

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

Date: 15.12.2023

Subject: **Construction of Residential Township Project at Village Jhai, Bhamboria, District Jaipur, Rajasthan by M/s Emaar India Ltd – Submission of Six-monthly Compliance Report – Dec 2023.**

Ref: **Environment Clearance Letter No. 21-44/2008-IA. III Dated 13.02.2008**

Dear Sir,

With reference to the above-mentioned subject, we are hereby submitting soft copy of six-monthly Compliance Report for the proposed Residential Township project for the month of **Dec 2023**.

We hope the above report meets your requirement.

**Thanks and Regards,**

**For M/S EMAAR INDIA LIMITED**



**(Authorized Signatory)**

**Encl:** As stated

- CC:** 1. The Chairman, State Environment Impact Assessment Authority Department of Environment Govt. of Rajasthan, Secretariat Jaipur-302005  
2. The member Secretary, Rajasthan State Pollution Control Board, 4, Institutional Area Jhalana Doongri, Jaipur

SIX MONTHLY REPORT

**Project Name: Residential Township Project “Jaipur Greens” at Village Jhai, Bhamboria, District Jaipur, Rajasthan**

**Environment Clearance Letter No. 21-44/2008-IA. III Dated 13.02.2008**

S. No.	EC Conditions	Action Required
<b>PART A- SPECIFIC CONDITION</b>		
<b>I. <u>Construction Phase</u></b>		
(i)	Vehicles hired for construction activities should be operated only during non-peak hours.	Being adhered.
(ii)	All the top soil excavated during construction activities should be stored for use in horticulture / landscape developments within the project site.	Excavated topsoil excavated during infrastructure development work like roads, storm drains utilized for development of horticulture and landscaping.
(iii)	Ready mixed concrete shall be used in building construction.	Will be adhered to.
(iv)	Water demand during construction shall be reduced by use of pre mixed concrete, curing agents and other best practices.	Will be adhered to.
(v)	Permission to draw & use ground water for construction work shall be obtained from competent authority prior to construction/operation of project.	For the development of infrastructure work (road, storm drains etc) water is sourced through tankers. Permission to draw & use ground water shall be obtained from competent authority prior to operation of project.
(vi)	Fixtures for showers, toilet, flushing & drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.	Will be adhered to.
(vii)	Use of glass may be reduced upto 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.	Will be adhered to.
(viii)	Roof should meet prescriptive requirement as per ECBC by using appropriate thermal insulation material to fulfill requirement.	Will be adhered to.
(ix)	Opaque wall should meet prescriptive requirement as per energy conservation building code which is proposed to be mandatory for all air conditioned spaces while it is aspirational for non air conditioned spaces by use of appropriate thermal	Will be adhered to.

S. No.	EC Conditions	Action Required
	insulation to fulfill requirement.	
(x)	Storm water control and its reuse should be as per Central Ground Water Board and BIS standards for various applications.	Will be adhered to.
(xi)	All required sanitary and hygienic measures including portable toilets / septic tank etc. for labour should be in place before starting construction activities and to be maintained throughout the construction phase.	<p>Following measures will be adopted for good sanitary and hygienic conditions at site</p> <ul style="list-style-type: none"> <li>• Potable drinking water</li> <li>• Proper sanitation facility</li> <li>• Solid waste bins and its disposal</li> </ul>
(xii)	Soil and ground water samples will be tested to ascertain that there is no threat to groundwater quality by leaching of heavy metals and other toxic contaminants.	Soil & groundwater analysis has been carried out to ascertain that there is no threat to groundwater quality by leaching of heavy metals & other toxic contaminants. Ground water and soil report is enclosed as <b>Annexure 1 &amp; Annexure 2</b> respectively.
(xiii)	A First Aid Room will be provided at the project site both during construction and operation of the project.	First Aid facility is available at site.
(xiv)	Adequate drinking water facility should be provided for construction workers at the site. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.	Provision of potable drinking water through tankers made at the project site. The disposal of wastewater from temporary toilets will be through septic tank. The solid waste from the construction camp and project site will be collected and disposed off properly.
(xv)	Disposal of muck including excavated material during construction phase should not create any adverse effects on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people	All preventive and safety measures will be in place for transportation, disposal of muck and excavated material.
(xvi)	Diesel power generating sets used during construction phase should be of "enclosed type" to prevent noise & should conform to rules made under Environment (Protection) Act 1986, prescribed for air & noise emission standards.	Diesel power generating set are enclosed type and conforms to rules made under Environment (Protection) Act prescribed for air and noise emission standards. Copy of report for DG stack emission and DG noise is attached as <b>Annexure 3 &amp; Annexure 4</b> respectively.
(xvii)	Ambient noise levels should conform to standards both during day & night when measured at boundary wall of the premises. Incremental pollution loads on ambient air & noise quality should be closely monitored during construction	Ambient air and noise monitoring has been carried out by MoEF approved laboratory and results are enclosed as <b>Annexure 5 and Annexure 6</b> respectively.

