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 Group Housing 'Palm Terrace Select' 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/2012/80 dated 11.07.2012 and letter No. 4-1050/2012-RO (NZ)/3759 dated 30.09.2013.

Dear Sir

With regards to the above mentioned subject and reference, we are hereby submitting soft copy of six-monthly Compliance Report for the Group Housing project 'Palm Terrace Select' for **December 2020**.

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 Group Housing Project "Palm Terrace Select" at Village Badshahpur, Sector-66, Gurgaon, Haryana

Environmental Clearance No. : No. SEIAA/HR/2012/80 dated 11.07.2012.

Part A: Specific Conditions

I. Construction Phase : The project has obtained Occupation Certificate for the complete project on 8.08.2019, hence construction phase is not applicable

S.No.	Specific Condition	Status
i	"Consent for Establishment" shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana before the start of any construction work at site.	Consent to Establish for the project has been obtained. Renewed Consent to Establish has also been obtained.
i	A First Aid Room as proposed in project report will be provided both during construction and operation of the project.	First Aid facility was available at project site office.
iii	Adequate drinking water & sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. Open defecation by labours is strictly prohibited. The safe disposal of wastewater & solid wastes generated during construction phase should be ensured.	Potable water and sanitary facilities was being maintained at project site.
iv	All the top soil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	Soil excavated during construction phase has been used in landscaping and leveling of sector road connecting project.
v	Disposal of muck during construction phase should not create any adverse effect on neighboring communities & should be disposed-off taking necessary precautions for general safety & health aspects of people, only in approved sites with the approval of competent authority.	Building material required during construction was stored at designated place. All the necessary action has been taken while disposing construction waste to prevent any adverse effect.
vi	Construction spoils including bituminous material & other hazardous materials must not be allowed to contaminate watercourse & dump sites for such material must be secured so that they should not leach into groundwater, and any hazardous waste generated during construction phase should be disposed off as per applicable rules &	Waste oil from DG sets was only hazardous waste generated during construction phase & was stored in earmarked area. Hence there is no contamination of water course and no leaching into groundwater. Latest Soil & water analysis reports are enclosed as **Annexure 1** & **Annexure 2**, respectively.

S.No.	Specific Condition	Status
	norms with necessary approval of the HSPCB.	
vii	The diesel generator sets to be used during construction phase should be of low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air & noise emission standards.	Diesel power generating set are acoustic enclosed type and conforms to rules made under Environment (Protection) Act prescribed for air and noise emission standards. DG sets are being used only during the power failure. Latest stack emission and noise report is enclosed as **Annexure 3 & Annexure 4** respectively.
viii	The diesel required for operating DG Sets shall be stored in underground tanks & if required, clearance from Chief Controller of Explosives shall be taken.	At present diesel was purchased on daily basis and was stored in 200 lit barrel at designated area.
ix	Ambient noise levels should conform to residential standards both during day & night. Incremental pollution loads on ambient air and noise quality should be closely monitored during construction phase. Adequate measure should be taken to reduce ambient air & noise level during construction phase, so as to conform to stipulated residential standards.	Ambient air and noise level monitoring is carried out regularly at project site. Copy of reports is attached as **Annexure 5** & **Annexure 6,** respectively. Regular water sprinkling & construction vehicle with top cover used for dust suppression and nose mask provided as per nature of work to workers to prevent dust inhalation at the project site.
x	Fly ash should be used as building material in construction as per the provisions of Fly Ash Notification of September 1999 & amended as on 27.08.2003.	Fly ash based construction material was being used for construction purpose.
xi	Ready mixed concrete must be used in building construction.	Ready mix concrete was being used.
xii	Storm water control and its reuse as per CGWB and BIS standards for various applications should be ensured.	Storm water was channelized through storm drainage system and will be reused and controlled as per CGWB norms.
xiii	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents & other best practices as referred.	Best practices was adopted to reduce construction water demand.
xiv	In view of the severe constrains in water supply augmentation in the region and sustainability of water resources, the developer will submit the NOC from CGWA specifying water extraction quantities and assurance from HUDA/utility provides indicating source of water supply and quantity of water with details of intended use of water - potable and non-potable. Assurance is required for both construction and operation stages separately. It shall be submitted to the SEIAA and RO MoEF, Chandigarh before the start of construction.	Potable and non-potable water for the project was being taken from the sources specified by HUDA.
xv	Roof should meet prescriptive requirement as	Energy conservation measures are being

