr
Height of stack (m) : 100 Mtr
Instruments calibration status : Calibrated
Meteorological Condition : Clear Sky
Ambient Temperature – Ta (°C) : 32.0
Temperature of stack Gases – Ts (°C) : 231.0
Velocity of stack Gases (m/sec.) : 9.84
Flow rate of PM (LPM) : 26.0
Flow rate of Gas (LPM) : 2.0
Sampling condition : Isokinetic
Protocol used : IS :11255 & EPA

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	49.72	mg/Nm ³	75.00
2.	Sulphur Dioxide (as SO ₂)	IS:11255 (P-2), Titrimetric Method, RA:2003	28.56	mg/Nm ³	Not Specified
3.	NOX (at 15 % O ₂ Correction)	IS:11255 (P-7), Colorimetric Method, RA:2012	204.53	ppmv	710.0
4.	Carbon Monoxide (as O ₂) (at 15 % O ₂ Correction)	SOP, SP-74, Issue No.01: 2018	79.34	mg/Nm ³	150.0
5.	NMHC (at 15 % O ₂ Correction)	IS:5182 (P-21), Based on GC, RA:2012	18.62	mg/Nm ³	100.0


(Checked By)
KOMAL SINGH
ANALYST


(Checked By)
SODH SHEKHAWAT
DY. TECHNICAL MANAGER



NOTE: a) The results listed refer only to the tested samples & applicable parameters
b) Total liabilities of our lab will be restricted to the invoice amount only
c) The sample will be destroyed after retention time unless otherwise specified
d) This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law

www.vardan.co.in

Tel : 0124-4343750, 4343752, 4343753, 4343766 | lab@vardanenviromet.com | bd@vardanenviromet.com



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
Branch Off: Plot No. 24 & 25, Narayan Vihar, Block-B, Jaipur - 302035 (Rajasthan)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/ECT/PN/01	Report No.:	VEL/PN/2009/11/001
Name & Address of Party:	M/s Emaar MGF Land Limited Capital Tower, Village-Sikanderpur Gosi, Sector-28, Gurgaon, Haryana	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	15/09/2020
		Period of Analysis:	11/09/2020 to 15/09/2020
		Receipt Date:	11/09/2020

Sample Description: DG NOISE MONITORING

General Information:-

- Sample collected by : Vardan Enviro Lab Representative
- Sampling Location : (02 No. DG Set 1500 KVA & 01 No. DG Set 625 KVA)
- Instrument Used : Sound Level Meter
- Instrument Code : VEL/SLM/02
- Instrument Calibration Status : Calibrated
- Meteorological condition during monitoring : Clear Sky
- Date of Monitoring : 10/09/2020
- Scope of Monitoring : Regulatory Requirement
- Control measure if any : No any
- Sampling & Analysis Protocol : IS 9989
- Sampling Duration : 30 Min.
- Parameter Required : As per Work Order

S. No.	Parameters	Test Method	Result dB(A)		
			Inside of the DG Room DG Set Result dB(A)	Outside of the DG Room (0.5 Mtr.Distance)Result dB(A)	Insertion Loss
1.	L _{eq}	CPCB Guideline & Indian Standard:9989	90.5	64.9	25.6
2.	CPCB Limits in dB (A)	-	--	75.00	25.00

KOMAL SINGH
ANALYST

(Checked By)

SUBODH SHEKHAWAT
DY. TECHNICAL MANAGER

VARDAN ENVIROLAB
Dr. Shiv Prakash Singh
(Approved By)

NOTE: a) The results listed refer only to the tested samples & applicable parameters
 b) Total liabilities of our lab will be restricted to the invoice amount only
 c) The sample will be destroyed after retention time unless otherwise specified
 d) This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
Branch Off: Plot No. 24 & 25, Narayan Vihar, Block-B, Jaipur - 302035 (Rajasthan)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/ECT/A/01	Report No.:	VEL/A/2011/20/001
Name & Address of the Project:	M/s Emaar MGF Land Limited Capital Tower, Village-Sikanderpur Gosi, Sector-28, Gurgaon, Haryana	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	25/11/2020
		Period of Analysis:	20/11/2020 to 25/11/2020
		Receipt Date:	20/11/2020