S. No.	EC Conditions	Action Required
	phase.	
(xviii)	Construction agencies shall use flyash based material/ products as per provisions of fly ash notification of 14.9.1999 & as amended on 27.8.2003.	Fly ash will be used as an alternative material, wherever applicable, based on its availability.
(xix)	Vehicles hired for bringing construction material at site should be in good condition and should have valid "pollution under check"(PUC) certificate and to conform to applicable air and noise emission standards and should be operated only during non-peak hours.	Being adhered to.
(xx)	Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such material must be secured so that they should not leach into the ground water.	Will be adhered to.
(xxi)	Any hazardous waste generated during construction phase should be disposed of as per applicable Rules & norms with necessary approvals of the State Pollution Control Board.	Will be adhered to.
(xxii)	Under the provisions of Environment (Protection) Act 1986, legal action shall be initiated against project proponent if it was found that construction of the project had started without obtaining environmental clearance.	Environmental Clearance has been obtained.
(xxiii)	Diesel required for operating DG Set shall be stored in underground tanks & if required, clearance from Chief Controller of Explosives shall be taken.	At present diesel is purchased on daily basis and is stored in 200 lit barrel at designated area. Adequate provision will be made for storage of diesel, if required necessary clearance will be obtained from the Chief Controller of explosive.
(xxiv)	Approval of competent authority shall be obtained for structural safety of buildings due to earthquake, adequacy of fire fighting equipments etc. as per National Building Code including protection measures from lightening etc. If any forest land is involved in the proposed site, clearance under The Forest Conservation Act shall be taken from the competent Authority,	Necessary approvals will be obtained from Competent Department for structural safety and adequacy of fire fighting equipment. No forest land is involved in the proposed project. Hence clearance from Forest Dept. under Forest Conservation Act is not required.
(xxv)	Regular supervision of the above & other measures for monitoring should be in place all through construction phase so as to avoid disturbance to surroundings.	Will be adhered to.

S. No.	EC Conditions	Action Required
<b>II. Operation Phase</b>		
i)	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" and conform to rules made under The Environment (Protection) Act 1986. The location of DG Sets may be decided in consultation with State Pollution Control Board.	Will be adhered to.
ii)	During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations	Will be adhered to.
iii)	Noise should be controlled to ensure that it does not exceed the prescribe standards	Will be adhered to.
iv)	Weep holes in the compound walls shall be provided to ensure natural drainage of rainwater in the catchment area during the monsoon period.	Will be provided wherever applicable.
v)	STP shall be installed for treatment of sewage generated to prescribed standards including odour & treated effluent will be re-cycled to maximum extent possible. In case treated effluent is to be discharged separately during monsoon period consent of SPCB shall be taken.	STP of adequate capacity will be provided, treated waste water from proposed sewage treatment plant will reused for gardening and make up water for cooling tower to HVAC and DG sets. Consent to Operate from RSPCB will be obtained.
vi)	Separation of gray and black water should be done by use of dual plumbing line. Treatment of 100% gray water by decentralized treatment should be done.	Wastewater will be treated at the proposed STP and will be recycled for gardening and cooling purposes
vii)	For disinfection of waste water ultra violet radiation shall be used in place of chlorination.	Will be adhered to.
viii)	Rainwater harvesting and ground water recharging shall be practiced. Oil & Grease trap shall be provided to remove oil and grease from the surface run off and suspended matter shall be removed in a settling tank before its utilization for rainwater harvesting.	Will be adhered to.
ix)	The solid waste generated should be properly collected & segregated. Wet garbage should be sent for composting and dry/inert solid waste should be disposed off to approved sites for land filling after recovering recyclable material.	Solid waste from project will be segregated into two categories (biodegradable & non-biodegradable waste) by housekeeping staff. Non biodegradable i.e. recyclable waste will be recycled & inert will be disposed off to designated land fill site. Whereas biodegradable will be disposed off to vendor

