

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

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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 Complex Project "Colonnade" measuring 2.25 Acres at Village Badshahpur, Sector-66, Gurgaon, Haryana by M/s Emaar MGF Land Limited – Submission of Six-monthly Compliance Report – December 2020

Ref.: Environment Clearance Letter No. SEIAA/HR/2018/215 dated 04.04.2018

Dear Sir,

With regards to the above-mentioned subject, we are hereby submitting soft copy of six-monthly report for the month of **December 2020** for the proposed Commercial Complex Project.

We hope the above report meets your requirement.

Thanks and Regards,

For M/s EMAAR MGF Land Limited

Authorized Signatory

Encl: As stated

CC:

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

SIX MONTHLY REPORT

Status of Environmental Clearance

Project Name: Construction of proposed Commercial Complex at Village Badshahpur, Sector-66, Gurgaon, Haryana

Environmental Clearance No.: No. SEIAA/HR/2018/215 dated 04.04.2018

Part A: Specific Conditions

I. Construction Phase

S.No.	Specific Condition	Status
1	"Consent for Establish" shall be obtained from	Consent to Establish for the project has been
	Haryana State Pollution Control Board under Air	obtained and is valid till 03.04.2025. Copy of
	and Water Act and a copy shall be submitted to	the same has already been submitted.
	the SEIAA, Haryana before the start of any	
	construction work at site.	
2	A First Aid Room as proposed in project report	First Aid facility provided at Project site.
	will be provided both during construction and	Photograph already shared in previous
	operation of the project.	compliance report.
3	Adequate drinking water & sanitary facilities	Potable water and sanitary facilities are
	shall be provided for construction workers at the	maintained at project site. Drinking water
	site. Provision should be made for mobile toilets.	quality is enclosed as Annexure 1
	Open defecation by labourers is strictly	
	prohibited. The safe disposal of wastewater &	
	solid wastes generated during construction phase	
	should be ensured. Efforts shall be made to	
	provide mobile STP for treatment of waste water	
4	during construction phase. All the top soil excavated during construction	Excavated soil is being utilized within the
4	activities should be stored for use in	project site for landscape development.
	horticulture/landscape development within the	project site for landscape development.
	project site.	
5	The project proponent shall ensure that the	Building material required during
	building material required during construction	construction is being stored at designated
	phase is properly stored within the project area	place. All the necessary action will be taken
	and disposal of construction waste should not	while disposing construction waste to
	create any adverse effect on neighboring	prevent any adverse effect.
	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.	
6	Construction spoils including bituminous	Waste oil from DG sets is the only hazardous
	material & other hazardous materials must not be	waste generated during construction phase &
	allowed to contaminate watercourse & dump	is being stored in HDPE drums at earmarked
	sites for such material must be secured so that	area. Hence there is no contamination of
	they should not leach into groundwater, and any	water course and no leaching into
	hazardous waste generated during construction	groundwater. Soil analysis report is enclosed

