

EMAAR

INDIA

To,
The Director (S)
Ministry of Environment, Forest & Climate Change
Regional Office (Central Region)
Kendriya Bhawan, 5th Floor
Sector 'H', Aliganj, Lucknow, UP – 226 024

Date: 15.05.2021

Subject : Construction of proposed Integrated Township 'Gomti Greens' at Village – Sarsawan, Ahmamau & Ardonamau, Lucknow by M/s Emaar MGF Land Limited – Submission of Six-monthly Compliance Report – June 2021.

Ref.: Environmental Clearance No.: 114/Parya/SEAC/4121/2019, dated 13th June 2019.

Dear Sir,

With reference to the above-mentioned subject, we are hereby submitting soft copy of six-monthly Compliance Report for our project "Gomti Greens" for **June 2021**.

We hope the above meets your requirement.

Thanks and Regards,

For M/S EMAAR INDIA LIMITED



(Authorized Signatory)

Encl: As stated

- CC:**
1. Member Secretary, Uttar Pradesh Pollution Control Board, Building. No. TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow, Uttar Pradesh 226 010.
 2. State Environment Impact Assessment Authority. Bhim Rao Ambedkar Paryavaran Parisar Vineet Khand-I Gomti Nagar Lucknow Uttar Pradesh

SIX MONTHLY REPORT

Status of Environmental Clearance

Project Name: Construction of Proposed Integrated Township Project “Gomti Greens” at Village Sarsawan, Ahmamau & Ardonamau, Lucknow

Environmental Clearance No.: 114/Parya/SEAC/4121/2019, dated 13th June 2019.

Period of Compliance Report: June 2021

A: General Conditions

S.No.	General Conditions	Status
1	It shall be ensured that all standards related to ambient environmental quality and the emission/effluent standards as prescribed by the MoEF are strictly complied with.	The same is being adhered.
2	It shall be ensured that obtain the no objection certificate from the U.P pollution control board before start of construction.	NOC has been obtained from U.P Pollution Control Board and the same is enclosed as Annexure I
3	It shall be ensured that no construction work or preparation of land by the project management except for securing the land is started on the project or the activity without the prior environmental clearance.	The same is being adhered.
4	The proposed land use shall be in accordance with the prescribed land use. A land use certificate issued by the competent Authority shall be obtained in this regard.	The same is being adhered. CLU has been obtained for the proposed project.
5	All trees felling in the project area shall be as permitted by the forest department under the prescribed rules. Suitable clearance in this regard shall be obtained from the competent Authority.	The same is being adhered.
6	Impact of drainage pattern on environment should be provided.	Noted
7	Surface hydrology and water regime of the project area within 10 km should be provided.	The same has already been provided.
8	A suitable plan for providing shelter, light and fuel, water, and waste disposal for construction labour during the construction phase shall be provided along with the	The same is being adhered.

S.No.	General Conditions	Status
	number of proposed workers.	
9	Measures shall be undertaken to recycle, and reuse treated effluents for horticulture and plantation. A suitable plan for wastewater recycling shall be submitted.	The same will be adhered in operational phase.
10	Obtain proper permission from competent authorities regarding enhanced traffic during and due to construction and operation of project.	The same is being adhered.
11	Obtain necessary clearances from the competent Authority on the abstraction and use of ground water during the construction and operation phases.	The same has been obtained and enclosed as Annexure II . Renewal of same is under process.
12	Hazardous/inflammable/Explosive materials likely to be stored during the construction and operation phases shall be as per standard procedure as prescribed under law, Necessary clearances in this regard shall be obtained.	The same is being adhered.
13	Solid wastes shall be suitably segregated and disposed. A separate and isolated municipal waste collection center should be provided. Necessary plans should be submitted in this regard.	The same has already been submitted
14	Suitable rainwater harvesting systems as per designs of groundwater department shall be installed. Complete proposals in this regard should be submitted.	The same is being adhered.
15	The emissions and effluents etc. from machines, Instruments and transport during construction and operation phases should be according to the prescribed standards. Necessary plans in this regard shall be submitted.	The same is being adhered.
16	Water sprinklers and other dust control measures should be undertaken to take care of dust generated during the construction and operation phases. Necessary plans in this regard shall be submitted.	The same is being adhered.
17	Suitable noise abatement measures shall be adopted during the construction and operation phases to ensure that the noise emissions do not violate the prescribed ambient noise standards. Necessary plans in this regard shall be	The same is being adhered and will be followed in operational phase also.

S.No.	General Conditions	Status
	submitted.	
18	Separate stockpiles shall be maintained for excavated topsoil and the top soil should be utilized for preparation of green belt.	The same is being adhered.
19	Sewage effluents shall be kept separate from rainwater collection and storage system and separately disposed. Other effluents should not be allowed to mix with domestic effluents.	The same will be adhered.
20	Hazardous/Solid wastes generated during construction and operation phases should be disposed off as prescribed under law. Necessary clearances in this regard shall be obtained.	The same is being adhered and will be followed in operational phase also.
21	Alternate technologies for solid waste disposals (like vermin-culture etc.) should be used in consultation with expert organizations.	Noted
22	No wetland should be infringed during construction and operation phases. Any wetland coming in the project area should be suitably rejuvenated and conserved.	Noted
23	Pavements shall be so constructed as to allow infiltration of surface run-off of rainwater. Fully impermeable pavements shall not be constructed. Construction of pavements around trees shall be as per scientifically accepted principles to provide suitable watering, aeration and nutrition to the tree.	The same will be adhered.
24	The Green building Concept suggested by Indian Green Building Council, which is a part of CII-Godrej GBC, shall be studied and followed as far as possible.	Noted
25	Compliance with the safety procedures, norms and guidelines as outlined in National Building Code 2005 shall be compulsorily ensured.	The same is being ensured
26	Ensure usage of dual flush systems for flush cisterns and explore options to use sensor-based fixtures, waterless urinals and other water saving techniques	The same will be adhered.
27	Explore options for use of dual pipe plumbing for use of	The same will be adhered.

S.No.	General Conditions	Status
	water with different qualities such as municipal supply, recycled water, ground water etc.	
28	Ensure use of measures for reducing water demand for landscaping and using xeriscaping, efficient irrigation equipments & controlled watering systems.	The same will be adhered.
29	Make suitable provisions for using solar energy as alternative source of energy. Solar energy application should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating. Present a detailed report showing how much percentage of backup power for institution can be provided through solar energy so that use and polluting effects of DG sets can be minimized.	The same will be adhered.
30	Make separate provision for segregation, collection, transport, and disposal of e-waste.	The same will be adhered.
31	Educate citizens and other stakeholders by putting up hoardings at different places to create environmental awareness.	The same will be adhered.
32	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized, and no public space should be utilized.	The same will be adhered.
33	Prepare and present disaster management plan.	The same has been submitted with EIA Report.
34	The project proponents shall ensure that no construction activity is undertaken without obtaining pre-environmental clearance.	The same will be adhered.
35	A report on the energy conservation measures confirming to energy conservation norms finalize by Bureau of Energy efficiency should be prepared incorporating details about building materials and technology, R & U Factors etc.	The same will be adhered.
36	Fly ash should be used as building material in the construction as per the provision of fly ash notification of September 1999 and amended as of August 2003 (The	The same is being adhered.