S. No.	EC Conditions	Action Required
		for composting
x)	The open spaces inside the plot should be preferably landscaped and covered with vegetation of indigenous variety. Green belt of adequate width and density will be provided all around the periphery of the plot suitably with local species to reduce noise and dust level.	About 96,487 sq. m has been earmarked for development of green area. Provision will be made for adequate green belt at the periphery of the plot.
xi)	The ground water levels and its quality should be monitored regularly in consultation with Central Ground Water Authority	Ground water level and characteristics will be analyzed periodically.
xii)	A Report on the energy conservation measures should be prepared incorporating details about building materials & technology, R & U Factors etc and submitted to the Ministry in three months time.	The energy conservation norms finalized by BEE will be incorporated, wherever applicable, and report on the energy conservation will be submitted within three month before commissioning of the project
xiii)	The values of R & U for the building envelope should meet the requirements of the hot & humid climatic location. Details of the building envelope should be worked out and furnished in three months time.	Will be adhered to.
xiv)	Energy conservation measures like installation of CFLs/FLs for lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Used CFLs & FLs should be properly collected and disposed of/sent for re-cycling as per the prevailing rules/guidelines of the regulatory authority to avoid Mercury contamination. Use of solar panels may be done to the extent possible.	Will be adhered to.
xv)	Buildings should have adequate distance between them to allow movement of fresh air and passage of light to the residential premises.	Adequate distance between the buildings will be provided for the movement of fresh air and passage of light.
xvi)	Adequate measures should be taken to prevent odour problem from solid waste processing plant as also from the STP.	Proper ventilation arrangements will be made to avoid odour problem at solid waste collection, segregation area and STP.
<b>PART B - GENERAL CONDITIONS</b>		
(i)	The environmental safeguards contained in the EIA Report should be implemented in letter and spirit.	Will be adhered to.
(ii)	Provision should be made for supply of kerosene or cooking gas and pressure cooker to the labourers during construction phase	Will be adhered to.

S. No.	EC Conditions	Action Required
(iii)	Six monthly monitoring reports should be submitted to the Ministry and it's Regional Office, Lucknow.	Will be adhered to.
4	Officials from the Regional Office of MOEF, Lucknow who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF should be forwarded to the CCF, Regional office of MOEF, Lucknow	A complete set of document has been forwarded to the CCF, Regional office of MOEF, Lucknow <i>(reference- EmaarMGF/SEC/ EC/458, dated 09.01.2009)</i>
5	In case of any change(s) in scope of project, the project would require a fresh appraisal by this Ministry.	Will be adhered to.
6	Ministry reserves the right to add additional safeguard measures subsequently, if found necessary. Environment Clearance granted will be revoked if it is found that false information has been given for approval of project.	Will be adhered to.
7	Necessary permission shall be obtained from the State Fire Department for providing fire safety before allotment of premises. If any forest land is involved in the proposed site, clearance under the Forest Conservation Act, 1980 for the Competent Authority shall be taken	Will be adhered to. No forest land is involved in the proposed project. Hence clearance from Forest Dept. under Forest Conservation Act is not required.
8	These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act 1981, the Environment (Protection) Act, 1986 and the Public Liability (Insurance) Act, 1991	Will be adhered to.
9	The project proponent shall enter into MoU with all buyers of the property to ensure operation and maintenance of the STP and other assets	Will be adhered to.
10	Any appeal against this Environmental Clearance shall lie with the National Environment Appellate, if preferred, within a period of 30 days as prescribed under section 11 of National Environment Appellate Act, 1997	Noted.