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location	: Main Gate
Sample collected by	: Vardan Enviro Lab Representative
Sampling Equipment used	: RDS & FPS
Instrument Code	: VEL/RDS/01 FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 19/11/2020 to 20/11/2020
Time of Monitoring	: 09:10 AM to 09:10 AM
Ambient Temperature (°C)	: Min. 20.0°C . Max. 27.0°C
Surrounding Activity	: Human & Vehicular Activities
Scope of Monitoring	: Regulatory Requirement
Sampling & Analysis Protocol	: IS : 5182
Sampling Duration	: 24 Hrs.
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	141.32	µg/m ³	100
2.	Particulate Matter (as PM – 2.5)	SOP No. VEL/SOP/01, Section No. SP 63:2013	114.40	µg/m ³	60
3.	Nitrogen Dioxide (as NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser, RA:2006	24.62	µg/m ³	80
4.	Sulphur Dioxide (as SO ₂)	IS: 5182 (P-2), Modified West and Gaeke, RA:2012	14.86	µg/m ³	80
5.	Carbon Monoxide (as CO)	IS: 5182 (P-10), Gas Chromatography, RA:2003	0.88	µg/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

KOMAL SINGH
(Tested By)
ANALYST

Subodh
(Checked By)
SUBODH SHEKHAWAT
DY. TECHNICAL MANAGER



NOTE: a) The results listed refer only to the tested samples & applicable parameters
 b) Total liabilities of our lab will be restricted to the invoice amount only
 c) The sample will be destroyed after retention time unless otherwise specified
 d) This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law

www.vardan.co.in

Tel : 0124-4343750, 4343752, 4343753, 4343766 | lab@vardanenvironet.com | bd@vardanenvironet.com



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
Branch Off: Plot No. 24 & 25, Narayan Vihar, Block-B, Jaipur - 302035 (Rajasthan)
ISO 9001 | ISO 14001 | ISO 45001

Test Report


Sample Number: VEL/ECT/AN/01 **Report No.:** VEL/AN/2011/20/001
Name & Address of Party: M/s Emaar MGF Land Limited Capital Tower, Village-Sikanderpur Gosi, Sector-28, Gurgaon, Haryana **Format No.:** 7.8 F-01
Party Reference No.: NIL
Reporting Date: 25/11/2020
Period of Analysis: 20/11/2020 to 25/11/2020
Sample Description : AMBIENT NOISE LEVEL MONITORING **Receipt Date:** 20/11/2020

General Information:-

Sample collected by : Vardan Enviro Lab 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 : 19/11/2020 to 20/11/2020
Time of Monitoring : 06:00 AM to 06:00 AM
Ambient Temperature (°C) : Min. 21°C, Max. 30°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	71.3	54.7	dB(A)
2.	L _{min}	IS- 9989	42.6	39.6	dB(A)
3.	L _{eq}	IS -9989	51.82	43.85	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.

(Tested By)

KOMAL SINGH
ANALYST

(Signed By)

DR. SHIV SINGH
DR. TECHNICAL MANAGER



NOTE: a) The results listed refer only to the tested samples & applicable parameters
b) Total liabilities of our lab will be restricted to the invoice amount only
c) The sample will be destroyed after retention time unless otherwise specified
d) This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law

www.vardan.co.in

Tel : 0124-4343750, 4343752, 4343753, 4343766 | lab@vardanenviromet.com | bd@vardanenviromet.com

Gurugram Metropolitan Development Authority

ANNEXURE 7

Plot No. 3, Sector 44, Gurugram, Haryana, Pin: 122003

Web site gmda.gov.in



To

Shishir Lal
EMAAR BUSINESS PARK, MG ROAD,
SIKANDERPUR, SECTOR-28 GURUGRAM

Subject:

Water supply connection of ----- dia for
----- Project "Capital Tower-I" an area
measuring 15511.576 sqm, License No. 19 of 2012 in
-----, Sector No. 26, Gurugram.

Date - Tue, 11 Aug 2020

Reference: Your application WC-1576144061215 dated 27-Jan-2020 for the subject as above.