S.No.	Specific Condition	Status
	per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	adopted as per Energy Conservation Building Code.
xvi	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is desirable for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	Agreed and same is being adhered.
xvii	The approval of competent authority shall be obtained for structural safety of the building on account of earthquake, adequacy of fire fighting equipments etc. as per National Building Code including protection measures from lightening etc. If any forest land is involved in proposed site, clearance under Forest Conservation Act shall be obtained from the Competent Authority.	Necessary approvals have been obtained for structure safety of the building and same has been submitted to the Department of Town and Country Planning Chandigarh during approval of building plans. No forest land is involved in the proposed project. Copy of DC NOC for Aravalli & Forest has been submitted with previous compliance report.
xviii	Overexploited groundwater and impending severe shortage of water supply in the region requires the developer to redraw the water and energy conservation plan. Developer shall reduce the overall footprint of the project development. Project proponent shall incorporate water efficiency/savings measures as well as water reuse/recycling within 3 months and before start of construction to the SEIAA, Haryana and RO, MoEF, GOI, Chandigarh.	For construction purposes treated wastewater from designated location by HUDA was being utilized. Water efficient fixtures is being used in plumbing works as saving measures during operational phase, details of the same was submitted to SEIAA during project appraisal.
xix	The PP shall construct 07 nos. rainwater harvesting pits for recharging the groundwater within the project premises.	There are 7 nos. of rain water harvesting pits for recharging for which NOC has already been submitted.
xx	The project proponent shall provide minimum one hydraulic ladder for escape of people in case of fire.	Agreed and same will be adhered.
xxi	The Project Proponent shall submit assurance from the DHBVN for supply of 2271 KVA of power supply before the start of construction. In no case project will be operational solely on generators without any power supply from any external power utility.	Agreed and same will be adhered.
xxii	The Project Proponent shall obtain NOC from nearest fire station before the start of construction.	Fire NOC has already been submitted with previous compliance report.
xxiii	The project proponent shall obtain NOC from Airport Authority of India regarding height clearance before the start of construction.	NOC from Airport Authority of India obtained and already submitted.

S.No.	Specific Condition	Status

II. Operation Phase

S.No.	Specific Condition	Status
i	The Sewage Treatment Plant (STP) shall be installed for treatment of sewage to the prescribed standards including odour & treated effluent shall be recycled. The installation of STP should be certified by an independent expert and a report in this regard should be submitted to the SEIAA, Haryana before the project is commissioned for operation. Discharge of treated sewage shall conform to the norms and standards of HSPCB, Panchkula.	Consent to Operate has been and already submitted. Latest copy of CTO is enclosed as **Annexure 7**
ii	Separation of grey & black water should be done by use of dual plumbing line. Treatment of 100% gray water by decentralized treatment should be done ensuring that the re-circulated water should have BOD maximum upto 10 ppm and the recycled water will be used for flushing, gardening & DG set cooling and running of fountain in the water body to achieve zero exit discharge.	Dual plumbing will be done for the separation of grey and black water during operation phase. Building is designed as per the latest norms.
iii	For disinfections of treated waste water ultra-violet radiation or ozonization process should be used.	Ultraviolet radiation is used for disinfection.
iv	The solid waste generated should be properly collected & segregated. Bio-degradable waste should be decomposed at site and dry/inert solid waste should be disposed off to approved sites for land filling after recovering recyclable material.	Organic Waste Converter (OWC) will be installed at site once occupancy increases for treatment of biodegradable waste as per provision of MSW Rules, 2016
v	Diesel power generating sets proposed as source of back-up power for lifts, common area illumination & for domestic use should be of enclosed type & conform to rules made under Environment (Protection) Act 1986. The location of DG Sets should be in the basement as promised by the project proponent with appropriate stack height i.e. above the roof level as per the CPCB norms. The diesel used for DG sets should be of low sulphur content (maximum upto 0.25%).	The same has been ensured.
vi	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 residential complex.	Ambient noise monitoring report has been enclosed as **Annexure 6**
vii	The project proponent should maintain at least 25.8% as green cover area for tree plantation especially all around periphery of	The project has more than 25.8% green cover.

S.No.	Specific Condition	Status
	the project & on the road sides preferably with local species so as to provide protection against particulates and noise. The 24% open spaces inside the project should be preferably landscaped & covered with vegetation/grass, herbs & shrubs.	
viii	Weep holes in the compound front walls shall be provided to ensure natural drainage of rain water in the catchments area during the monsoon period.	This has been provided wherever required.
ix	Rainwater harvesting for roof run-off and surface run-off, as per plan submitted should be implemented. Before recharging surface run-off, pre-treatment through sedimentation tanks must be done to remove suspended matter, oil & grease. The bore well for rainwater recharging should be kept at least 5 mts. above the highest ground water table.	Rainwater harvesting for roof run-off and surface run-off has been implemented at site. The RWH pit design has already been submitted.
x	The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.	Agreed. Ground water quality is being monitored regularly by the NABL Accredited Laboratory. Latest laboratory report is attached as **Annexure-2.**
xi	There should be no traffic congestion near entry & exit points from the roads adjoining the proposed project site. Parking should be fully internalized and no public space should be utilized.	Agreed and same will be adhered.
xii	A report on energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & U Factors etc and submit to SEIAA, Haryana in three months time.	Energy conservation norms have been incorporated. Building materials R & U factors have already been submitted to SEIAA.
xiii	Energy conservation measures like installation of CFLs/TFLs for lighting the areas outside the building should be integral part of project design & should be in place before project commissioning. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels must be adapted to the maximum extent possible for energy conservation.	The same is being adhered. LED and CFL is used and agreement will be done with authorized vendor for disposal of e-waste.
xiv	The solid waste generated should be properly collected and segregated as per the requirement of the MSW Rules, 2000 and as	Organic Waste Converter (OWC) will be installed at site once occupancy increases for treatment of biodegradable waste as per provision of MSW Rules, 2016