S.No.	General Conditions	Status
	above condition is applicable only if the project lies within 100 km of Thermal Power Station).	
37	The DG sets to be used during construction phase should use low Sulphur diesel type and should conform to E.P. rules prescribed for air and noise emission standards.	The same is being adhered.
38	Alternate technologies to Chlorination (for disinfection of wastewater) including methods like Ultraviolet radiation, Ozonation etc. shall be examined and a report submitted with justification for selected technology.	The same will be adhered.
39	The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous variety.	The same will be adhered.
40	The construction of the building and the consequent increased traffic load should be such that the microclimate of the area is not adversely affected.	The same will be adhered.
41	The building should be designed to take sufficient safeguards regarding seismic zone sensitivity.	The same will be adhered.
42	High rise buildings should obtain clearance from aviation department or concerned authority.	The same will be adhered.
43	Suitable measures shall be taken to restrain the development of small commercial activities or slums in the vicinity of the complex. All commercial activities should be restricted to special areas earmarked for the purpose.	The same will be adhered.
44	It is suggested that literacy program for the weaker sections of society/women/adults (including domestic help) and under privileged children could be provided in a formal way.	The same will be adhered.
45	The use of compact fluorescent lamps should be encouraged. A management plan for the safe disposal of used/damaged CFL's should be submitted.	The same will be adhered.
46	It shall be ensured that all Street and park lighting is solar	The same will be adhered.

S.No.	General Conditions	Status
	powered. 50% of the same may be provided with dual (solar/electrical) alternatives.	
47	Solar water heater shall be installed to the maximum possible capacity. Plans may be drawn up accordingly and submitted with justification.	The same will be adhered.
48	Treated effluents shall be maximally reused to aim for zero discharge. Wherever not possible, a detailed management plan for disposal should be provided with quantities and quality of wastewater.	The same will be adhered.
49	The treated effluents should normally not be discharged into public sewers with terminal treatment facilities as they adversely affect the hydraulic capacity of STP. If unable, necessary permission from authorities should be taken.	The same will be adhered.
50	Construction activities including movements of vehicles should be so managed so that no disturbance is caused to nearby residents.	The same will be adhered.
51	All necessary statutory clearances should be obtained and submitted before start of any construction activity and if this condition is violated the clearance, if and when given, shall be automatically deemed to have been cancelled.	The same has been adhered.
52	Parking areas should be in accordance with the norms of MoEF, Government of India. Plans may be drawn up accordingly and submitted.	The same will be adhered.
53	The location of the STP should be such that it is away from human habitation and does not cause problem of odor. Odorless technology options should be examined, and a report submitted.	The same will be adhered.
54	The Environment Management plan should also include the breakup costs on various activities and the management issues also so that the residents also participate in the implementation of the environment management plan.	The same will be adhered.
55	Detailed plans for safe disposal of STP sludge shall be provided along with ultimate disposal location, quantitative estimates and measures proposed.	The same will be adhered.
56	Status of the project as on date shall be submitted along	The photograph is enclosed as

S.No.	General Conditions	Status
	with photographs from North, South, West and East side facing camera and adjoining areas should be provided.	Annexure III
57	Specific location along with dimensions with reference to STP, Parking, Open areas and Green belt etc. should be provided on the layout plan.	The same has been provided
58	The DG sets shall be so installed to conform to prescribed stack heights and regulations and also to the noise standards as prescribed. Details should be submitted.	The same has been adhered. DG Stack and Noise monitoring reports are enclosed as Annexure IV and Annexure V respectively.
59	E-Waste Management should be done as per MoEF guidelines.	The same will be adhered
60	Electrical waste should be segregated and disposed suitably as not to impose Environmental Risk.	The same will be adhered
61	The use of suitably processed plastic waste in the construction of roads should be considered.	Noted
62	Displaced persons shall be suitably rehabilitated as per prescribed norms.	The same will be adhered
63	Dispensary for first aid shall be provided.	The same has been provided
64	Safe disposal arrangement of used toiletries items in Hotels should be ensured. Toiletries items could be given complementary to guests, adopting suitable measures.	The same is not applicable
65	Diesel generating set stacks should be monitored for CO and HC.	DG Stack monitoring report is enclosed as Annexure IV
66	Ground Water downstream of Rainwater Harvesting pit nearest to STP should be monitored for bacterial contamination. Necessary Hand Pumps should be provided for sampling. The monitoring is to be done both in pre- and post-monsoon, seasons.	The same will be adhered
67	The green belt shall consist of 50% trees, 25% shrubs and 25% grass as per MoEF norms.	The same will be adhered
68	A Separate electric meter shall be provided to monitor consumption of energy for the operation of sewage/effluent treatment in tanks.	The same will be adhered

S.No.	General Conditions	Status
69	An energy audit should be annually carried out during the operational phase and submitted to the authority.	The same will be adhered
70	Project proponents shall endeavor to obtain ISO: 14001 certifications. All general and specific conditions mentioned under this environmental clearance should be included in the environmental manual to be prepared for the certification purposes and compliance.	The same will be adhered
71	Environmental Corporate Responsibility (ECR) plan along with budgetary provision amounting to 2% of total project cost shall be submitted (within the month) on need base assessment study in the study area. Income generating measures which can help in upliftment of weaker section of society consistent with the traditional skills of the people identified. The program can include activities such as old age homes, rainwater harvesting provisions in nearby areas, development of fodder farm, fruit bearing orchards, vocational training etc. In addition, vocational training for individuals shall be imparted so that poor section of society can take up self-employment and jobs. Separate budget for community development activities and income generating programmers shall be specified. Revised ECR plan is to be submitted within 3 months. Failing which, the environmental Clearance shall be deemed to be cancelled.	The same will be adhered
72	Appropriate safety measures should be made for accidental fire.	The same is being adhered.
73	Smoke meters should be installed as warning measures for accidental fires.	The same is being adhered.
74	Plan for safe disposal of R.O reject is to be submitted.	The same will be adhered
<u>B. Specific Conditions</u>		
S.No.	Specific Conditions	Status
1	The project proponent shall submit within next 3 months	The same will be adhered.