S.No.	Specific Condition	Status
	phase should be disposed off as per applicable	as Annexure 2.
	rules & norms with necessary approval of the	
	Haryana State Pollution Control Board.	
7	The diesel generator sets to be used during	Diesel power generating set are acoustic
	construction phase shall be of ultra low Sulphur	enclosure type and conforms to rules made
	diesel type & should conform to Environment	under Environment (Protection) Act
	(Protection) Rules prescribed for air & noise	prescribed for air and noise emission
	emission standards.	standards. Latest DG stack emission and DG
		noise is enclosed as Annexure 3 &
0	The discolar and for an entire DC Cote shall	Annexure 4 respectively.
8	The diesel required for operating DG Sets shall	Adequate provision will be made for storage
	be stored in underground tanks & if required,	of diesel, if required necessary clearance will be obtained from the Chief Controller of
	clearance from Chief Controller of Explosives shall be taken.	explosive.
9	Ambient noise levels should conform to	Ambient air and noise level monitoring is
,	residential standards both during day & night.	carried out regularly at project site. Copy of
	Incremental pollution loads on ambient air and	reports is attached as Annexure 5 &
	noise quality should be closely monitored during	Annexure 6 respectively.
	construction phase. Adequate measure should be	
	taken to reduce ambient air & noise level during	
	construction phase, so as to conform to stipulated	
	residential standards of CPCB/MoEF.	
10	Fly ash should be used as building material in	Fly ash based ready mix concrete has been
	construction as per the provisions of Fly Ash	used for construction.
	Notification of September 1999 & amended as	
	on 27th August 2003.	
11	Storm water control and its reuse as per CGWB	Storm water will be channelized through
	and BIS standards for various applications should be ensured.	storm drainage system and will be reused
12	Water demand during construction shall be	and controlled as per CGWB norms. Best practices are being adopted to reduce
12	reduced by use of pre-mixed concrete, curing	water demand.
	agents & other best practices.	water demand.
13	In view of severe constrains of water supply	Will be adhered to There is no borewell
10	augmentation in the region and sustainability of	present at site.
	water resources the developer will submit the	
	NOC from CGWA specific water abstraction	
	quantities and assurance from HUDA/utility	
	provider indicating source of water supply and	
	quantity of water details of intended use of water	
	portable and non portable. Assurance is required	
	for both construction and operation stage	
	separately. It shall be submitted to the SEIAA	
	and RO MOEF Chandigarh before the start of	
1 /	construction.	Engage
14	Roof must meet prescriptive requirement as per	Energy conservation measures have been
	Energy Conservation Building Code by using	adopted using suitable
15	appropriate thermal insulation material.	Ontimum window sizes and ananings have
13	Opaque wall must meet prescriptive requirement as per Energy Conservation Building Code which	Optimum window sizes and openings have been provided on external face of the
	as per Energy Conservation building Code which	provided on external race of the

S.No.	Specific Condition	Status
	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.	building. 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.	Necessary approvals have been obtained for structural safety and adequacy of firefighting equipment as per National Building Code.
17	Overexploited ground water and impending sever 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 proposed development. Project proponent shall incorporate water efficiency/saving measures as well as water reuse/recycling within 3 months and before start of construction to the SEIAA Haryana ,MOEF,GOI,Chandigarh.	Will be adhered to.
18	The Project proponent as stated in the proposal shall construct 03 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.	NOC for 3 nos. of rain water harvesting structure have been constructed at site.
19	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.
20	The Project Proponent shall submit assurance from the DHBVN for supply of 3277.9 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 for 2.7 MW has already been submitted with previous compliance report.
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	Detailed load calculation has already been submitted to DHVBNL

S.No.	Specific Condition	Status
	be made for electrical infrastructure in the project	
	area.	
22	The Project Proponent shall not raise any	Agreed and same will be complied.
	construction in the natural land depression/	
	Nallah/water course and shall ensure that the	
	natural flow from the Nallah/water course is not	
	obstructed.	
23	The Project Proponent shall keep the plinth level	This has already been taken into account as
	of the building blocks sufficiently above the level	per the building byelaws.
	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.	
24	Construction shall be carried out so that density	Agreed and same has been complied.
	of population does not exceed norms approved	
	by Director General Town and Country	
2.5	Department Haryana.	**
25	The Project Proponent shall submit an affidavit	Has already been submitted. Treated water
	with the declaration that ground water will not be	from HUDA STP's is being used for
	used for construction and only treated water	construction.
26	should be used for construction.	A superd and some will be complied
26	The project proponent shall not cut any existing	Agreed and same will be complied.
	tree and project landscaping plan should be modified to include those trees in green area.	
27	The project proponent shall ensure that ECBC	Agreed and same will be complied.
21	norms for composite climate zone are met. In	Agreed and same will be complied.
	particular building envelope, HVAC service,	
	water heating, pumping, lighting and electrical	
	infrastructure must meet ECBC norms.	
28	The project proponent shall provide 3 meter high	Regular water sprinkling on unpaved roads,
	barricade around the project area, dust screen for	construction vehicle with top cover and
	every floor above the ground, proper sprinkling	tarpaulin over construction is being practiced
	and covering of stored material to restrict dust	1
	and air pollution during construction.	construction.
29	The project proponent shall construct a	Agreed and same will be complied.
	sedimentation basin in the lower level of the	
	project site to trap pollutant and other wastes	
	during rains.	
30	The project proponent shall provide proper rasta	Agreed and same will be complied.
	of proper width and proper strength for the	
	project before the start of construction.	
31	The project proponent shall ensure that the U-	Agreed.
	value of the glass is less than 3.177 and	
	maximum solar heat gain co-efficient is 0.25 for	
	vertical fenestration.	DDD:
32	The project proponent shall adequately control	PPE's are provided to all construction
	construction dusts like silica dust, non-silica dust,	workers. Water sprinkling at adequate
	wood dust. Such dusts shall not spread outside	interval is done to minimize the dust
	project premises. Project Proponent shall provide	generation due to construction work.