S.No.	Specific Condition	Status
	amended from time to time. The bio-degradable waste should be composted by vermi-composting at the site ear marked within the project area and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.	
xv	The provision of Solar water heating system shall be as per norms specified by HAREDA and shall be made operational in each building block.	The same will be adhered.
xvi	The project proponent shall use the water from the already existing tube wells for domestic purposes only after getting permission from CGWA during operational phase.	Not applicable to the project.
xvii	The traffic plan & parking plan proposed by the PP should be adhered to meticulously with further scope of additional parking for future requirement. There should be no traffic congestion near the entry & exit points from the roads adjoining the proposed project site. Parking should be fully internalized & no public space should be used.	The same is being adhered.
xviii	The project shall be operationalized only once HUDA will provide domestic water supply system in the area.	HUDA water supply is present at site.

Part B: General Conditions

S.No.	General Condition	Status
i	The Project Proponent shall ensure the commitments made in Form-1, Form-1A, EIA/EMP and other documents submitted to the SEIAA for the protection of environment and proposed environmental safeguards are complied with.	Noted
ii	Six monthly compliance reports should be submitted to HSPCB and Regional Office, MoEF, GOI Northern Region, Chandigarh and a copy to the SEIAA Panchkula, Haryana.	Six monthly report is being regularly submitted to Regional Office, MoEF, and copy to HSPCB, and SEIAA Haryana.
iii	The SEIAA Haryana reserves the right to add additional safeguard measures subsequently, if found necessary. Environmental Clearance granted will be revoked if it is found that false information has been given for getting approval of this project.	Noted
iv	Under the provisions of Environment	Noted

S.No.	General Condition	Status
	(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.	
v	The PP shall start construction only after getting NOC from the Forest Department that the area under consideration does not fall under section - 4 and 5 of PLPA-1900/ Aravalli notifications.	Forest and Aravalli NOC obtained. Copy already submitted with previous compliance report.
vi	All other statutory clearances such as approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972, Forest Act, 1927, etc. shall be obtained, as applicable by project proponents from the respective authorities prior to construction of the project.	Permission from Airport Authority, NOC through DC and Consent to Establish NOC from HSPCB have been obtained.
vii	The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana.	Copy of public notice published in newspaper already submitted
viii	Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.

Vardan EnviroLab

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

Test Report

Sample Number:	VEL/PTS /S/01	**Report No.:**	VEL/S/2011/24/002
Name & Address of Party:	M/s Palm Terrace Select Village-Badshahpur Sector-66, Gurgaon(H.R.)	**Format No.:**	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	27/11/2020
		Period of Analysis:	24/11/2020 - 27/11/2020
Sample Description:	Soil Sample	**Receipt Date :**	24/11/2020
Sampling Location:	Project Site (Garden Area)	**Sampling Date:**	23/11/2020
Packing Status:	Temp Sealed	**Type of Sampling:**	Composite
Sampling & Analysis Protocol:	IS 2720 & USDA	**Sampling Quantity:**	2.0 Kg

S. No.	Parameter	Test-Method	Result	Unit
1.	pH (at 25 °C)	IS : 2720 (P-26) by pH Meter	7.54	--
2.	Conductivity	IS:14767 by Conductivity meter	0.482	mS/cm
3.	Color	*SOP . SP-78.Issue No.-01& Issue Date-14/02/2013	Yellowish Brown	--
4.	Water holding capacity	*SOP . SP-81.Issue No.-01& Issue Date-14/02/2013	36.32	%
5.	Bulk density	*SOP . SP-80.Issue No.-01& Issue Date-14/02/2013	1.84	gm/cc
6.	Chloride as Cl	*SOP . SP-85.Issue No.-01& Issue Date-14/02/2013	63.42	mg/100g
7.	Calcium as Ca	*SOP . SP-82.Issue No.-01& Issue Date-14/02/2013	87.64	mg/100g
8.	Sodium as Na	*SOP . SP-84.Issue No.-01& Issue Date-14/02/2013	48.96	mg/kg
9.	Potassium as K	*SOP . SP-84.Issue No.-01& Issue Date-14/02/2013	35.83	kg/hec.
10.	Organic Matter	IS:2720 (P-22) Titrimetric Method	0.86	%
11.	Magnesium as Mg	*SOP . SP-83.Issue No.-01& Issue Date-14/02/2013	27.92	mg/100g
12.	Available Nitrogen as N	IS:14684 Distillation Method	274.82	kg./hec.
13.	Available Phosphorus	*SOP . SP-86.Issue No.-01& Issue Date-14/02/2013	18.73	kg./hec.
14.	Zinc (as Zn)	USEPA 3050B	22.63	mg/kg
15.	Manganese (as Mn)	USEPA 3050B	4.62	mg/kg
16.	Lead (as Pb)	USEPA 3050B	1.82	mg/kg
17.	Cadmium (as Cd)	USEPA 3050B	0.86	mg/kg
18.	Chromium (as Cr)	USEPA 3050B	1.74	mg/kg
19.	Copper (as Cu)	USEPA 3050B	3.51	mg/kg
20.	Soil Texture	IS : 2720 (P-22. RA2003)	Silty Loam	--