S.No.	General Conditions	Status
	the details of solar power plant and solar electrification details within the project.	
2	The project proponent shall ensure to plant broad leaves trees and their maintenance. The CPCB guidelines in this regard shall be followed.	The same will be adhered.
3	The project proponent shall submit within next 3 months the details on quantification of year wise CER activities along with cost and other details. CER activities must not be less 2% of the project cost. The CER activities should be related to mitigation of Environmental Pollution and Awareness for the same.	The same will be adhered.
4	The project proponent shall submit within next 3 months the details of estimated construction waste generated during the construction period and its management plan.	The same will be adhered.
5	The project proponent shall submit within next 3 months the details of segregation plan of MSW.	The same will be adhered.
6	The project proponent shall ensure that wastewater is properly treated in STP and maximum reused for gardening, flushing system etc. for reuse of water for irrigation sprinkler and drip irrigation system shall be installed and maintained for proper function. Part of the unused/unrecycled treated sewage discharged to municipal sewer line, shall meet the prescribed standards for the discharge of effluent, as per the agreement made between M/s Emaar MGF land Ltd and LDA.	The same will be adhered.
7	The project proponent will ensure that proper dust control arrangements are made during construction and proper display board is installed at the site to inform the public steps taken to control air pollution as per the Construction and Demolition Waste Management Rules.	The same is being adhered. Ambient Air Quality monitoring report is enclosed as Annexure VI
8	The project proponent shall install micro solar power plants, toilets in nearby villages, public places, or school from CER fund of the project for which E.C is granted in addition to and water harvesting pits and carbon sequestration parks/ designed ecosystems.	The same will be adhered.
9	No. of ECS to be restricted to 2200 ECS only.	The same will be adhered.

S.No.	General Conditions	Status
10	Solar energy to be used alternatives on the road and common places for illumination to save conventional energy as per ECBC Code.	The same will be adhered.
11	The project proponent shall submit within the next 3 month the data of ground water quality including fluoride parameter to the limit of minimum deduction level for all six monitoring stations.	The same is being adhered. Ground water quality report is enclosed as Annexure VII
12	15% area of the total plot area shall be compulsorily made available for the green area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of the local district Forest officer.	The same will be adhered.
13	The wastewater generated should be treated properly in a scientific manner i.e., domestic wastewater to be treated in STP and effluent such as RO rejects with high TDS and other chemical bearing effluents shall be treated properly.	The same will be adhered.
14	Permission from local authority should be taken regarding discharge of excess water into the sewer line.	The same will be adhered.
15	The height, construction built up area of proposed construction shall be in accordance with the existing FAR norms of the competent authority and it should ensure the same along with survey number before approving layout plan and before according to commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.	The same will be adhered.
16	“Consent for Establishment” shall be obtained from U.P Pollution Control Board.	The same is enclosed as Annexure I
17	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	The same is being adhered.
18	Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.	The same will be adhered.

S.No.	General Conditions	Status
19	Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.	The same will be adhered.
20	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche, and First Aid room etc.	The same will be adhered.
21	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.	The same is being adhered.
22	The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved site for land filling after recovering recyclable material.	The same will be adhered.
23	Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution of board of directors shall be submitted to the authority. A list of beneficiaries with their mobile nos./addresses should be submitted along with six monthly compliance reports.	The same will be adhered.
24	No parking shall be allowed outside the project boundary.	The same will be adhered.
25	Digging of basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with District Administration/Mining Department. All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site. Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is	The same has been adhered.

S.No.	General Conditions	Status
	protected and improved.	
26	Surface rainwater must be collected in kaccha pond for ground water recharging and irrigation of horticulture and peripheral plantation.	The same is being adhered.
27	The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of the firefighting equipment's etc. As per National Building Code including measures from lighting.	The same is being adhered.
28	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of the competent authority.	The same is being adhered.
29	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the U.P Pollution Control Board.	The same is being adhered.
30	The diesel generator sets to be used during construction phase should be low Sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.	The same is being adhered.
31	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, to conform to the stipulated standards by CPCB/UPPCB.	The same is being adhered. Noise monitoring report is enclosed as Annexure VIII
32	The green area design along the periphery of the plot shall achieve attenuation factor conforming to day and night noise standards prescribed for residential area. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green area development shall be	The same will be adhered.

S.No.	General Conditions	Status
	carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	
33	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air, and ventilation.	The same is being adhered.
34	Pavements shall be so constructed as to allow infiltration of surface run-off of rainwater. Construction of pavements around trees should be able to facilitate suitable watering, aeration, and nutrition of the tree.	The same is being adhered.
35	Ready Mix Concrete and Sprinkler to be used for curing and quenching during construction phase.	The same is being adhered.
36	Roof top water in rainy season is to be discharged into RWH pits for ground water recharging. Arrangements shall be made that wastewater and storm water do not get mixed.	The same is being adhered.
37	NOC from Ground Water Board is to be submitted for drilling of tube well for use of water supply.	The same will be adhered
38	All the internal drains are to be covered till the disposal point.	The same will be adhered
39	This Environmental Clearance is issued subject to land use verification. Local authority/planning authority should ensure this with respect to Rules, Regulation, Notifications, Government Resolutions, Circulars, etc. issued if any.	Noted
40	Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.	The same will be adhered



UTTAR PRADESH POLLUTION CONTROL BOARD

Validity Period :28/05/2020 To 27/05/2024

Ref No. - 60633/UPPCB/Lucknow(UPPCBRO)/CTE/LUCKNOW/2019

Dated:- 22/05/2020

To ,

Shri SHISHIR LAL
M/s EMAAR MGF LAND LIMITED
Village - Sarsawan, Ahmanmau, Ahdonamau, Lucknow,LUCKNOW,226002
LUCKNOW

Sub : Consent to Establish for New Unit/Expansion/Diversification under the provisions of Water (Prevention and control of pollution) Act, 1974 as amended and Air (Prevention and control of Pollution) Act, 1981 as amended.