### Test Report

Page No. 1/3

Sample Number : VEL/W/01  
Name & Address of the Party : M/s Emaar India Community  
Jaipur Green SEZ Road Laliya Ka Bass Jaipur  
Rajasthan

Report No. : VEL/W/2311200009  
Format No : 7.8 F 03  
Party Reference No : Nil  
Reporting Date : 24/11/2023  
Period of Analysis : 20/11/2023-24/11/2023  
Receipt Date : 20/11/2023  
Sampling Date : 17/11/2023  
Sampling Quantity : 5.0 Ltr. + 250 ml  
Sampling Type : Grab

Name of Sample : Drinking Water  
Sample Group : Water/Residues and contaminants in Water  
Location : Near Site Office  
Sample Collected by : VEL Representative (Mr. Rajendra Yadav)  
Environmental Condition : 25±2°C  
Sampling and Analysis Protocol : APHA & IS

S.No.	Test Parameters	Test Method	Results	Units	Requirement as per IS:10500-2012#	
					Acceptable Limits	Permissible Limits
Discipline : Chemical						
1	pH (at 25°C)	IS 3025 (P-11)	7.41	--	6.5 to 8.5	No Relaxation
2	Colour,max	IS 3025 (P-4)	BLQ(LOQ-1.0)	Hazen	5	15
3	Turbidity,max	IS 3025 (P-10)	BLQ(LOQ-1.0)	NTU	1	5
4	Odour	IS 3025 (P-5)	Agreeable	--	Agreeable	Agreeable
5	Taste	IS 3025 (P-8)	Agreeable	--	Agreeable	Agreeable
6	Total Dissolved Solids (at 180°C ± 1°C),max	IS 3025 (P-16)	553.00	mg/L	500	2000
7	Calcium (as Ca),max	IS 3025 (P-40)	48.20	mg/L	75	200
8	Alkalinity (as CaCO <sub>3</sub> )	IS 3025 (P-23)	153.20	mg/L	200	600
9	Chloride (as Cl),max	IS 3025 (P-32)	80.90	mg/L	250	1000
10	Magnesium (as Mg),max	APHA,3500 Mg B	11.61	mg/L	30	100
11	Total Hardness (as CaCO <sub>3</sub> ),max	IS 3025 (P-21)	168.30	mg/L	200	600
12	Sulphate (as SO <sub>4</sub> ),max	IS 3025 (P-24)	16.20	mg/L	200	400
13	Fluoride (as F),max	APHA 4500 F D	0.32	mg/L	1.0	1.5
14	Nitrate (as NO <sub>3</sub> ),max	IS: 3025(P-34) Chromotropic Method	3.50	mg/L	45.0	No Relaxation
15	Iron (as Fe),max	VEL/STP/ICP/W-01, Issue No. -01, Issue date 01/11/2021	BLQ(LOQ-0.01)	mg/L	1.0	No Relaxation
16	Aluminium (as Al),max	VEL/STP/ICP/W-01, Issue No. -01,	BLQ(LOQ-0.0)	mg/L	0.03	0.2

Reviewed By

Bhishu Nayak  
By Tam Manager

Authorized Signatory

Prakash Singh

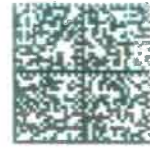
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## Test Report

Sample Number : VEL/W/01

Report No.

: VEL/W/2311200009

S.No.	Test Parameters	Test Method	Results	Units	Requirement as per IS:10500-2012#	
					Acceptable Limits	Permissible Limits
16		Issue date 01/11/2021	05)			
17	Boron (as B),max	VEL/STP/ICP/W-01, Issue No. -01, Issue date 01/11/2021	BLQ(LOQ-0.01)	mg/L	0.5	2.4
18	Total Chromium (as Cr),max	VEL/STP/ICP/W-01, Issue No. -01, Issue date 01/11/2021	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
19	Phenolic Compounds (C6H5OH),max	IS 3025 (P-43)	BLQ(LOQ-0.005)	mg/L	0.001	0.002
20	Mineral Oil,max	IS:3025 (P-39)	BLQ(LOQ-0.1)	mg/L	1.0	No Relaxation
21	Anionic Detergents (as MBAS),max	IS 3025(Part-68)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
22	Zinc (as Zn),max	VEL/STP/ICP/W-01, Issue No. -01, Issue date 01/11/2021	1.03	mg/L	5.0	15.0
23	Copper (as Cu),max	VEL/STP/ICP/W-01, Issue No. -01, Issue date 01/11/2021	BLQ(LOQ-0.02)	mg/L	0.05	1.5
24	Manganese (as Mn),max	VEL/STP/ICP/W-01, Issue No. -01, Issue date 01/11/2021	BLQ(LOQ-0.01)	mg/L	0.1	0.3
25	Selenium (as Se),max	VEL/STP/ICP/W-01, Issue No. -01, Issue date 01/11/2021	BLQ(LOQ-0.01)	mg/L	0.01	No Relaxation
26	Cadmium (as Cd),max	VEL/STP/ICP/W-01, Issue No. -01, Issue date 01/11/2021	BLQ(LOQ-0.02)	mg/L	0.003	No Relaxation
27	Lead (as Pb),max	VEL/STP/ICP/W-01, Issue No. -01, Issue date 01/11/2021	BLQ(LOQ-0.02)	mg/L	0.01	No Relaxation
28	Cyanide (as CN),max	IS 3025 (P-27)	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
29	Arsenic (as As),max	VEL/STP/ICP/W-01, Issue No. -01, Issue date 01/11/2021	BLQ(LOQ-0.05)	mg/L	0.01	No Relaxation
30	Mercury (as Hg),max	VEL/STP/ICP/W-01, Issue No. -01, Issue date 01/11/2021	BLQ(LOQ-0.005)	mg/L	0.001	No Relaxation