* SOP Laboratory standard oprating procedure

(Tested By) KOMAL SINGH, ANALYST

(Checked By) SUBODH SHEKHAWAT, DY. TECHNICAL MANAGER

(Approved By)

VARDAN ENVIRO LAB Authorized Signatory

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

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Branch Off: Plot No. 24 & 25, Narayan Vihar, Block-B, Jaipur - 302035 (Rajasthan)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/PTS/W/01	**Report No.:**	VEL/W/2011/24/002
Name & Address of Project:	M/s Palm Terrace Select Village-Badshahpur Sector-66, Gurgaon(H.R.)	**Format No.:**	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	27/11/2020
		Period of Analysis:	24/11/2020 to 27/11/2020
		Receipt Date:	24/11/2020
Sample Description:	Drinking Water Sample	**Sampling Date:**	23/11/2020
Sampling Location:	Project Site	**Type of Sampling:**	Grab
Sample Collected by	Vardan Enviro Lab Team	**Sampling Quantity:**	2.0 Ltr.
Sampling & Analysis Protocol:	IS & APHA	**Preservation:**	Refrigerated

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source
1.	pH (at 25 °C)	APHA .4500-H+ B Electrometric Method	7.28	--	6.5 to 8.5	No Relaxation
2.	Colour	APHA .2120 B. Visual Comparison Method	*BDL (**DL 5Hazen)	Hazen	5	15
3.	Turbidity	APHA. 2130 B. Nephlelometric Method	*BDL (**DL 0. 1 NTU)	NTU	1	5
4.	Odour	APHA. 2150 B . Threshold Test Method	Agreeable	--	Agreeable	Agreeable
5.	Taste	APHA . 2160 B. Threshold Test Method	Agreeable	--	Agreeable	Agreeable
6.	Total Hardness as $CaCO_3$	APHA . 2340 C. EDTA Titrimetric Method	73.51	mg/l	200	600
7.	Calcium as Ca	APHA. 3500 Ca B. EDTA Titrimetric Method	24.62	mg/l	75	200
8.	Alkalinity as $CaCO_3$	APHA . 2320 B. Titrimetric Method	58.34	mg/l	200	600
9.	Chloride as Cl	APHA. 4500-Cl- B. Argentometric Method	31.42	mg/l	250	1000
10.	#Cyanide as CN	APHA . 4500 CN- D	*BDL(**DL 0.02 mg/l)	mg/l	0.05	No Relaxation
11.	Magnesium as Mg	APHA . 3500 Mg B. Calculation Method	2.93	mg/l	30	100
12.	Total Dissolved Solids	APHA . 2540 C. Gravimetric Method	149.00	mg/l	500	2000
13.	Sulphate as SO_4	APHA . 4500 E. Turbidimetric Method	3.71	mg/l	200	400
14.	Fluoride as F	APHA . 4500-F- D. SPADNS Method	0.36	mg/l	1.0	1.5
15.	Nitrate as NO_3	IS 3025 (P-34) .Chromotropic Method	1.23	mg/l	45	No Relaxation
16.	Iron as Fe	APHA . 3500-Fe B 1.10 Phenanthroline Method	0.27	mg/l	0.3	No relaxation
17.	Aluminium as Al	APHA . 3111 B	*BDL(**DL 0.02 mg/l)	mg/l	0.03	0.2
18.	Boron	APHA. 4500B C. Carmine Method	*BDL(**DL 0.01 mg/l)	mg/l	0.5	1
19.	Total Chromium as Cr	APHA . 3111 B. Direct Air. Acetylene Flame Method	*BDL(**DL 0.03 mg/l)	mg/l	0.05	No Relaxation

(Tested By)
KOMAL SINGH
ANALYST

(Checked By)
SUBODH SHEKHAWAT
DY. TECHNICAL MANAGER

(Approved By)
(GM)

VARDAN ENVIRO LAB ★ Authorized Signatory ★

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ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample No.: VEL/PTS/W/01 — **Report No: VEL/W/2011/24/002**