Please refer to your Application Form No.- 5494465 dated - 25/07/2019. After examining the application with respect to pollution angle, Consent to Establish (CTE) is granted subject to the compliance of following conditions :

1. Consent to Establish is being issued for following specific details :

A- Site along with geo-coordinates :

B- Main Raw Material :

Main Raw Material Details		
Name of Raw Material	Raw Material Unit Name	Raw Material Quantity
Cement Brick	Metric Tonnes/Day	5000.0

C- Product with capacity :

Product Detail	
Name of Product	Product Quantity
building	0

D- By-Product if any with capacity :

By Product Detail			
Name of By Product	Unit Name	Licence Product Capacity	Install Product Capacity
Cement Concrete	Metric Tonnes/Day	0	0

2. Water Requirement (in KLD) and its Source :

Source of Water Details		
Source Type	Name of Source	Quantity (KL/D)
Ground Water (within premises)	Borewell	3178.0

3. Quantity of effluent (In KLD) :

Effluent Details	
Source Consumption	Quantity (KL/D)
Domestic	3178.0
Others(Plantation)	645.0
Others(Washing)	40.0
Cooling	375.0

4. Fuel used in the equipment/machinery Name and Quantity (per day) :

Fuel Consumption Details		
Fuel	Consumption(tpd/kld)	Use
Diesel	0.50	Power Back up

5. For any change in above mentioned parameters, it will be mandatory to obtain Consent to Establish again. No further expansion or modification in the plant shall be carried out without prior approval of U.P. Pollution Control Board.
- For any change in above mentioned parameters, it will be mandatory to obtain Consent to Establish again. No further expansion or modification in the plant shall be carried out without prior approval of U.P. Pollution Control Board.
2. You are directed to furnish the progress of Establishment of plant and machinery, green belt, Effluent Treatment Plant and Air pollution control devices, by 10th day of completion of subsequent quarter in the Board.
3. Copy of the work order/purchase order, regarding instruction and supply of proposed Effluent Treatment Plant/Sewerage Treatment Plant /Air Pollution control System shall be submitted by the industry till 27/05/2024 to the Board.
4. Industry will not start its operation, unless CTO is obtained under water (Prevention and control of Pollution) Act, 1974 and Air (Prevention and control of Pollution)Act, 1981 from the Board.
5. It is mandatory to submit Air and Water consent Application,complete in all respect, four months before start of operation, to the U.P. Pollution Control Board.
6. Legal action under water (Prevention and control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act,1981 may be initiated against the industry With out any prior information,in case of non compliance of above conditions.

Specific Conditions:

1. This CTE is being granted for the development of Group Housing project of integrated township of M/s Emaar Mgf Land limited, Gomti Green, Village - Sarsawan, Ahmanmau, Ahdonamau, Lucknow-226002 for Total Plot Area 9,16,400.00 square meter and Total Built up Area 10,84,445 square meter. This land for development of integrated township will remain the same as it was mentioned in the EC earlier issued SEIAA vide letter no. 114/Parya/SEAC/4121/2019 dated on 13-06-2019.
2. The project shall provide the NOC of CGWA for extracting ground water within 03 months of issuance of this certificate.
3. The project shall comply with the provisions of Environment (Protection) Amendment, Rules 2018 notified by MoEF&CC by Notification no 49 Dt. 25-01-2018, Environment (Protection) Act 1986, Water (Prevention and Control of Pollution) Act, 1974 as amended, Air (Prevention and Control of Pollution) Act, 1981 as amended, Plastic Waste Management Rules 2016, E- Waste (Management) Rules 2016, Solid Waste Management Rules 2016, Hazardous and other Waste (Management and Transboundary Movement) Rules 2016 & Construction and Demolition Rules 2016. (Whichever is applicable)
4. Project shall dispose the hazardous waste through authorized recyclers/TSDf and ensure to obtain the Authorization from The Board.
5. Project shall install Sewage Treatment Plant of capacity 3800 KLD (MBBR technology) in such a manner so that it can achieve the standards specified in the notification issued by Ministry of Environment, Forest & Climate Change vide GSR 1265 (E) dated 13-10-2017 in the time period as specified in the notification & the treated water shall be used in gardening/flushing/horticulture/cooling etc.
6. The Project Proponent shall installed energy meter on STP (capacity of 3800 KLD).
7. At the project site a display board of size 4x6 feet shall be installed to display the provisions of Construction and Demolition Rules 2016.
8. Unit shall develop green belt as per the protocol of Board's office order H16405/220/2018/02 dated 16-02-2018, which is available on Board's Website www.uppcb.com.
9. The project shall comply with the orders/directions issued by Hon'ble NGT /Hon'ble Supreme Court/hon'ble High court & Board time to time.
10. The project shall install the stack as per norms from nearest roof top along with acoustic enclosures on 6 nos X 600 KVA capacity of DG sets.
11. The height of stacks attached to DG sets shall remain as per the standards prescribed in Environment (Protection) Act, 1986 and the DG sets shall be equipped with suitable acoustic enclosures as to minimise the noise level as prescribed in Environment (Protection) Act, 1986.
12. Project shall not start gaseous emission & sewage generation without obtaining CTO (Air and Water) from the Board.
13. The dust emission from the construction sites will be completely controlled and all precautions will be taken in that behalf.
14. The Project Proponent shall comply the conditions imposed in the Environmental Clearance issued by SEIAA, UP vide letter no. 114/Parya/SEAC/4121/2019 dated on 13-06-2019.
15. Construction activity at the site shall be commenced only after obtaining due approval from Lucknow Development Authority and shall be carried out as per the approved map.
16. Unit will put tarpaulin scaffolding around the area of construction and the building for effective and efficient control of dust emission generated during construction of the project.
17. The construction material of any kind stored on site will be fully covered in all respect so that it does not disperse in the air in any form.

18. All the construction material & debris will be carried in trucks or vehicles which are fully covered and protected so as to ensure that the construction debris or construction material does not get dispersed into the air or atmosphere in any form whatsoever.
19. Every worker working on the construction site and involved in loading, unloading and carriage of construction debris or construction material shall be provided with mask to prevent inhalation of dust particle.
20. Fixing of sprinklers and creation of green air barriers will be done to control fugitive dust emission and improve environment.
21. Wind breaking wall will be constructed around the construction site and green belt will be developed around the buildings as per rules.
22. The project proponent shall ensure to disposal of solid waste facility in his premises and also ensure that in house composting of bio-degradable waste.
23. The construction activity shall be carried out in such a manner so that there will no adverse effect on the environment of surroundings and neighborhood.
24. The project shall ensure to install the Solar Power System for electric supply.
25. The project shall take prior permission from the Board in case installation of readymix/hotmix/wetmix plant is required.
26. The Project Proponent shall install Rain Water Harvesting facility, as proposed for recharging of ground water strata.
27. The Project Proponent shall submit the RERA registration certificate within 03 months.
28. Project shall submit a bank guarantee of Rs. 10.0 lacs within 15 days for ensuring compliance of above mentioned conditions from SI no. 1 to 27.

Please note that consent to Establish will be revoked, in case of, non compliance of any of the above mentioned conditions. Board reserves its right for amendment or cancellation of any of the conditions specified above. Industry is directed to submit its first compliance report regarding above mentioned specific and general conditions till 22/06/2020 in this office. Ensure to submit the regular compliance report otherwise this Consent to Establish will be revoked.