Reviewed By   
24/11/2023  


  
Authorized Signatory  
Prakash  
24/11/2023

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## Test Report

Sample Number : VEL/W/01

Report No. : VEL/W/2311200009

S.No.	Test Parameters	Test Method	Results	Units	Requirement as per IS:10500-2012#	
					Acceptable Limits	Permissible Limits
<b>Discipline : Biological</b>						
31	Total Coliform	IS 15185	Absent	/100 ml	Shall not be detectable in any 100 ml sample	--
32	E.coli	IS 15185	Absent	/100 ml	Shall not be detectable in any 100 ml sample	--

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification

\*\*\*End of Report\*\*\*

*Signature*  
 Reviewed By  
**Dr. A. DEV**  
 Dy. Technical Manager-Micro

*Signature*  
 24/11/2023  
 Authorized Signatory

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### Test Report

Page No. 1/2

Sample Number : VEL/PE/01  
Name & Address of the Party : M/s Emaar India Community  
Jaipur Green SEZ Road Laliya Ka Bass Jaipur  
Rajasthan

Report No. : VEL/PE/2311200011  
Format No : 7.8 F-03  
Party Reference No : Nil  
Reporting Date : 24/11/2023  
Period of Analysis : 20/11/2023-24/11/2023  
Receipt Date : 20/11/2023  
Sampling Date : 17/11/2023  
Sampling Quantity : 2.0 Kg  
Sampling Type : Grab  
Packing Status : -

Name of Sample : SOIL  
Sample Group : Pollution & Environment  
Location : Near Main Gate Area  
Sample Collected By : VEL Representative (Mr. Rajendra Yadav)  
Environmental Condition : 25±2°C  
Parameter Required : As per work order  
Sampling and Analysis Protocol : IS 2720, APHA & USDA

S.No.	Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH (at 25°C)	IS : 2720 (P-26)	7.22	--
2	Electrical Conductivity	IS :14767	0.276	mS/cm
3	Colour	VEL/STP/EN/67, Issued No.- 01, 01/11/2021	Brownish	--
4	Water holding capacity	VEL/STP/EN/86, Issued No.- 01, 01/11/2021	34.72	%
5	Bulk density	VEL/STP/EN/59, Issued No.- 01, 01/11/2021	1.67	gm/cc
6	Chloride (as Cl)	VEL/STP/EN/69, Issued No.- 01, 01/11/2021	20.23	mg/kg
7	Calcium (as Ca)	VEL/STP/EN/72, Issued No.- 01, 01/11/2021	24.56	mg/kg
8	Sodium (as Na)	VEL/STP/EN/62, Issued No.- 01, 01/11/2021	120.24	mg/kg
9	Potassium (as K)	VEL/STP/EN/61, Issued No.- 01, 01/11/2021	35.26	mg/kg
10	Organic Matter	IS 2720 (P-22)	0.32	%
11	Magnesium (as Mg)	VEL/STP/EN/72, Issued No.- 01, 01/11/2021	10.36	mg/kg
12	Available Nitrogen (as N)	IS 14648	126.08	kg./hec.
13	Available Phosphours	VEL/STP/EN/73, Issued No.- 01, 01/11/2021	12.56	kg./hec.
14	Total Zinc (as Zn)	VEL/STP/HW/03, Issued No.- 01, 01/11/2021	1.35	mg/kg
15	Total Manganese (as Mn)	VEL/STP/HW/03, Issued No.- 01, 01/11/2021	2.46	mg/kg
16	Total Chromium (as Cr)	VEL/STP/HW/03, Issued No.- 01, 01/11/2021	0.72	mg/kg
17	Total Lead (as Pb)	VEL/STP/HW/03, Issued No.- 01, 01/11/2021	1.35	mg/kg
18	Total Cadmium (as Cd)	VEL/STP/HW/03, Issued No.- 01, 01/11/2021	BLQ(LOQ-0.5)	mg/kg