S. No	Parameter	Test-Method	Result	Unit	Limits of IS:10500-2012	
					Requirement (Acceptable) Limit	Permissible limit in the Absence of Alternate Source
20.	Phenolic Compounds	APHA, 5530 C Chloroform Extraction Method	*BDL(**DL 0.001 mg/l)	mg/l	0.001	0.002
21.	#Mineral Oil	Clause 6 of IS:3025(Part 39)	*BDL(**DL 0.01mg/l)	mg/l	0.5	No Relaxation
22.	#Anionic Detergents as MBAS	APHA, 5540 C MBAS Method	*BDL(**DL 0.02 mg/l)	mg/l	0.2	1.0
23.	Zinc as Zn	APHA . 3111 B. Direct Air. Acetylene Flame Method	*BDL	mg/l	5	15
24.	Copper as Cu	APHA . 3111 B. Direct Air. Acetylene Flame Method	*BDL	mg/l	0.05	1.5
25.	Manganese as Mn	APHA . 3111 B. Direct Air. Acetylene Flame Method	*BDL(**DL 0.06 mg/l)	mg/l	0.1	0.3
26.	Cadmium as Cd	APHA . 3111 B. Direct Air. Acetylene Flame Method	*BDL(**DL 0.003 mg/l)	mg/l	0.003	No Relaxation
27.	Lead as Pb	APHA . 3111 B. Direct Air. Acetylene Flame Method	*BDL(**DL 0.01 mg/l)	mg/l	0.01	No Relaxation
28.	Selenium as Se	APHA . 3114 B. Manual Hydride Generation	*BDL(**DL 0.01 mg/l)	mg/l	0.01	No Relaxation
29.	Arsenic as As	APHA . 3114 B. Manual Hydride Generation	*BDL(**DL 0.01 mg/l)	mg/l	0.01	0.05
30.	Mercury as Hg	APHA . 3111 B. Direct Air. Acetylene Flame Method	*BDL (**DL 0.001 mg/l)	mg/l	0.001	No Relaxation
31.	Total Coliform	IS 15185:2002 (RA- 2016)	Absent	/100ml	Shall not be detectable in any 100 ml sample	
32.	E. Coli	IS 15185:2002 (RA- 2016)	Absent	/100ml	Shall not be detectable in any 100 ml sample	

Note: - *BDL-Below Detection Limit. **DL- Detection Limit
#These parameter are not covered in our NABL scope.

(Tested By) KOMAL SINGH ANALYST

(Checked By) SUBODH SHEKHAWAT DY. TECHNICAL MANAGER

(Approved By) Gaurav Chauhan (GM)

VARDAN ENVIRO LAB Authorized Signatory

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/PTS/ST/01	Report No.:	VEL/ST/2009/11/005
Name & address of the Project:	M/s Palm Terrace Select Village-Badshahpur Sector-66, Gurgaon(H.R.)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	15/09/2020
		Period of Analysis:	11/09/2020 to 15/09/2020
		Receipt Date:	11/09/2020

Sample Description : Stack Emission Monitoring

General Information		
Sampling Location	:	DG Set Area
Sample Collected by	:	Vardan EnviroLab Representative
Date of Sampling	:	10/09/2020
Sampling Duration (Minutes)	:	32
Stack attached to	:	DG Set (1010 KVA)
Make of stack	:	Metal
Diameter of stack (m)	:	0.203 Mtr
Height of stack (m)	:	55.0 Mtr
Instruments calibration status	:	Calibrated
Meteorological Condition	:	Clear Sky
Ambient Temperature – Ta (°C)	:	31.0
Temperature of stack Gases – Ts (°C)	:	234.0
Velocity of stack Gases (m/sec.)	:	9.73
Flow rate of PM (LPM)	:	25.0
Flow rate of Gas (LPM)	:	2.0
Sampling condition	:	Isokinetic
Protocol used	:	IS :11255 & EPA

RESULTS

S.No.	Parameters	Test Method	Results	Units	Limits as per CPCB
1.	PM (at 15 % O_2 Correction)	IS:11255 (P-1), Gravimetric Method, RA:2003	59.7	mg/Nm^3	75.00
2.	Sulphur Dioxide (as SO2)	IS:11255 (P-2), Titrimetric Method, RA:2003	26.00	mg/Nm^3	Not Specified
3.	NOX (at 15 % O_2 Correction)	IS:11255 (P-7), Colorimetric Method, RA:2012	169.30	ppmv	710.0
4.	Carbon Monoxide (as CO) (at 15 % O_2 Correction)	SOP, SP-74, Issue No.01: 2018	74.82	mg/Nm^3	150.0
5.	NMHC (at 15 %O_2 Correction)	IS:5182 (P-21), Based on GC, RA:2012	16.82	mg/Nm^3	100.0

(Tested By) KOMAL SINGH ANALYST

(Checked By) SUBODH SHEKHAWAT DY. TECHNICAL MANAGER

(Approved By) Gaurav Chauhan (GM)

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/PTS/ST/02	Report No.:	VEL/ST/2009/11/006
Name & address of the Project:	M/s Palm Terrace Select Village-Badshahpur Sector-66, Gurgaon(H.R.)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	15/09/2020
		Period of Analysis:	11/09/2020 to 15/09/2020
		Receipt Date:	11/09/2020

Sample Description : Stack Emission Monitoring

General Information		
Sampling Location	:	DG Set Area
Sample Collected by	:	Vardan EnviroLab Representative
Date of Sampling	:	10/09/2020
Sampling Duration (Minutes)	:	32
Stack attached to	:	DG Set (1250 KVA)
Make of stack	:	Metal
Diameter of stack (m)	:	0.203 Mtr
Height of stack (m)	:	55.0 Mtr
Instruments calibration status	:	Calibrated
Meteorological Condition	:	Clear Sky
Ambient Temperature – Ta (°C)	:	31.0
Temperature of stack Gases – Ts (°C)	:	229.0
Velocity of stack Gases (m/sec.)	:	8.68
Flow rate of PM (LPM)	:	24.0
Flow rate of Gas (LPM)	:	2.0
Sampling condition	:	Isokinetic
Protocol used	:	IS :11255 & EPA