Digitally signed by Pramod Kumar
Pramod Kumar Agarwal
Agarwal
Date: 2020.05.22 10:33:40 +05'30'

Chief Environmental Officer (CEO-5), UPPCB, Lucknow.

Dated:- 22/05/2020

Copy To -

Regional Officer, ROUPPCB, Lucknow.

Digitally signed by Pramod Kumar Agarwal
Pramod Kumar Agarwal
Agarwal
Date: 2020.05.22 10:34:05 +05'30'

Chief Environmental Officer (CEO-5), UPPCB, Lucknow.

प्रेषक,
सहायक अभियन्ता
भूगर्भ जल विभाग खण्ड-लखनऊ
विकास भवन, लखनऊ।

सेवा में,

में0ईमार एम0जी0एफ0 लैण्ड लि0
ई0सी0ई0 हाउस 28 कस्तुबा गौधी मार्ग, नई दिल्ली
110001

संख्या 194 / भू0जल0वि0खण्ड0ल0/टो-9(विपरण) लखनऊ/दिनांक 19 जनवरी 2012

विषय:- भूजल उपयोग किये जाने के संबंध में।

महोदय,

उपरोक्त विषयक कृपया अपने पत्र दिनांक 20-12-2011 का सन्दर्भ ग्रहण करने का कष्ट करें। उक्त के संबंध में अवगत कराना है कि निम्न शर्तों के साथ में में0ईमार एम0जी0एफ0 लैण्ड लि0 सेक्टर -7 गोमती नगर विस्तार (सुल्तानपुर रोड) में प्रस्तावित इटीग्रेटेड टाउनशिप को भूजल उपयोग हेतु अनापत्ति निर्गत की जाती है।

- 1-रूफटाप रेनवाटर हावैस्टिंग पद्धति की स्थापना प्रत्येक दशा में की जाएगी।
- 2-इकाई से 35 मीटर की दूरी पर एक पीजोमीटर स्थापित कराया जाएगा जिससे समय-समय पर जल स्तर का मापन किया जाएगा।
- 3- अपशिष्ट जल का उपचार कर उपयोग में लाये जाने हेतु ट्रीटमेंट प्लांट की स्थापना कराई जायेगी।
- 4-आपके द्वारा 5.70 मिलियन लीटर प्रतिदिन पानी का 5 वर्षों तक उपयोग किया जाएगा, जिसकी सम्पूर्ति रूफटाप रेनवाटर हावैस्टिंग से की जाएगी।

19/1/12
(सुरेश चन्द्र सिंह) अभियन्ता
सहायक अभियन्ता, भूगर्भ जल विभाग खण्ड-लखनऊ H.O.
के.पी.ए. हाउस-यमवरेली

LATEST SITE PHOTOS





Vardan EnviroLab

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

Test Report

Sample Number: VEL/GG/ST/01 Report No.: VEL/ST/2104/14/001
Name & Address of Project: M/s Gomti Greens Sector - 7, Village - Sarsawan, Ahmamau & Ardonamau, Lucknow, (Uttar Pradesh)
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 17/04/2021
Period of Analysis: 14/04/2021 to 17/04/2021
Receipt Date: 14/04/2021

Sample Description : Stack Emission Monitoring

Sample Collected : Vardan EnviroLab Representative
Date of Sampling : 11/04/2021
Sampling Location : D.G. Set Area
Sampling duration (Minutes) : 35.0
Stack attached to : D.G. Set No.1 (25 KVA)
Make of stack : MS
Diameter of stack : 0.075Mtr.
Height of stack : 1.83Mtr.
Meteorological Condition : Clear Sky
Instrument calibration status : Calibrated
Ambient Temperature -Ta (°C) : 34.0
Temperature of Stack Gases - Ts (°C) : 136.0
Velocity of Stack Gases (m/sec.) : 8.23
Flow rate of PM (LPM) : 23.0
Flow rate of Gas (LPM) : 2.00
Sampling condition : Isokinetic
Protocol used : IS :11255

RESULTS

S. No.	Parameter	Protocol	Result	Unit	Limits (As Per CPCB)
1.	Particulate Matter (PM)	IS 11255 (P-1) Gravimetric Method	0.079	gm/Kw-hr	≤ 0.3
2.	Sulphur Dioxide(as SO ₂)	IS:11255 (P-2), Titrimetric Method, RA:2003	1.24	gm/Kw-hr	Not Specified
3.	Nitrogen Dioxide (as NO ₂)	IS 11255 (P-7) Colorimetric Method	1.39	gm/Kw-hr	≤ 4.7
4.	Total Hydrocarbon as Methane	By Gas Chromatography Method	0.54	gm/Kw-hr	≤ 4.7
5.	Carbon Monoxide (as CO)	*SOP No. VEL/SOP/01, Section No. SP 74	0.73	gm/Kw-hr	≤ 3.5

*SOP-Laboratory Standard operating procedure.

KANAK SHARMA
(Tested By)
Jr. Analyst

BIBHUTI NAYAK
(Checked By)
Dy. Technical Manager

VARDAN ENVIROLAB
Dr. Shiv Prakash Singh
(Approved By)
Authorised Signatory

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

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Vardan EnviroLab

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

Test Report

Sample Number: VEL/GG/ST/02 **Report No.:** VEL/ST/2104/14/002
Name & Address of Project: M/s Gomti Greens
Sector - 7, Village - Sarsawan, Ahmamau & Ardonamau, Lucknow, (Uttar Pradesh)
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 17/04/2021
Period of Analysis: 14/04/2021 to 17/04/2021
Receipt Date: 14/04/2021

Sample Description : Stack Emission Monitoring

Sample Collected : Vardan EnviroLab Representative
Date of Sampling : 11/04/2021
Sampling Location : D.G. Set Area
Sampling duration (Minutes) : 36.0
Stack attached to : D.G. Set No21 (25 KVA)
Make of stack : MS
Diameter of stack : 0.075Mtr.
Height of stack : 1.83Mtr.
Meteorological Condition : Clear Sky
Instrument calibration status : Calibrated
Ambient Temperature - Ta (°C) : 33.0
Temperature of Stack Gases - Ts (°C) : 8.34
Velocity of Stack Gases (m/sec.) : 141.0
Flow rate of PM (LPM) : 24.0
Flow rate of Gas (LPM) : 2.00
Sampling condition : Isokinetic
Protocol used : IS :11255

RESULTS

S. No.	Parameter	Protocol	Result	Unit	Limits (As Per CPCB)
1.	Particulate Matter (PM)	IS 11255 (P-1) Gravimetric Method	0.084	gm/Kw-hr	≤ 0.3
2.	Sulphur Dioxide(as SO ₂)	IS:11255 (P-2), Titrimetric Method, RA:2003	1.29	gm/Kw-hr	Not Specified
3.	Nitrogen Dioxide (as NO ₂)	IS 11255 (P-7) Colorimetric Method	1.43	gm/Kw-hr	≤ 4.7
4.	Total Hydrocarbon as Methane	By Gas Chromatography Method	0.63	gm/Kw-hr	
5.	Carbon Monoxide (as CO)	*SOP No. VEL/SOP/01, Section No. SP 74	0.79	gm/Kw-hr	≤3.5

*SOP-Laboratory Standard operating procedure.