Reviewed By

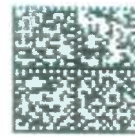
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## Test Report

Page No. 2/2

Sample Number : VEL/PE/01

Report No. : VEL/PE/2311200011

S.No.	Parameters	Test Method	Results	Units
19	Total Copper (as Cu)	VEL/STP/HW/03, Issued No.- 01, 01/11/2021	1.82	mg/kg
20	Soil Texture	VEL/STP/EN/64, Issued No.- 01, 01/11/2021	Sandy Loam	--

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification

\*\*\*End of Report\*\*\*

Reviewed By



Authorized Signatory



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### Test Report

Page No. 1/1

Sample Number : VEL/AP/04  
Name & Address of the Party : M/s Emaar India Community  
Jaipur Green SEZ Road Laliya Ka Bass Jaipur  
Rajasthan

Report No. : VEL/AP/2311200028  
Format No : 7.8 F-03  
Party Reference No : Nil  
Reporting Date : 24/11/2023  
Period of Analysis : 20/11/2023-24/11/2023  
Receipt Date : 20/11/2023

Name of Sample : Stack Emission Monitoring  
Sample Group : Atmospheric Pollution

#### General Information

Sampling Location : DG Set Area  
Sample Collected By : VEL Representative (Mr. Rajendra Yadav)  
Date of Sampling : 17/11/2023  
Sampling duration (Minutes) : 35.0 Min.  
Stack attached to : DG Set (25 KVA)  
Make of stack : MS  
Type of Fuel Used : HSD  
Diameter of stack(m) : 0.101 Mtr.  
Height of stack(m) : 3.0 Mtr.  
Instrument calibration status : Calibrated  
Meteorological Condition : Clear Sky  
Ambient Temperature - Ta (°C) : 40.0  
Temperature of Stack Gases - Ts (°C) : 95.0  
Velocity of Stack Gases (m/sec.) : 8.21  
Flow rate of PM (LPM) : 26.0  
Flow rate of Gas (LPM) : 2.0  
Sampling condition : Isokinetic  
Protocol used : IS 11255 & EPA

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
Discipline : Chemical					
1	Particulate Matter (as PM)	IS 11255 (P-1)	0.042	g/kw-hr	<0.3
2	Oxide of Nitrogen (as NOx)	VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21	0.86	g/kw-hr	<4.7**
3	Total Hydrocarbon (as HC)	VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21	0.36	g/kw-hr	**
4	Sulphur Dioxide (as SO2)	IS 11255 (P-2)	0.096	g/kw-hr	Not Specified
5	Carbon Monoxide (as CO)	VEL/ENV/STP/ST/FGA/01, Issue No.-01,01/11/21	0.42	g/kw-hr	<3.5

\*\*\*End of Report\*\*\*

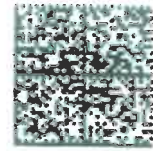
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### Test Report

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**Sample Number :** VEL/AP/03  
**Name & Address of the Party :** M/s Emaar India Community  
Jaipur Green SEZ Road Laliya Ka Bass Jaipur  
Rajasthan

**Report No. :** VELIAP/2311200027  
**Format No :** 7.8 F-03  
**Party Reference No :** Nil  
**Reporting Date :** 24/11/2023  
**Period of Analysis :** 20/11/2023-24/11/2023  
**Receipt Date :** 20/11/2023

**Name of Sample :** DG Noise  
**Sample Group :** Atmospheric Pollution

#### General Information

**Sampling Location :** DG Set (25 KVA)  
**Sample Collected By :** VEL Representative (Mr. Rajendra Yadav)  
**Sampling Equipment used :** Sound Level Meter  
**Instrument Code :** VEL/SLM02  
**Instrument Calibration Status :** Calibrated  
**Meteorological condition during monitoring :** Clear Sky  
**Date of Monitoring :** 17/11/2023  
**Scope of Monitoring :** Regulatory Requirement  
**Sampling & Analysis Protocol :** IS 4758  
**Sampling duration (Minutes) :** 30.0 Min  
**Parameter Required :** As per work order