RESULTS

S.No.	Parameters	Test Method	Results	Units	Limits as per CPCB
1.	PM (at 15 % O_2 Correction)	IS:11255 (P-1), Gravimetric Method, RA:2003	48.62	mg/Nm^3	75.00
2.	Sulphur Dioxide (as SO2)	IS:11255 (P-2), Titrimetric Method, RA:2003	23.81	mg/Nm^3	Not Specified
3.	NOX (at 15 % O_2 Correction)	IS:11255 (P-7), Colorimetric Method, RA:2012	208.52	ppmv	710.0
4.	Carbon Monoxide (as O_2) (at 15 % O_2 Correction)	SOP, SP-74, Issue No.01: 2018	81.32	mg/Nm^3	150.0
5.	NMHC (at 15 %O_2 Correction)	IS:5182 (P-21), Based on GC, RA:2012	19.62	mg/Nm^3	100.0

(Tested By) KOMAL SINGH

(Checked By) SUBODH SHEKHAWAT
DY. TECHNICAL MANAGER

(Approved By) (GM)

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Branch Off: Plot No. 24 & 25, Narayan Vihar, Block-B, Jaipur - 302035 (Rajasthan)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/PTS/ST/03	**Report No.:**	VEL/ST/2009/11/007
Name & Address of Party:	M/s Palm Terrace Select Village-Badshahpur Sector-66, Gurgaon(H.R.)	**Format No.:**	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	15/09/2020
		Period of Analysis:	11/09/2020 to 15/09/2020
		Receipt Date:	11/09/2020

Sample Description : Stack Emission Monitoring

Sample Collected	:	Vardan EnviroLab Representative
Date of Sampling	:	10/09/2020
Sampling Location	:	D.G. Set Area
Sampling duration (Minutes)	:	30.0
Stack attached to	:	D.G. Set (750 KVA)
Make of stack	:	M S
Diameter of stack	:	0.203 Mtr
Height of stack	:	55.0 Mtr
Meteorological Condition	:	Clear Sky
Instrument calibration status	:	Calibrated
Ambient Temperature -Ta (^{0}C)	:	32.0
Temperature of Stack Gases - Ts (^{0}C)	:	158.0
Velocity of Stack Gases (m/sec.)	:	8.76
Flow rate of PM (LPM)	:	24.0
Flow rate of Gas (LPM)	:	2.00
Sampling condition	:	Isokinetic
Protocol used	:	IS :11255 & EPA

RESULTS

S. No.	Parameter	Protocol	Result	Unit	Limits (As Per CPCB)
1.	Particulate Matter (PM)	IS 11255 (P-1) Gravimetric Method	0.138	gm/Kw-hr	≤0.2
2.	Oxide of Nitrogen (as NOX)	IS 11255 (P-7) Colorimetric Method	1.73	gm/Kw-hr	≤4.0
3.	Total Hydrocarbon as Methane	SOP.SP-194.Issued No.01:2018	0.89	gm/Kw-hr	
4.	Sulphur Dioxide(as SO2)	IS:11255 (P-2), Titrimetric Method, RA:2003	0.37	gm/Kw-hr	Not Specified
5.	Carbon Monoxide (as CO)	*SOP No. VEL/SOP/01, Section No. SP 74	1.41	gm/Kw-hr	≤3.5

*SOP-Laboratory Standard operating procedure.

(Tested By)
KOMAL SINGH
ANALYST

(Checked By)
SL BODH SHEKHAWAT
DY. TECHNICAL MANAGER

(Approved By)
Gaurav Chauhan
(GM)
VARDAN ENVIRO LAB
Authorized Signatory

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Branch Off: Plot No. 24 & 25, Narayan Vihar, Block-B, Jaipur - 302035 (Rajasthan)
ISO 9001 | ISO 14001 | ISO 45001

ANNEXURE 4

Test Report

Sample Number:	**VEL/PTS/PN/01**	**Report No.:**	**VEL/PN/2009/11/002**
Name & Address of Party:	**M/s Palm Terrace Select Village-Badshahpur Sector-66, Gurgaon(H.R.)**	**Format No.:**	**7.8 F-01**
		Party Reference No.:	**NIL**
		Reporting Date:	**15/09/2020**
		Period of Analysis:	**11/09/2020 to 15/09/2020**
		Receipt Date:	**11/09/2020**

Sample Description: **DG NOISE MONITORING**

General Information:-

Sample collected by	:	Vardan Enviro Lab Representative
Sampling Location	:	DG Set Room (1Nos-1010 KVA, 1Nos-1250 KVA & 1Nos-750 KVA)
Instrument Used	:	Sound Level Meter
Instrument Code	:	VEL/SLM/04
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Clear Sky
Date of Monitoring	:	10/09/2020
Scope of Monitoring	:	Regulatory Requirement
Control measure if Any	:	No any
Sampling & Analysis Protocol	:	IS 9989
Sampling Duration	:	30 Min.
Parameter Required	:	As per Work Order

S. No.	Parameters	Test Method	Result dB(A)		
			Inside DG Room Result dB(A)	Outside of DG Room (0.5 Meter Distance) Result dB(A)	Insertion Loss
1.	L_{eq}	CPCB Guideline & Indian Standard:9989	94.5	68.3	26.2
2.	CPCB Limits in dB (*A)	-	--	75.00	25.00

Note :- All DG Set Installed in one Room.