KANISHK SHARMA
Fixed By
Jr. Lab Analyst

BIBHATI KAYAK
Checked By
Dy. Technical Manager



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

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Vardan EnviroLab

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

Test Report

Sample Number: VEL/GG/PN/01 Report No.: VEL/PN/2104/14/001
Name & Address of Project: M/s Gomti Greens Sector - 7, Village - Sarsawan, Ahmamau & Ardonamau, Lucknow, (Uttar Pradesh) Format No.: 7.8 F-01
Party Reference No.: NIL Reporting Date: 17/04/2021
Period of Analysis: 14/04/2021 to 17/04/2021
Receipt Date: 14/04/2021

Sample Description: DG NOISE MONITORING

General Information:-

Sample collected by : Vardan EnviroLab Representative
Sampling Location : D.G. Set No.1 (25 KVA)
Instrument Used : Sound Level Meter
Instrument Code : VEL/SLM/06
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/04/2021
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS 9989
Sampling Duration : 30 Minutes.
Parameter Required : As per Work Order

S. No.	Parameters	Test Method	Result dB(A)		
			Open the canopy of DG Set Result dB(A)	Close the canopy of DG Set (0.5 Mtr. Distance) Result dB(A)	Insertion Loss
1.	L_{eq}	CPCB Guideline & Indian Standard:9989	96.2	70.6	25.6
2.	CPCB Limits in dB (A)	-	--	75.00	25.00


KANCHAN SHARMA
Jr. Analyst


BIBHUTI NAYAK
Dy. Technical Manager



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

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Vardan EnviroLab

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

Test Report

Sample Number: VEL/GG/PN/02 **Report No.:** VEL/PN/2104/14/002
Name & Address of Project: M/s Gomti Greens
Sector - 7, Village - Sarsawan, Ahmamau & Ardonamau, Lucknow, (Uttar Pradesh) **Format No.:** 7.8 F-01
Party Reference No.: NIL **Reporting Date:** 17/04/2021
Period of Analysis: 14/04/2021 to 17/04/2021
Receipt Date: 14/04/2021

Sample Description: DG NOISE MONITORING

General Information:-

Sample collected by : Vardan EnviroLab Representative
Sampling Location : D.G. Set No.2 (25 KVA)
Instrument Used : Sound Level Meter
Instrument Code : VEL/SLM/06
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/04/2021
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS 9989
Sampling Duration : 30 Minutes.
Parameter Required : As per Work Order

S. No.	Parameters	Test Method	Result dB(A)		
			Open the canopy of DG Set Result dB(A)	Close the canopy of DG Set (0.5 Mtr. Distance) Result dB(A)	Insertion Loss
1.	L_{eq}	CPCB Guideline & Indian Standard:9989	95.4	70.1	25.3
2.	CPCB Limits in dB (A)	-	-	75.00	25.00

Kanchan
KANCHAN SHARMA
Jr. Lab Analyst

Bishu NAYAK
Dy. Technical Manager
(Checked by)



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

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Vardan EnviroLab

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

Test Report

Sample Number: VEL/GG/A/01 Report No.: VEL/A/2104/14/001
Name & Address of the Project: M/s Gomti Greens Format No.: 7.8 F-01
Sector - 7, Village - Sarsawan, Ahmamau & Ardonamau, Lucknow, (Uttar Pradesh) Party Reference No.: NIL
Reporting Date: 17/04/2021 Period of Analysis: 14/04/2021 to 17/04/2021
Receipt Date: 14/04/2021

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Back Side of Project
Sample collected by : Vardan EnviroLab Representative
Sampling Equipment used : RDS & FPS
Instrument Code : VEL/RDS/FPS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/04/2021 to 12/04/2021
Time of Monitoring : 10:30 AM to 10:30 AM
Ambient Temperature (°C) : Min. 21.0°C, Max. 40.0°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS : 5182 & CPCB Guidelines
Sampling Duration : 24 Hours.
Parameter Required : As per Work Order

S. No	Parameters	Test Method	Results	Units	Limit as per CPCB
1.	Particulate Matter (as PM – 10)	IS:5182 (P-23), Gravimetric Method, RA:2006	89.14	µg/m ³	100
2.	Particulate Matter (as PM – 2.5)	SOP No. VEL/SOP/01, Section No. SP 63:2013	54.26	µg/m ³	60
3.	Nitrogen Dioxide (as NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser, RA:2006	24.41	µg/m ³	80
4.	Sulphur Dioxide (as SO ₂)	IS: 5182 (P-2), Modified West and Gaeke, RA:2012	12.21	µg/m ³	80
5.	Carbon Monoxide (as CO)	IS: 5182 (P-10), Gas Chromatography, RA:2003	0.78	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


KANCHAN SHARMA
(Tested By)
Jr. Lab Analyst


BISHNU NAYAK
(Checked By)
Dy. Technical Manager



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

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Vardan EnviroLab

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

Test Report

Sample Number: VEL/GG/A/02 Report No.: VEL/A/2104/14/002
Name & Address of the Project: M/s Gomti Greens Format No.: 7.8 F-01
Sector - 7, Village - Sarsawan, Ahmamau & Ardonamau, Lucknow, (Uttar Pradesh) Party Reference No.: NIL
Reporting Date: 17/04/2021
Period of Analysis: 14/04/2021 to 17/04/2021
Receipt Date: 14/04/2021

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Project Office
Sample collected by : Vardan EnviroLab Representative
Sampling Equipment used : RDS & FPS
Instrument Code : VEL/RDS/FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/04/2021 to 12/04/2021
Time of Monitoring : 10:00 AM to 10:00 AM
Ambient Temperature (°C) : Min. 21.0°C, Max. 40.0°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS : 5182 & CPCB Guidelines
Sampling Duration : 24 Hours.
Parameter Required : As per Work Order