S.No.	Specific Condition	Status
	respiratory protective equipment to all construction workers.	
33	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.
34	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.
35	The project proponent shall provide one refuse area till 24 meter, one till 39 meter and one after 15 meter each, as per National Building Code. The project proponent shall not convert any refuse area in the habitable space and it should not be sold out/commercialized.	Agreed and same will be complied.
36	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.
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.	Will be adhered to.
39	The PP shall ensure that the stack height is 6 m more than the highest tower.	Will be adhered to.
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.
41	Vertical fenestration shall not exceed 60% of total wall area.	Will be adhered to.
42	The PP shall submit the copy of the fire safety plan dully approved by fire department before the start of construction.	Will be adhered to.

II. Operation Phase

S. No.	Specific Condition	Status
a	"Consent to Operate" shall be obtained from Haryana State	Agreed and same will be
	Pollution Control Board under Air and Water Act and a copy	complied during the
	shall be submitted to the SEIAA, Haryana.	operation phase of the
		project.
b	The Sewage Treatment Plant (STP) shall be installed for	The Sewage Treatment
	treatment of the sewage to the prescribed standards including	Plant of 130 KLD
	odour & treated effluent will be recycled to achieve zero exit	capacity will be installed
	discharge. The installation of STP shall be certified by an	at the site

	independent expert and a report in this regard should be submitted to the SEIAA, Haryana before the project is commissioned for operation. Tertiary treatment of wastewater is mandatory. The project proponent shall remove not only Ortho-Phosphorus but total Phosphorus to the extent of less than 2mg/liter. Similarly total Nitrogen level shall be less than 2mg/liter in tertiary treated wastewater. Discharge of treated sewage shall conform to the norms and standards of CPCB/HSPCB, whichever is environmentally better. Project Proponent shall implement such STP technology which does not require filter backwash. The project proponent shall essentially provide two number of STPs preferably equivalent to 50% of total capacity or as per initial occupancy as the case may be.	
С	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 is the integral part of the project planning and has been provided.
d	For disinfections of treated waste water ultra-violet radiation or ozonization process should be used.	Agreed and same will be complied. UV will be used for disinfection purpose.
е	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 complex.	Agreed and same will be complied.
g	The project proponent as stated in the proposal should maintain at least 25.50% as green cover area for tree plantation especially all around periphery of the project and on road sides preferably with local species which can provide protection against noise and suspended particulate matter. The open spaces inside the project shall be preferably landscaped and covered with vegetation/grass, herbs & shrubs. Only locally available plant species shall be used.	Agreed and same will be 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, scheduling irrigation only after checking evapotranspiration data.	Agreed and same will be complied.
i	Rainwater harvesting for roof run-off and surface run-off, as per plan submitted should be implemented. Before recharging surface run-off, pre-treatment through sedimentation tanks must be done to remove suspended matter, oil & grease. The bore well for rainwater recharging shall be kept at least 5 mts. above	Agreed and same will be complied. Rain water harvesting design already submitted.