(Tested By) (Checked By) (Approved By)

VARDAN ENVIRO LAB Authorized Signatory

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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/PTS/A/01	**Report No.:**	VEL/A/2011/24/002
Name & Address of the Project:	M/s Palm Terrace Select Village-Badshahpur Sector-66, Gurgaon(H.R.)	**Format No.:**	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	27/11/2020
		Period of Analysis:	24/11/2020 to 27/11/2020
		Receipt Date:	24/11/2020

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location	: Main Gate
Sample collected by	: Vardan Enviro Lab Representative
Sampling Equipment used	: RDS & FPS
Instrument Code	: VEL/RDS/01 FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 23/11/2020 to 24/11/2020
Time of Monitoring	: 09:10 AM to 09:10 AM
Ambient Temperature (°C)	: Min. 16.0°C . Max. 24.0°C
Surrounding Activity	: Human & Vehicular Activities
Scope of Monitoring	: Regulatory Requirement
Sampling & Analysis Protocol	: IS : 5182
Sampling Duration	: 24 Hrs.
Parameter Required	: As per work order

S.No	Parameters	Test Method	Results	Units	Limit as per CPCB
1.	Particulate Matter (as PM - 10)	IS:5182 (P-23), Gravimetric Method, RA:2006	148.31	$\mu g/m^3$	100
2.	Particulate Matter (as PM – 2.5)	SOP No. VEL/SOP/01, Section No. SP 63:2013	98.72	$\mu g/m^3$	60
3.	Nitrogen Dioxide (as NO_2)	IS: 5182 (P-6), Jacob & Hochheiser, RA:2006	26.31	$\mu g/m^3$	80
4.	Sulphur Dioxide (as SO_2)	IS: 5182 (P-2), Modified West and Gaeke, RA:2012	21.63	$\mu g/m^3$	80
5.	Carbon Monoxide (as CO)	IS: 5182 (P-10), Gas Chromatography, RA:2003	0.74	$\mu g/m^3$	4.0
6.	Lead (as Pb)	IS:5182 (P-22), Air Acetylene Method, RA:2009	*BDL(**DL0.05 $\mu g/m^3$)	$\mu g/m^3$	1.0

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

KOMAL SINGH
(Tested By)
ANALYST

(Checked By)
SUBODH SHEKHAWAT
DY. TECHNICAL MANAGER

(Approved By)

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ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/PTS/AN/01	**Report No.:**	VEL/AN/2011/24/002
Name & Address of Party:	M/s Palm Terrace Select Village-Badshahpur Sector-66, Gurgaon(H.R.)	**Format No.:**	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	27/11/2020
		Period of Analysis:	24/11/2020 to 27/11/2020
Sample Description :	AMBIENT NOISE LEVEL MONITORING	**Receipt Date:**	24/11/2020

General Information:-

Sample collected by	: Vardan Enviro Lab Representative
Sampling Location	: Near Main Gate
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/SLM/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 23/11/2020 to 24/11/2020
Time of Monitoring	: 06:00 AM to 06:00 AM
Ambient Temperature (°C)	: Min. 16°C, Max. 24°C
Surrounding Activity	: Human & Vehicular Activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: No any
Sampling & Analysis Protocol	: CPCB Guidelines & IS-9989
Sampling Duration	: 24 Hours
Parameter Required	: As per Client Requirement

S. No.	Parameters	Test Method	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	L_{max}	IS -9989	69.5	63.73	dB(A)
2.	L_{min}	IS- 9989	47.6	38.61	dB(A)
3.	L_{eq}	IS -9989	50.89	41.93	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.

KOMAL SINGH
(Tested By)
ANALYST

(Checked By)
BODH SHEKHAWAT
DY. TECHNICAL MANAGER

VARDAN ENVIRO LAB
Gaurav Chauhan
(Approved By)

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ANNEXURE 7

HARYANA STATE POLLUTION CONTROL BOARD
Gurgoan North Vikas Sada, 1st Floor,
Near DC Court, Gurgaon Ph.0124-2332775
E-mail: hspcb.pkl@sify.com

No. HSPCB/Consent/ : 329962319GUNOCTO6645344 **Dated:15/07/2019**

To.

M/s :Group Housing Palm Terrace Select by M/s Emaar MGF Land Ltd
Village Badshahpur, Sector-66, Gurgaon

Subject: Grant of consent to operate to M/s Group Housing Palm Terrace Select by M/s Emaar MGF Land Ltd.

Please refer to your application no. 6645344 received on dated 2019-06-27 in regional office Gurgaon North.With reference to your above application for consent to operate,M/s Group Housing Palm Terrace Select by M/s Emaar MGF Land Ltd is here by granted consent as per following specification/Terms and conditions.