S. No	Parameters	Test Method	Results	Units	Limit as per CPCB
1.	Particulate Matter (as PM – 10)	IS:5182 (P-23), Gravimetric Method, RA:2006	83.15	µg/m ³	100
2.	Particulate Matter (as PM – 2.5)	SOP No. VEL/SOP/01, Section No. SP 63:2013	51.63	µg/m ³	60
3.	Nitrogen Dioxide (as NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser, RA:2006	21.41	µg/m ³	80
4.	Sulphur Dioxide (as SO ₂)	IS: 5182 (P-2), Modified West and Gaeke, RA:2012	11.41	µg/m ³	80
5.	Carbon Monoxide (as CO)	IS: 5182 (P-10), Gas Chromatography, RA:2003	0.73	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


KANCHAN SHARMA
(Tested By)
Jr. Lab Analyst


BIBHUTI CHAKRABORTY
Dy. Techno (Checked By)



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

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



Vardan EnviroLab

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

Test Report

Sample Number: VEL/GG/A/03 Report No.: VEL/A/2104/14/003
Name & Address of the Project: M/s Gomti Greens Format No.: 7.8 F-01
Sector - 7, Village - Sarsawan, Ahmamau & Ardonamau, Lucknow, (Uttar Pradesh) Party Reference No.: NIL
Reporting Date: 17/04/2021
Period of Analysis: 14/04/2021 to 17/04/2021
Receipt Date: 14/04/2021

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Main Entry Gate
Sample collected by : Vardan EnviroLab Representative
Sampling Equipment used : RDS & FPS
Instrument Code : VEL/RDS/FPS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/04/2021 to 12/04/2021
Time of Monitoring : 09:30 AM to 09:30 AM
Ambient Temperature (°C) : Min. 20.0°C, Max. 40.0°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS : 5182 & CPCB Guidelines
Sampling Duration : 24 Hours.
Parameter Required : As per Work Order

S.No	Parameters	Test Method	Results	Units	Limit as per CPCB
1.	Particulate Matter (as PM – 10)	IS:5182 (P-23), Gravimetric Method, RA:2006	87.15	µg/m ³	100
2.	Particulate Matter (as PM – 2.5)	SOP No. VEL/SOP/01, Section No. SP 63:2013	53.22	µg/m ³	60
3.	Nitrogen Dioxide (as NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser, RA:2006	23.51	µg/m ³	80
4.	Sulphur Dioxide (as SO ₂)	IS: 5182 (P-2), Modified West and Gaeke, RA:2012	13.65	µg/m ³	80
5.	Carbon Monoxide (as CO)	IS: 5182 (P-10), Gas Chromatography, RA:2003	0.79	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

KANCHAN SHARMA
(Tested By)
Jr. Lab Analyst

BISHU KUMAR
Dy. Technical Manager

(Approved By)
[Signature]

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

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



Vardan EnviroLab

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

Test Report

Sample Number: VEL/GG/AN/01 Report No.: VEL/AN/2104/14/001
Name & Address of Project: M/s Gomti Greens Sector - 7, Village - Sarsawan, Ahmamau & Ardonamau, Lucknow, (Uttar Pradesh) Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 17/04/2021
Period of Analysis: 14/04/2021 to 17/04/2021
Sample Description : AMBIENT NOISE LEVEL MONITORING Receipt Date: 14/04/2021

General Information:-

Sample collected by : Vardan EnviroLab Representative
Sampling Location : Back Side of Project
Instrument Used : Sound Level Meter
Instrument Code : VEL/SLM/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/04/2021 to 11/04/2021
Time of Monitoring : 06:00 AM to 06:00AM
Ambient Temperature (°C) : Min. 20.0°C, Max. 40.0°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : CPCB Guidelines & IS-9989
Sampling Duration : 24 Hours.
Parameter Required : As per Work Order

S. No.	Parameters	Test Method	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	L_{max}	IS -9989	63.4	56.8	dB(A)
2.	L_{min}	IS- 9989	44.5	36.6	dB(A)
3.	L_{eq}	IS -9989	53.4	40.0	dB(A)
4.	CPCB Limits in dB(*A) L_{eq} (Residential Area)		55.00	45.00	dB(A)

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

KANGSHAN SHARMA
(Tested By)
Jr. Lab Analyst

BIBHUTI NAYAK
Dy. Tech. Manager
(Checked By)

Dr. Shashi Kant
(Approved By)

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

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Vardan EnviroLab

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

Test Report

Sample Number: VEL/GG/AN/02 **Report No.:** VEL/AN/2104/14/002
Name & Address of Project: M/s Gomti Greens
Sector - 7, Village - Sarsawan, Ahmamau & Ardonamau, Lucknow, (Uttar Pradesh). **Format No.:** 7.8 F-01
Party Reference No.: NIL
Reporting Date: 17/04/2021
Period of Analysis: 14/04/2021 to 17/04/2021
Sample Description : AMBIENT NOISE LEVEL MONITORING **Receipt Date:** 14/04/2021

General Information:-

Sample collected by : Vardan EnviroLab Representative
Sampling Location : Project Office
Instrument Used : Sound Level Meter
Instrument Code : VEL/SLM/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/04/2021 to 11/04/2021
Time of Monitoring : 06:00 AM to 06:00AM
Ambient Temperature (°C) : Min. 20.0°C, Max. 40.0°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : CPCB Guidelines & IS-9989
Sampling Duration : 24 Hours.
Parameter Required : As per Work Order

S. No.	Parameters	Test Method	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	L _{max}	IS -9989	58.4	54.4	dB(A)
2.	L _{min}	IS- 9989	42.5	35.6	dB(A)
3.	L _{eq}	IS -9989	51.6	43.5	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.

Anchan
RANJAN SHARMA
(Tested By)
Jr. Lab Analyst

BISHU NAYAK
Dy. Test Manager
(Checked By)

(Signature)
(Approved By)

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

www.vardan.co.in



Vardan EnviroLab

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

Test Report

Sample Number: VEL/GG/AN/03 **Report No.:** VEL/AN/2104/14/003
Name & Address of Project: M/s Gomti Greens
Sector - 7, Village - Sarsawan, Ahmamau & Ardonamau, Lucknow, (Uttar Pradesh) **Format No.:** 7.8 F-01
Party Reference No.: NIL
Reporting Date: 17/04/2021
Period of Analysis: 14/04/2021 to 17/04/2021
Sample Description : AMBIENT NOISE LEVEL MONITORING **Receipt Date:** 14/04/2021

General Information:-

Sample collected by : Vardan EnviroLab Representative
Sampling Location : Main Entry Gate
Instrument Used : Sound Level Meter
Instrument Code : VEL/SLM/05
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/04/2021 to 11/04/2021
Time of Monitoring : 06:00 AM to 06:00AM
Ambient Temperature (°C) : Min. 20.0°C, Max. 40.0°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : CPCB Guidelines & IS-9989
Sampling Duration : 24 Hours.
Parameter Required : As per Work Order