In this context, as per your application for water connection to above premises to connect your intake system of boosting /water works through ----- pipe line at one point mentioned in approved plan is hereby sanctioned subject to the following conditions:-

1. The K Number allocated is '20020634' henceforth please use this number for any future correspondence.
2. The connection will be given only from GMDA existing water supply line subject to availability of water in pipe line further intake and boosting arrangement will be made by the colonizer at their own expenses.
3. The connection is hereby authorized for supply of bulk water supply in UGT only and further arrangement for water supply to individual unit will be made by the colonizer at their own cost as per approved system.
4. The water bill will be raised by Executive Engineer-I, W/S Division, GMDA, Gurugram and firm will be whole responsible for the full payment regularly within stipulated period.
5. Installation of self recording electronic water meter and its good performance will be the colonizers responsibility. Total Rs. 4,00,000/- (Rs. four lakh only) (Rs.2,00,000/- as water connection security + Rs.2,00,000/- as water connection fees) has been deposited in GMDA account on dated 18.07.2020 vide reference No. GMDA WC585761594876607074, transaction Id 20071671222115 and File Id WC-1576144061215.
6. Road cut fees will be deposited in future if required as per GMDA By laws. In case of road crossing required for connecting with GMDA line, permission for trenchless connection is to be sought from Infra-I, GMDA by applying online on GMDA portal and additional charges will be applicable as per GMDA by laws.
7. The connection will be made by the colonizer at their own expenses without disturbing Master W/S system in presence of representative of GMDA Deptt. During making connection if any damage to GMDA service is occurred, the colonizer will be the whole responsible for repair of the same in good condition. If, the colonizer is failed to repair, repair shall be carried by the Deptt. and

Abhinav Verma
Executive Engineer-I, W/S Division,
Gurugram Metropolitan Development Authority

- expenditure involved on this account shall be paid by the colonizer otherwise the connection shall be cancelled and disconnected.
8. Water connection should not be already made at site before issuing the permission failing which will have to pay the penalty imposed and previous bills. Otherwise, the connection will be disconnected without serving any Notice.
 9. The electronic water meter alongwith RTU and approve for remote connection with ICC of GMDA of reputed make shall be purchased by the colonizer at their own level and got tested from approved lab/ Institution under intimation to this Department after OK testing, the electronic water meter and its report shall have to be submitted to the Bill branch GMDA, Sec-31 GMDA, Gurugram for obtaining its clearance to install at site duly sealed by the Department in the presence of representative of GMDA Deptt.
 10. Installation of water meter should in direct approach and be liable to the official deputed for taking / recording reading shown by the water meter.
 11. Information regarding the installation of water meter shall be given to the Bill Branch Sec-31, Gurugram in writing and installation of water meter shall be considered from the date of receipt of written information by GMDA.
 12. All the amount on account of released water connection shall have to be deposited within 30 days if has not been deposited with submission of connection file failing which the sanction will be considered as cancelled.
 13. The land cost, Development charges/ Mtc. charges for such colonies shall be liable as per GMDA policy as fixed and decided by GMDA time to time shall be bound for payment of the same well in time.
 14. The Mtc. of intake pipes and special repair shall be the colonizers responsibility and his own cost.
 15. The water shall be given at the ground level and GMDA will not be responsible the low pressure.
 16. The water connection will be utilized and limited for facilities to the land/ area in possession only.
 17. For any dispute in the connection with the release of water connection, Mtc and disconnection with the said water connection, the matter shall be referred by any of the two parties to the concerned Superintending Engineer (Infra-II), GMDA of the area where the land/ colony is situated and his decision in the matter shall be final and legally binding on both the parties.
 18. Colonizer will inform about increase / decrease of discharge if any in advance.
 19. SDE will verify discharge monthly or as deemed fit for verification and water bill shall raised monthly and monthly payment shall be made by the colonizer.
 20. In absence of installation of water meter, checking of actual assessment of discharge and verification of the consumption of water shall be made jointly by the representative of Deptt and colonizer based on discharge of pipes and working hours of plants as per entries recorded in log book and water bills so prepared shall be binding upon the colonizer for payment and in case of going water meter out of order, the assessment of discharge and consumption of water shall be made on the basis of average reading of water meter given during previous two months till the replacement of water meter in good performance. If, the defective water meter is not replaced within two months, the connection shall be disconnected without serving any Notice.
 21. No Booster/ Suction will be installed directly on the line carrying from GMDA mains and no