Consent Under	BOTH
Period of consent	01/10/2019 - 30/09/2021
Industry Type	Building and construction project having waste water generation more than 100 KLD
Category	RED
Investment(In Lakh)	28830.0
Total Land Area(Sq. meter)	31019.0
Total Builtup Area(Sq. meter)	54242.0
Quantity of effluent	
1. Trade	0.0 KL/Day
2. Domestic	165.0 KL/Day
Number of outlets	1.0
Mode of discharge	
1. Domestic	STP
2. Trade	
Domestic Effluent Parameters	
1. BOD	30 mg/l
2. COD	250 mg/l
3. TSS	100 mg/l
Trade Effluent Parameters	
1. NA	
Number of stacks	1
Height of stack	
1. DG Stack	6 meters from roof
Emission parameters	

1. NA	
Product Details	
1. NA	Metric Tonnes/day
Capacity of boiler	
1. NA	Ton/hr
Type of Furnace	
1. NA	
Type of Fuel	
1. Diesel	1.240 KL/day
Raw Material Details	
NA	Metric Tonnes/Day

Regional Officer, Gurgaon North
Haryana State Pollution Control Board.

Terms and conditions

1. The applicants shall maintain good house keeping both within factory and in the premises. All hose pipelines values, storage tanks etc. shall be leak proof. In plant allowable pollutants levels, if specified by State Board should be met strictly.
2. The applicant/company shall comply with and carry out directive/orders issued by the Board in this consent order at all subsequent times without negligence of his /its part. The applicant/company shall be liable for such legal action against him as per provision of the law/act in case of violation of any order/directives. Issued at any time and or non compliance of the terms and conditions of his consent order.
3. The applicant shall make an application for grant of consent at least 90 days before the date of expiry of this consent.
4. Necessary fee as prescribed for obtaining renewal consent shall be paid by the applicant alongwith the consent application.
5. If due to any technological improvement or otherwise this Board is of opinion that all or any of the conditions referred to above required variation (including the change of any control equipment either in whole or in part) this Board shall after giving the applicant an opportunity of being heard vary all or such condition and there upon the applicant shall be bound to comply with the conditions so varied.
6. The industry shall provide adequate arrangement for fighting the accidental leakages, discharge of any pollutants gas/liquids from the vessels, mechanical equipment etc. which are likely to cause environment pollution.
7. The industry shall comply noise pollution (Regulation and control) Rules, 2000.
8. The industry shall comply all the direction/Rules/Instructions as may be issued by the MOEF/CPCB/HSPCB from time to time.
9. The industry shall ensure that various characteristics of the effluents remain within the tolerance limits as specified in EPA Standard and as amended from time to time and at no time the concentration of any characteristics should exceed these limits for discharge.
10. The industry would immediately submit the revised application to the Board in the event of any change in the raw material in process, mode of treatment/discharge of effluent. In case of change of process at any stage during the consent period, the industry shall submit fresh

consent application alongwith the consent to operate fee, if found due, which may be on any account and that shall be paid by the industry and the industry would immediately submit the consent application to the Board in the event of any change during the year in the raw material, quantity, quality of the effluent, mode of discharge, treatment facilities etc.
11. The officer/official of the Board shall reserve the right to access for the inspection of the industry in connection with the various process and the treatment facilities. The consent to operate is subject to review by the Board at any time.
12. Permissible limits for any pollutants mentioned in the consent to operate order should not exceed the concentration permitted in the effluent by the Board.
13. The industry shall pay the balance fee, in case it is found due from the industry at any time later on.
14. If the industry fails to adhere to any of the conditions of this consent to operate order, the consent to operate so granted shall automatically lapse.
15. If the industry is closed temporarily at its own, they shall inform the Board and obtain permission before restart of the unit.
16. The industry shall comply all the Directions/ Rules/Instructions issued from time to time by the Board.

Specific Conditions :

1. unit will run and maintain it's STP/ETP/APCM regularly and properly, will provide separate energy meter on their STP/ETP/APCM and maintain the Log Book for energy consumption of STP/ETP/APCM and chemicals used daily for the STP/ETP. 2. That the unit shall keep all the parameters within the prescribed limits and shall comply with all the Norms and Rules as prescribed in the Act 3.That the unit will adopt cleaner technology thereby reducing pollution load. 4. That the unit will provide inter locking arrangement of DG set with STP/ETP/APCM and shall have separate D.G. set to ensure regular and effective running of pollution control devices. 5. That the unit will not discharge any untreated effluent inside and outside its premises. 6.Unit will provide separate flow meter at Inlet/ Outlet of STP/ETP for which separate log book will be maintained if required. 7. That the unit will not add any air polluting process/ machinery and also not to add any process which increases the water pollution load. 8. That the unit will comply with all the provisions of Hazardous Waste Rules and submit return under HWM Rules on yearly basis. 9. That the CTO so granted shall become invalid in case of violation of any of the above / any law of the land. 10. Unit will apply for consent to operate for further period 90 days before expiry of this consent otherwise penalty will be imposed as per policy. 11. unit will submit compliance report of general & specific conditions mentioned in CTO alongwith fresh analysis report within 03 months. 12. The unit will apply for authorization under HWM rules, 2016

Kuldeep Singh Digitally signed by Kuldeep Singh Date: 2019.07.15 08:59:22 +05'30'

Regional Officer, Gurgaon North

Haryana State Pollution Control Board.