	the highest ground water table. Care shall be taken that	
	contaminated water do not enter any RWH pit. The project	
	proponent shall avoid rain water harvesting of first 10 minutes	
	of rain fall. Roof top of the building shall be without any toxic	
	material or paint which can contaminate rain water. Wire mess	
	and filters should be used wherever required.	
j	The ground water level & its quality should be monitored	Agreed and same will be
	regularly in consultation with Central Ground Water Authority.	complied.
k	A report on energy conservation measures conforming to energy	Building materials R & U
	conservation norms finalized by Bureau of Energy Efficiency	factors have already been
	should be prepared incorporating details about building	submitted to SEIAA
	materials & technology, R & U Factors etc and submitted to	during project appraisal.
	SEIAA, Haryana in three months time.	
1	Energy conservation measures like installation of LED only for	Use of LED lights in open
	lighting the areas outside the building and inside the building	area is an integral part of
	should be integral part of project design & should be in place	planning and same will be
	before project commissioning. Use of solar panels must be	complied during the
	adapted to the maximum energy conservation.	operation phase.
m	The project proponent shall use zero ozone depleting potential	Agreed and same will be
""	material in insulation, refrigeration, air-conditioning and	complied.
	adhesive. Project proponent shall also provide halon free fire	complica.
	suppression system.	
	The solid waste generated should be properly collected &	Agreed and same will be
n		
	segregated as per the requirement of the MSW Rules, 2000 & as	complied. Organic Waste
	amended from time to time. The bio-degradable waste should be	Converter will be installed
	treated by appropriate technology at the site ear-marked within	at site.
	the project area and dry/inert solid waste should be disposed off	
	to the approved sites for land filling after recovering recyclable	
	material.	
O	The provision of Solar water heating system shall be as per	NA as it is a commercial
	norms specified by HAREDA & shall be made operational in	project.
	each building block.	
p	The traffic plan & parking plan proposed by the PP should be	Agreed and same will be
	adhered to meticulously with further scope of additional parking	complied.
	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.	
q	The project shall be operationalized only when HUDA/local	Agreed and same will be
•	authority will provide domestic water supply system in the area.	complied.
r	Operation and maintenance of STP, solid waste management	Agreed and same will be
_	and electrical Infrastructure, pollution control measures shall be	complied.
	ensured even after the completion of project.	-r
S	Different type of wastes should be disposed off as per	Agreed and same will be
	provisions of municipal solid waste, biomedical waste,	complied.
	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	
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 also ensure that the emission standards of noise and air are within the CPCB prescribed limits. Noise and Emission level of DG sets greater than 800 KVA shall be as per CPCB latest standards for high capacity DG sets.	Agreed and same will be complied.
W	All electric supply exceeding 100 amp, 3 phase shall maintain the power factor between 0.98 lag to 1 at the point of connection.	Agreed and same will be complied.
Х	The project proponent shall minimize heat island effect through shading and reflective or pervious surface instead of hard surface.	Noted.
У	The project proponent shall not use fresh water for HVAC and DG cooling. Air based HVAC system should be adopted and only treated water shall be used by project proponent for cooling, if it is at all needed. The Project Proponent shall also use evaporative cooling technology and double stage cooling system for HVAC in order to reduce water consumption. Further temperature, relative humidity during summer and winter seasons should be kept at optimal level. Variable speed drive, best Co-efficient of Performance (Cop), as well as optimal integrated point load value and minimum outside fresh air supply may be resorted for conservation of power and water. Coil type cooling DG Sets shall be used for saving cooling water consumption for water cooled DG Sets.	Agreed and same will be complied.
Z	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.
aa	Water supply shall be metered among different users and different utilities.	Agreed and same will be complied.
ab	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.
ac	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.
ad	The project proponent shall provide additional green area on terrace and roof top.	Noted.

ae	The project proponent shall ensure proper Air ventilation and	Agreed and same will be
	light system in the basements area, for comfortable living of	complied.
	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.	
af	The project proponent shall install solar panel for energy	Will be
	conservation.	adhered to.

S. No.	General Condition	Status
i	The Project Proponent shall ensure the commitment made in	Noted
	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.	
ii	The project proponent shall also submit Six monthly reports on	Agreed and same is being
	the status of compliance of the stipulated EC conditions	complied.
	including results of monitored data (both in hard copies as well	
	as by e-mail) to the northern Regional Office of MoEF, the	
	respective Zonal office of CPCB, HSPCB and SEIAA Haryana.	
iii	STP outlet after stabilization and stack emission shall be	Agreed and same will be
	monitored monthly. Other environmental parameters and green	complied.
	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.	27
iv	The SEIAA Haryana reserves the right to add additional	Noted
	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.	NT 4 1
V	The Project proponent shall not violate any judicial	Noted
•	orders/pronouncements issued by any Court/Tribunal.	A III NOC 4 1 DC
vi	All other statutory clearances such as approvals for storage of	Aravalli NOC through DC
	diesel from Chief Controller of Explosives, Fire Department,	has been obtained and has
	Civil Aviation Department, Forest Conservation Act, 1980 and	already been submitted
	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.	
vii	The Project proponent should inform the public that the project	Copy of public notice was
VIII	has been accorded Environment Clearance by the SEIAA and	published in Dainik
	copies of the clearance letter are available with the Haryana	Bhaskar and Tribune on
	State Pollution Control Board & SEIAA. This should be	16.04.2018 and copy was
	advertised within 7 days from the date of issue of the clearance	submitted has already been
	letter at least in two local newspapers that are widely circulated	submitted to SEIAA on
	i letter at least in two local newspapers that are widery chediated	Submitted to SEIAA OII