S.No.	Parameters	Test Method	Open the canopy of DG Set Results dB(A)	Close the canopy of DG Set (1.0 mtr. Distance) Result dB(A)	Insertion Loss
<b>Discipline : Chemical</b>					
1	Leq	IS: 4758	96.9	71.2	25.7
2	CPCB Limit in Leq dB (A)	--	--	75.0 (Max.)	25.0 (Min.)

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### Test Report

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Sample Number : VEL/AP/01  
Name & Address of the Party : M/s Emaar India Community  
Jaipur Green SEZ Road Laliya Ka Bass Jaipur  
Rajasthan

Report No. : VEL/AP/2311200025  
Format No : 7.8 F-03  
Party Reference No : Nil  
Reporting Date : 24/11/2023  
Period of Analysis : 20/11/2023-24/11/2023  
Receipt Date : 20/11/2023

Name of Sample : AMBIENT AIR  
Sample Group : Atmospheric Pollution

**General Information**  
Sampling Location : Near Main Gate  
Sample Collected By : VEL Representative (Mr. Rajendra Yadav)  
Sampling Equipment used : Combo Sampler  
Instrument Code : VEL/RDS/FPS/42  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 17/11/2023 To 18/11/2023  
Time of Monitoring : 12:30 PM to 12:30 PM  
Ambient Temperature (°C) : Min.18°C, Max.28°C  
Surrounding Activity : Human & Vehicular Activities  
Scope of Monitoring : Regulatory Requirement  
Sampling & Analysis Protocol : IS : 5182  
Sampling Duration : 24.0 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
<b>Discipline : Chemical</b>					
1	Particulate Matter (as PM -10)	IS:5182 (P-23)	156.82	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM - 2.5)	IS:5182 (P- 24)	76.74	µg/m <sup>3</sup>	60
3	Nitrogen Dioxides (as NO2)	IS 5182 (P- 6)	28.32	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2 )	10.16	µg/m <sup>3</sup>	80
5	#Carbon Monoxide (as CO)	IS 5182 (P-10), NDIR Method	.88	mg/m <sup>3</sup>	4.0
6	Lead (as Pb)	IS:5182 (P-22)	BLQ(LOQ - 0.1)	µg/m <sup>3</sup>	1.0

BLQ-Below Limit of Quantification. LOQ-Limit of Quantification

Note: # indicates 1 hour monitoring of Co.

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### Test Report

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Sample Number : VEL/AP/02

Name & Address of the Party : M/s Emaar India Community  
Jaipur Green SEZ Road Laliya Ka Bass Jaipur  
Rajasthan

Report No. : VEL/AP/2311200026

Format No : 7.8 F-03

Party Reference No : Nil

Reporting Date : 24/11/2023

Period of Analysis : 20/11/2023-24/11/2023

Receipt Date : 20/11/2023

Name of Sample : AMBIENT NOISE

Sample Group : Atmospheric Pollution

#### General Information

Sampling Location : Near Main Gate  
 Sample Collected By : VEL Representative (Mr. Rajendra Yadav)  
 Sampling Equipment used : Sound Level Meter  
 Instrument Code : VEL/SLM/03  
 Instrument Calibration Status : Calibrated  
 Meteorological condition during monitoring : Clear Sky  
 Date of Monitoring : 17/11/2023 To 18/11/2023  
 Time of Monitoring : 06:00 AM to 06:00 AM  
 Ambient Temperature (°C) : Min.18°C, Max.28°C  
 Surrounding Activity : Human & Vehicular Activities  
 Scope of Monitoring : Regulatory Requirement  
 Sampling & Analysis Protocol : CPCB  
 Sampling Duration : 24.0 Hrs.  
 Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
Discipline : Chemical					
1	Leq	IS-9989	52.82	41.76	dB (A)

#### Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

Day time shall mean from 6.00 a.m. to 10.00 p.m., Night time shall mean from 10.00 p.m. to 6.00 a.m., Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority, Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

\*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale 'A' which is reliable to human hearing

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