S. No.	Parameters	Test Method	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	L _{max}	IS -9989	60.1	57.9	dB(A)
2.	L _{min}	IS- 9989	43.6	37.5	dB(A)
3.	Leq	IS -9989	50.8	41.6	dB(A)
4.	CPCB Limits in dB(*A) Leq (Residential Area)		55.00	45.00	dB(A)

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

KANCHAN KUMAR
(Tested By)
Jr. Lab Analyst

BIBHUTI NAYAK
(Checked By)
Dy. Technical Manager



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

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Vardan EnviroLab

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

Test Report

Sample Number: VEL/GG/W/01 **Report No.:** VEL/W/2104/14/001
Name & Address of Project: M/s Gomti Greens
 Sector - 7, Village - Sarsawan, Ahmamau & Ardonamau, Lucknow, (Uttar Pradesh) **Format No.:** 7.8 F-01
Party Reference No.: NIL
Reporting Date: 19/04/2021
Period of Analysis: 14/04/2020 to 19/04/2021
Receipt Date: 14/04/2021
Sampling Date: 11/04/2021
Type of Sampling: Grab
Sampling Quantity: 5.0 L+250ml.
Preservation: Refrigerated

Sample Description: Drinking Water Sample
Sampling Location: Near Project Office Pantry Area
Sample Collected by: Vardan EnviroLab Representative
Sampling & Analysis Protocol: APHA & IS

S. No.	Parameter	Test-Method	Result	Unit	Requirement as per IS:10500 -2012#	
					Acceptable Limits	Permissible Limits
1.	pH (at 25 °C)	APHA ,4500-H ⁺ B Electrometric Method	7.48	--	6.5 to 8.5	No Relaxation
2.	Colour	APHA ,2120 B. Visual Comparison Method	*BDL (**DL 1.0 Hazen)	Hazen	5	15
3.	Turbidity	APHA, 2130 B, Nephelometric Method	*BDL (**DL 1.0 NTU)	NTU	1	5
4.	Odour	APHA, 2150 B , Threshold Test Method	Agreeable	--	Agreeable	Agreeable
5.	Taste	APHA , 2160 B, Threshold Test Method	Agreeable	--	Agreeable	Agreeable
6.	Total Hardness as CaCO ₃	APHA , 2340 C, EDTA Titrimetric Method	87.91	mg/l	200	600
7.	Calcium as Ca	APHA, 3500 Ca B, EDTA Titrimetric Method	15.97	mg/l	75	200
8.	Alkalinity as CaCO ₃	APHA , 2320 B, Titrimetric Method	79.36	mg/l	200	600
9.	Chloride as Cl	APHA, 4500-Cl ⁻ B, Argentometric Method	10.14	mg/l	250	1000
10.	Cyanide as CN	IS:3025 (P-27)	*BDL(**DL 0.02 mg/l)	mg/l	0.05	No Relaxation
11.	Magnesium as Mg	APHA , 3500 Mg B, Calculation Method	11.67	mg/l	30	100
12.	Total Dissolved Solids	APHA , 2540 C, Gravimetric Method	130.00	mg/l	500	2000
13.	Sulphate as SO ₄	APHA , 4500 E, Turbidimetric Method	1.87	mg/l	200	400
14.	Fluoride as F	APHA , 4500-F ⁻ D, SPADNS Method	*BDL(**DL 0.2 mg/l)	mg/l	1.0	1.5
15.	Nitrate as NO ₃	IS 3025 (P-34) ,Chromotropic Method	*BDL(**DL 1.0 mg/l)	mg/l	45	No Relaxation
16.	Iron as Fe	IS 3025 (Part-65)	*BDL(**DL 0.01 mg/l)	mg/l	1.0	No relaxation
17.	Aluminium as Al	IS 3025 (Part-65)	*BDL(**DL 0.002 mg/l)	mg/l	0.03	0.2
18.	Boron	IS 3025 (Part-65)	*BDL(**DL 0.01 mg/l)	mg/l	0.5	2.4
19.	Total Chromium as Cr	IS 3025 (Part-65)	*BDL(**DL 0.002 mg/l)	mg/l	0.05	No Relaxation

Anshu
KANCHAN SHARMA
 Jr. Test

Dr. Shashi Prakash
 (Checked By)



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Vardan EnviroLab

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

Test Report

Sample No.: VEL/GG/W/01

Report No: VEL/W/2104/14/001

S. No	Parameter	Test-Method	Result	Unit	Requirement as per IS:10500 -2012#	
					Acceptable Limits	Permissible Limits
20.	Phenolic Compounds	APHA, 5530 C Chloroform Extraction Method	*BDL(**DL 0.0004 mg/l)	mg/l	0.001	0.002
21.	Mineral Oil	Clause 6 of IS:3025(Part 39)	*BDL(**DL 0.05mg/l)	mg/l	0.5	No Relaxation
22.	Anionic Detergents as MBAS	Anex K, IS 13428/IS 3025 (P-68)	*BDL(**DL 0.05 mg/l)	mg/l	0.2	1.0
23.	Zinc as Zn	IS 3025 (Part-65)	*BDL(**DL 0.01 mg/l)	mg/l	5	15
24.	Copper as Cu	IS 3025 (Part-65)	*BDL(**DL 0.002 mg/l)	mg/l	0.05	1.5
25.	Manganese as Mn	IS 3025 (Part-65)	*BDL(**DL 0.01 mg/l)	mg/l	0.1	0.3
26.	Cadmium as Cd	IS 3025 (Part-65)	*BDL(**DL 0.002 mg/l)	mg/l	0.003	No Relaxation
27.	Lead as Pb	IS 3025 (Part-65)	*BDL(**DL 0.002 mg/l)	mg/l	0.01	No Relaxation
28.	Selenium as Se	IS 3025 (Part-65)	*BDL(**DL 0.001 mg/l)	mg/l	0.01	No Relaxation
29.	Arsenic as As	IS 3025 (Part-65)	*BDL(**DL 0.005 mg/l)	mg/l	0.01	No Relaxation
30.	Mercury as Hg	IS 3025 (Part-65)	*BDL (**DL 0.0005 mg/l)	mg/l	0.001	No Relaxation
31.	Total Coliform	IS 15185:2002(RA- 2016)	Absent	/100ml	Shall not be detectable in any 100 ml sample	
32.	E. Coli	IS 15185:2002 (RA- 2016)	Absent	/100ml	Shall not be detectable in any 100 ml sample	

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

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


Anshu SHARMA
(Tested By) Analyst


Dr. Shikha Prakash
(Checked By)



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

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