S. No.	General Condition	Status
	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.	19.04.2018.
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	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. Environment related work proposed to be exceuted under this reposnsibility 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.	Has already been submitted to SEAC & SEIAA during appraisal.
xi	The fund ear-marked for environment protection measures should be kept in separate account and should not be diverted for other purposes and year wise expenditure shall be reported to the SEIAA/RO MOEF GOI under rules prescribed for Environment Audit.	Noted
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.	Noted
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	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
XV	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 , NOx, Ozone, Lead, CO, Benzene, Ammonia, Benzopyrine, arsenic and Nickel.	Agreed and same will be complied.

S. No.	General Condition	Status
	(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.	
xvi	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.
xvii	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.
xviii	The project proponent shall seek fresh Environmental clearance in case any modification/revision is required at a later stage due to exchange of revenue rasta existing in the project area or change in any plan due to combined zoining plan.	Noted.
xix	The validity of this environmental clearance is for 07 years from the date of issuance of EC letter. The environmental clearance conditions applicable till life space of the project in case of residential project will continue to apply. The resident's welfare associations/Housing Cooperative societies shall responsible to comply conditions laid down in EC. In case of violations in the action would be taken as per the laid down law of land. Compliance report should be sent to this office till life of the project.	Noted
XX	If project is not completed within the validity period then the PP shall submit the application for extension of validity within one month before the lapse of validity period of Environmental Clearance i.e 7 years.	Noted



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

Sample Number:

Name & Address of Project:

M/s Colonnade,

Village - Badshahpur, Sector-66,

Gurugram, Haryana.

Drinking Water Sample

Format No.:

7.8 F-01

Party Reference No.: Reporting Date:

26/11/2020

Period of Analysis:

21/11/2020 to 26/11/20

Receipt Date:

21/11/2020 20/11/2020

Sampling Date: Type of Sampling: Sampling Quantity:

Grab 2.0 Ltr.

Sample Description: Sampling Location:

Sample Collected by Sampling & Analysis Protocol:

Vardan Enviro Lab Team

Project Site

S. No.	EmilroLab Vardan B	roLab Vardan EnviroLab Vardan EnviroLab Vardan EnviroLab		frot al	Limits of IS:10500 -2012	
	Parameter	Test-Method /ardsp En	Result (POL)	Unit	Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source
L	pH (at 25 °C)	APHA .4500-II ⁺ B Electrometric Method	7.28	rotali	6.5 to 8.5	No Relaxation
2.	Colour	APHA .2120 B. Visual Comparison Method	*BDL (**DL 5Hazen)	Hazen	ilan 65 eirm	15
3.	Turbidity	APHA, 2130 B, Nephlelometric Method	*BDL (**DL 0. 1 NTU)	NTU	endad Engli	5 344
4,	Odour	APHA. 2150 B . Threshold Test Method	Agrecable		Agreeable	Agreeable
5.	Taste	APHA, 2160 B. Threshold Test Method	Agrecable	cottar.	Agreeable	Agreeable
6.	Total Hardness as CaCO ₃	APHA . 2340 C, EDTA Titrimetric Method	63 00	mg/l	200	600
7.	Calcium as Ca	APHA, 3500 Ca B. EDTA Titrimetric Method	16.31	mg/l	75	200
8.	Alkalinity as CaCO ₃	APHA . 2320 B. Titrimetric Method	47.52	mg/l	200	600
9.	Chloride as Cl	APIIA. 4500-Cl B. Argentometric Method	17.05	mg/l	250	1000
10.	#Cyanide as CN	APHA . 4500 CN ⁻ D	*BDL(**DL 0.05 mg/l)	mg/l	0.05	No Relaxation
11.	Magnesium as Mg	APHA, 3500 Mg B. Calculation Method	5 42	mg/l	30	100
12.	Total Dissolved Solids	APHA . 2540 C. Gravimetric Method	110 00	mg/l	500	2000
13.	Sulphate as SO ₄	APHA . 4500 E. Turbidimetric Method	1 56	mg/l	200	400
14.	Fluoride as F	APHA , 4500-F D, SPADNS Method	0.21	mg/l	1.0	1.5
15.	Nitrate as NO ₃	IS 3025 (P-34) ,Chromotropic Method	0 64	mg/l	45	No Relaxatio
16.	Iron as Fe	APHA . 3500-Fe B 1.10 Phenanthroline Method	0.08	mg/l	0.3	No relaxatio
17.	Aluminium as Al	APHA . 3111 B	*BDL(**DL 0.03 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	d in Inel