Abhinav Verma
Executive Engineer-I, W/S Division,
Gurugram Metropolitan Development Authority

other connection will be made from the connection main to water storage tank and in case it is ever found, the water connection shall be disconnected without serving any Notice by Executive Engineer-I concerned.

22. GMDA will at the liberty to revise the rates of water charges and colonizer will be liable to pay the revised charges as and when decided by GMDA.
23. You may also ensure that follow the guide lines of N.G.T. as per Honble Supreme Court.
24. This approval is issued subject to the condition that water & adequate water and adequate pressure in line will be available after commissioning of W/S line in that area.
25. It must be ensured that connection at site be done within 90 days from the date of issuing of this letter. After expiry of the date, a fresh application/file for water connection will have to be submitted by the colonizer/licence holder and security and water connection fees will be forfeited.
26. The payment due against the monthly water and sewerage charges towards GMDA may be made within upto due date. After non-payment of dues, the water supply can be stopped and the connection though released can be disconnected without notice.

A copy of the above is forwarded to the following for information and further necessary action:-

- i) Bill Branch, GMDA, Sec-31, Gurugram



Abhinav Verma
Executive Engineer-I, W/S Division,
Gurugram Metropolitan Development Authority



HARYANA STATE POLLUTION CONTROL BOARD

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

E-mail: hspcb.pkl@sify.com



No. HSPCB/Consent/ : 329962319GUNOCTO6968892

Dated:29/10/2019

To.

M/s :Commercial Complex 3.833 Acres
Village Sikandarpur Ghosi, Sector-26, Gurgaon

Subject: Grant of consent to operate to M/s Commercial Complex 3.833 Acres.

Please refer to your application no. 6968892 received on dated 2019-10-09 in regional office Gurgaon North. With reference to your above application for consent to operate, M/s Commercial Complex 3.833 Acres is here by granted consent as per following specification/Terms and conditions.

Consent Under	BOTH
Period of consent	24/10/2019 - 30/09/2021
Industry Type	Building and construction project having waste water generation more than 100 KLD
Category	RED
Investment(In Lakh)	38021.0
Total Land Area(Sq. meter)	15511.66
Total Builtup Area(Sq. meter)	52645.75
Quantity of effluent	
1. Trade	0.0 KL/Day
2. Domestic	138.0 KL/Day
Number of outlets	1.0
Mode of discharge	
1. Domestic	On land for gardening/flushing/cooling towers etc.
2. Trade	-
Domestic Effluent Parameters	
1. BOD	30 mg/l
2. COD	250 mg/l
3. TSS	100 mg/l
4. pH	5.5.9.0 -
5. O & G	10 mg/l
Trade Effluent Parameters	
1. NA	0
Number of stacks	3
Height of stack	

1. Stack attached to DG set no. 1 (1500 KVA)	6.5 Meter
2. Stack attached to DG set no. 2 (1500 KVA)	6.5 Meter
3. Stack attached to DG set no. 3 (625 KVA)	6.5 Meter
Emission parameters	
1. NA	0
Product Details	
1. Commercial Complex	0
Capacity of boiler	
1. NA	0 Ton/hr
Type of Furnace	
1. NA	0 0
Type of Fuel	
1. Diesel	2.2 KL/day
Raw Material Details	
Commercial Complex	0 Metric Tonnes/Day

HARYANA STATE

*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. The inspection of the unit will be carried out by the authorized officer within a period of 3 months of grant of CTO for collection of samples and in case of failing of the same this CTO stands revoked automatically besides further necessary action will be applicable.
12. The unit will apply for authorization under HWM rules, 2016.

Kuldeep Singh Digitally signed by Kuldeep Singh
Date: 2019.10.29 08:53:21 +05'30'

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