Total Chromium as Cr



APHA. 3111 B. Direct Air, Acetylene Flame

Method



mg/l

0.05

*BDL(**DL 0.03 mg/l)

IOTE: a)The results listed refer only to the tested samples & applicable parameters

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No Relaxation



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

Sample No.: VEL/COL/W/01			ovingtag vargan en ev Evulvat els Westel		Report No: VEL	/W/2011/21/004	
	roLab Vardan Env	roLab Vardan EnviroLab Vardan F	nviroLab Vardan Er	vireLab V	Limits of IS:10500-2012		
S. No	Parameter Parameter	Test-Method	Result	Unit	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	Variatio Emul	
23.	Zinc as Zn	APHA . 3111 B, Direct Air, Acetylene Flame Method	in Emil*BDLh Vardi	mg/l	6 Var San En	virot 15 Vard	
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	En.O.loj.ab	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	APHA: 3114 B. Manual Hydride Generation	*BDL(**DL 0.01 mg/l)	mg/l	0.01	0.05	
30.	Mercury as Hg	APUA , 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 a		
3.2.	E. Coli	IS 15185:2002 (RA- 2016)	Absent	/100ml	Shall not be d	etectable in any I sample	

*BDL-Below Detection Limit. **DL- Detection Limit







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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

Name & Address of Party

M/s Colonnade,

Village - Badshahpur, Sector-66

Gurugram, Haryana.

Report No.: Format No.:

VEL/S/2011/21/004

7.8 F-01

Party Reference No.: Reporting Date: NIL

Reporting Date.

26/11/2020

Period of Analysis:

21/11/2020 - 26/11/2020

Sample Description:
Sampling Location:

Sampling Location: Packing Status; Sampling & Analysis Soil Sample Project Site Temp Sealed IS 2720 & USD. Receipt Date:
Sampling Date:
Type of Sampling:

Sampling Quantity:

21/11/2020 20/11/2020 Composite 2.0 Kg

Protocol:

S. No.	Parameter	Test-Method	Result	Unit	
Lib Vi	pH (at 25 °C)	IS: 2720 (P-26) by pH Meter	7.84	vicat ab Va b Vare a ri	
2.	Conductivity	IS:14767 by Conductivity meter	0.386	mS/cm	
3.	Soil Texture	IS : 2720 (P-22, RA2003)	Silty	or ab Vini	
4, Van	Color	*SOP , SP-78,Issue No01& Issue Date-14/02/2013	Yellowish Brown	Variation at	
5. N.V.	Water holding capacity	*SOP . SP-81.Issue No01& Issue Date-14/02/2013	38.58	%	
6.	Bulk density	*SOP . SP-80.Issue No01& Issue Date-14/02/2013	1.53	gm/cc	
7.	Chloride as Cl	*SOP . SP-85.Issue No01& Issue Date-14/02/2013	91.42	mg/100g	
8.	Calcium as Ca	*SOP . SP-82.Issue No01& Issue Date-14/02/2013	74.36	mg/100g	
9	Sodium as Na	*SOP . SP-84.Issue No01& Issue Date-14/02/2013	45.12	mg/kg	
10.	Potassium as K	*SOP . SP-84.Issue No01& Issue Date-14/02/2013	65.71	kg/hec.	
H.	Organic Matter	1S:2720 (P-22) Titrimetric Method	0.65	%	
12	Magnesium as Mg	*SOP . SP-83.Issue No01& Issue Date-14/02/2013	35.79	mg/100	
13.	Available Nitrogen as N	IS:14684 Distillation Method	257.00	kg./hec	
14.	Available Phosphorus	*SOP . SP-86.Issue No01& Issue Date-14/02/2013	25.31	kg./hec	
15.	Zinc (as Zn)	USEPA 3050B	9.88	mg/kg	
16.	Manganese (as Mn)	USEPA 3050B	1.20	mg/kg	
17.	Lead (as Pb)	USEPA 3050B	Lab Vard1.14EmviroLa	mg/kg	
18.	Cadmium (as Cd)	USEPA 3050B	2.16	mg/kg	
19.	Chromium (as Cr)	USEPA 3050B	2.74	mg/kg	
20.	Copper (as Cu)	USEPA 3050B	3.51	mg/kg	

^{*} SOP-Laboratory standard oprating procedure







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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/COL/ST/01

Name & address of the Project: M/s Colonnade,

Village - Badshahpur, Sector-66,

Gurugram, Haryana.

Report No.:

Format No.:

7.8 F-01

Party Reference No.:

NIL

Reporting Date: Period of Analysis: 22/09/2020 17/09/2020 - 22/09/202

Receipt Date:

General Information

Sampling Location

Sample Collected by

Date of Sampling Sampling Duration (Minutes)

Stack attached to

Make of stack

Diameter of stack (m) Height of stack (m)

Instruments calibration status

Meteorological Condition

Ambient Temperature - Ta (°C)

Temperature of stack Gases - Ts (°C)

Velocity of stack Gases (m/sec.) Flow rate of PM (LPM)

Flow rate of Gas (LPM)

Sampling condition

Protocol used

DG Set Area

Vardan EnviroLab Representativ

17/09/2020

30.0

DG Set (50 KVA)

Metal

0.08 Mtr.

3.7 Mtr.

Calibrated

Clear Sky

31.0

210.0

9.12 25.0

2.0

Isokinetic

IS:11255 & EPA

RESULTS

S. No.	Parameters	Test Method	Results	Units	Limits as per CPCB
m Enteli	Particulate Matter (PM)	IS 11255 (P-1) Gravimetric Method	0.14	gm/Kw-hr	<0.3
2.	Nitrogen Dioxide (as NO ₂)	IS 11255 (P-7) Colorimetric Method	0.52	gm/Kw-hr	<4.7
3.	Total Hydrocarbon as Methane	"SOP No. VEL/SOP/01, Section No. SP 74	0.10	gm/Kw-hr	ProLab Vandao En
Env 4.0	Carbon Monoxide (as CO)	"SOP No. VEL/SOP/01. Section No. SP 74	0.26	gm/Kw-hr	<3.5
5.	Sulphur Dioxide (as SO ₂)	IS:11255 (P-2), Titrimetric Method	0.17	gm/Kw-hr	Not Specified





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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:

Name & Address of Party:

VEL/COL/PN/01

M/s Colonnade,

Village - Badshahpur, Sector-66

Gurugram, Haryana.

Report No.:

VEL/PN/2009/17/003

Format No.: 7.8 F-01

Party Reference No.: NIL

Reporting Date:

22/09/2020

Period of Analysis:

17/09/2020 to 22/09/2020

Receipt Date:

17/09/2020

Sample Description:

DG SET NOISE MONITORING

General Information:-

Sample Collected by

Sampling Location

Instrument Used

Instrument Code

Instrument Calibration Status

Meteorological condition during monitoring

Date of Monitoring

Sampling Duration

Scope of Monitoring

Control measure if Any

Sampling & Analysis Protocol

Parameter Required

: Vardan Enviro Lab Representative

: D.G. Set Area D.G. Set (50 KVA)

: Sound Level Meter

: VEL/SLM/02

: Calibrated

: Clear Sky

: 17/09/2020

: 30 Minutes

: Regulatory Requirement

: No any

: CPCB Guidelines & IS-9989

: As per Client Requirement

TEST RESULT

S. No.	Parameters	Protocol	Open the Canopy of D.G Set Result dB(A)	Close the Canopy of D.G Set (1.0 mtr Distance) Result dB(A)	Insertion Loss
	L_{eq}	CPCB Guidelines & Indian Standard:9989	89.71	64.14	25.57
2.	CPCB Limit in Leq dB(A)	milm kredrokalist arilm kredrokalist	ordin Envirolati Vardan Envirolati Vardan	75.00	25.00



(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

b) Total liabilities of our lab will be restricted to the invoice amount only
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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Harvana) Branch Off: Plot No. 24 & 25, Narayan Vihar, Block-B, Jaipur - 302035 (Rajasthan) ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:

Name & Address of the Project:

VEL/COL/A/01 M/s Colonnade.

Village - Badshahpur, Sector-66,

Gurugram, Haryana.

Format No.:

NIL

Party Reference No.: Reporting Date:

26/11/2020

Period of Analysis:

21/11/2020 to 26/11/2

Receipt Date:

Sample Description:

AMBIENT AIR QUALITY MONITORING

General Information:-

Sample collected by

Sampling Location

Sampling Equipment used

Instrument Code

Instrument Calibration Status

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Ambient Temperature (°C

Surrounding Activity

Scope of Monitoring

Sampling & Analysis Protocol

Sampling Duration

Parameter Required

Vardan Enviro Lab Representa

Near Main Gate

RDS & FPS

VEL/RDS/01 FPS/01

Calibrated

Clear Sky

20/11/2020 to 21/11/2020

09:10 AM to 09:10 AM

Min. 16.0 °C , Max. 26.0 °C

Human & Vehicular Activities

Regulatory Requirement

IS: 5182

24 Hrs.

As per work order

S. No Parameters		Test Method	Results	Units	Limit as per CPCB
	Particulate Matter (as PM – 10)	IS:5182 (P-23). Gravimetric Method, RA:2006	176.42	μg/m³	100
2	Particulate Matter (as PM – 2.5)	SOP No. VEL/SOP/01, Section No. SP 63:2013	112.53	μg/m³	60
3.	Nitrogen Dioxide (as NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser, RA:2006	32.61	μg/m³	80
I-4:	Sulphur Dioxide (as SO ₂)	IS: 5182 (P-2). Modified West and Gaeke. RA:2012	16.74	μg/m³	80
5.	Carbon Monoxide (as CO)	IS: 5182 (P-10), Gas Chromatography, RA:2003	0.95	μg/m³	4.0
6.	Lead (as Pb)	IS:5182 (P-22), Air Acetylene Method. RA:2009	*BDL(**DL0.05 μg/m³)	μg/m³	1.0







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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:

Name & Address of Party

M/s Colonnade,

Village - Badshahpur, Sector

Gurugram, Haryana.

Party Reference No.:

NIL

7.8 F-01

Reporting Date: 26/11/2020

Period of Analysis:

21/11/2020 - 26/11/202

VEL/AN/2011/21/004

Sample Description

Receipt Date:

Report No.:

Format No.:

Sample collected by

Sampling Location

Instrument Used

Instrument Code

Instrument Calibration Status

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

Control measure if Any

Sampling & Analysis Protocol

Sampling Duration

Parameter Required

Vardan Enviro Lab Represen

Near Main Gate

Sound Level Meter

VEL/SLM/01

Calibrated

Clear Sky

20/11/2020 to 21/11/2020

06:00 AM to 06:00 AM

Min. 16°C, Max. 26°C

Human & Vehicular Activit.

Regulatory Requirement

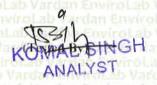
No any

CPCB Guidelines & IS-998

24 Hours

As per Client Requirement

S. No.	o Latr Vamion Envirol at A		Test Result dB (A)		
	Parameters	Test Method	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
1.	Lmax G. Environment	IS -9989	62.9		dB(A)
2.	Lmin	IS- 9989	39.6	32.6	dB(A)
3.	Leq	IS -9989	ot ab Varia 51.40	38.10	dB(A)
4.	CPCB Limits in dB(*A) Leq (Residential Area)	rdim EnviroLab Vord nviroLab Vardan En	55.00	45.00	dB(A)







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